



# Australian and New Zealand Standard Research Classification (ANZSRC)

2008





# **Australian and New Zealand Standard Research Classification (ANZSRC)**

**2008**

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## PREFACE

The Australian and New Zealand Standard Research Classification (ANZSRC) has been developed for use in the collection, analysis and dissemination of research and experimental development (R&D) statistics in Australia and New Zealand.

The Australian Bureau of Statistics (ABS) and Statistics New Zealand (Statistics NZ) have jointly developed ANZSRC to serve as a standard research classification for both countries. It will improve the comparability of research and development statistics between the two countries and the rest of the world. For the ABS and Australian stakeholders, ANZSRC replaces the Australian Standard Research Classification (ASRC 1998) and for Statistics NZ and New Zealand stakeholders ANZSRC introduces a new framework to measure R&D activity.

The past decade has seen ongoing changes in the Australian and New Zealand R&D sectors in terms of the number and complexity of research projects undertaken, resource invested and personnel engaged. An up-to-date research classification is an essential response to reflect these changes and to satisfy the changing user requirements for R&D data.

In the development of the classification many academic and research professionals, government departments, research organisations, professional associations and peak industry bodies were consulted. We gratefully acknowledge the assistance provided by these individuals and organisations.

In particular, we would like to thank members of the Reference Group for providing advice and guidance to the ANZSRC development team; the Australian Research Council (ARC) for partially funding the project; and the New Zealand Ministry of Research, Science and Technology for providing considerable input and assistance to Statistics NZ.

We encourage use of the classification to improve the comparability and usefulness of research and development statistics across Australia and New Zealand.

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March 2008

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## ABBREVIATIONS

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ABS	Australian Bureau of Statistics
ANZSRC	Australian and New Zealand Standard Research Classification
ASRC	Australian Standard Research Classification
FOR	Fields of Research
OECD	Organisation for Economic Co-operation and Development
R&D	research and development
RFCD	research fields, courses and disciplines
SEO	socio-economic objective
Statistics NZ	Statistics New Zealand
TOA	Type of Activity



## ACKNOWLEDGEMENTS

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The development of this classification could not have proceeded without the contributions from members of a large number of organisations.

The ABS would like to gratefully acknowledge the assistance of the following organisations in the development of the ANZSRC:

Academy of Social Sciences in Australia  
Australian Academy of Science  
Australian Academy of the Humanities  
Australian Institute of Agricultural Science and Technology  
Australian Institute of Physics  
Australian Mathematics Society  
Australian Research Council  
Australian Resource Research Centre  
Australian Schools of Built Environment Deans  
Australian Society of Medical Researchers  
Bureau of Transport and Regional Economics  
Centre for the Study of Research Training and Impact  
Commonwealth Scientific and Industrial Research Organisation  
Computing Research and Education Association  
Council for the Humanities, Arts and Social Sciences  
Council of Australian Law Deans  
Defence Science and Technology Organisation  
Department of Agriculture, Fisheries and Forestry  
Department of Broadband, Communications and the Digital Economy  
Department of Education, Employment and Workplace Relations  
Department of Environment, Water, Heritage and the Arts  
Department of Health and Aging  
Department of Innovation, Industry, Science and Research  
Department of Resources, Energy and Tourism  
Department of the Treasury  
Engineers Australia  
Federation of Australian Scientific and Technological Societies  
Forum for European-Australian Science and Technology Co-operation  
Geological Society of Australia  
National Health and Medical Research Council  
Royal Australian Chemical Institute  
Universities Australia  
UNSW Social Policy Research Centre

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Statistics NZ would like to gratefully acknowledge the assistance of the following organisations in the development of the ANZSRC:

Association of Crown Research Institutes  
Department of Conservation  
Foundation for Research, Science and Technology  
Health Research Council  
Inland Revenue Department  
Ministry for the Environment  
Ministry of Culture and Heritage  
Ministry of Education  
Ministry of Social Development  
Ministry of Research, Science and Technology  
National Library of New Zealand  
New Zealand Institutional Repositories  
New Zealand Vice-Chancellors' Committee  
Royal Society of New Zealand  
Social Policy Evaluation and Research Committee  
Te Puni Kokiri  
Tertiary Education Commission  
University of Canterbury

# CHAPTER 1 INTRODUCTION

## OVERVIEW

The Australian and New Zealand Standard Research Classification (ANZSRC) is jointly produced by the Australian Bureau of Statistics (ABS) and Statistics New Zealand (Statistics NZ).

ANZSRC is the collective name for a set of three related classifications developed for use in the measurement and analysis of research and experimental development (R&D) undertaken in Australia and New Zealand. The three constituent classifications included in the ANZSRC are: Type of Activity (TOA), Fields of Research (FOR), and Socio-economic Objective (SEO).

ANZSRC replaces the *Australian Standard Research Classification* (ASRC 1998) and introduces a new framework for measuring research and development activity in New Zealand.

The use of the three constituent classifications in the ANZSRC ensures that R&D statistics collected are useful to governments, educational institutions, international organisations, scientific, professional or business organisations, business enterprises, community groups and private individuals in Australia and New Zealand.

The development of the ANZSRC has been undertaken by the ABS and Statistics NZ in co-operation with major academic and research organisations and users of research information in Australia and New Zealand. This consultative process has sought to ensure that the ANZSRC is widely accepted and used as the national standard classification in Australia and in New Zealand, not only in the compilation of R&D statistics but also in the study of research in these countries generally.

The introductory chapter provides a background to the development of the classification; an explanation of the conceptual basis of the ANZSRC; the definition and scope of R&D; and an outline of what constitutes a unit of R&D for data collection and reporting purposes. Subsequent chapters of this publication contain details of the structure and content of the three classifications. A summary correspondence table (concordance) between the ANZSRC and the ASRC 1998 is included in Chapter 5.

## BACKGROUND

The ABS and Statistics NZ have a policy of working towards developing harmonised statistical classifications in support of the *Australia New Zealand Closer Economic Relations Trade Agreement 1983*.

The benefits of developing a joint research classification include the ability to produce an up-to-date, relevant and conceptually sound classification, and the improved capacity for analysis of trans-Tasman research sector data.

For Australian users, a high level of comparability has been maintained with ASRC 1998 in an effort to minimise disruption to data collection. The development of ANZSRC has provided scope to improve and strengthen the conceptual basis and framework that existed with ASRC 1998. For example, the ANZSRC has improved the treatment of interdisciplinary R&D by rigorously applying a uniform concept across the classification.

In addition, ANZSRC preserves comparability with much of the previous data in the R&D series, while possessing a framework which enables comparisons with other classifications used nationally and internationally.

## CHAPTER 1 INTRODUCTION *continued*

### *BACKGROUND continued*

For New Zealand users, this is a new standard framework for measuring research and a joint development has been possible because Australia and New Zealand have considerable commonalities in R&D activities.

To support international comparisons, it is important for the classifications to relate to those used in other countries, particularly those countries whose stages of social and economic development are similar to that of Australia and New Zealand. Therefore, the definition, scope and classification of R&D activities contained in ANZSRC largely follow the guidelines prescribed in the Organisation for Economic Co-operation and Development (OECD) *Proposed Standard Practice for Surveys on Research and Experimental Development, "Frascati Manual", Sixth Revision 2002*.

The development of ANZSRC commenced at the end of 2006 as a joint project between the ABS and Statistics NZ and was completed in early 2008.

### CLASSIFICATIONS INCLUDED IN THE PUBLICATION

The three classifications in the ANZSRC:

- Type of Activity (TOA);
- Fields of Research (FOR); and
- Socio-economic Objective (SEO);

are used in official statistics to analyse the nature of R&D and in conjunction with industrial and institutional sector classifications to produce a set of official statistics that support a variety of user interests.

### *TOA Classification*

This classification allows R&D activity to be categorised according to the type of research effort, namely, pure basic research, strategic basic research, applied research and experimental development.

Definitions and guidelines for classifying R&D by TOA are covered in Chapter 2.

### *FOR Classification*

This classification allows R&D activity to be categorised according to the field of research. In this respect, it is the *methodology* used in the R&D that is being considered.

The categories in the classification include major fields of research investigated by national research institutions and organisations, and emerging areas of study.

Explanatory notes, definitions and guidelines for classifying data and the full classification are covered in Chapter 3.

### *SEO Classification*

This classification allows R&D to be categorised according to the *purpose* or *outcome* of the R&D as perceived by the data provider (researcher). It consists of discrete economic, social, technological or scientific domains for identifying the principal purposes of the R&D. The attributes applied to the design of the SEO classification comprise a combination of processes, products, health, education and other social and environmental aspects of particular interest.

Explanatory notes, definitions and guidelines for classifying R&D by SEO and the full classification are covered in Chapter 4.

### STRUCTURE OF ANZSRC

The FOR and SEO classifications follow a hierarchical structure.

## CHAPTER 1 INTRODUCTION *continued*

### STRUCTURE OF ANZSRC *continued*

The FOR has three hierarchical levels, namely Divisions (at the broadest level), Groups and Fields (at the finest level). The Division represents a broad subject area or research discipline while groups and fields within represent increasingly detailed dissections of these categories. Divisions, Groups and Fields are assigned unique 2-digit, 4-digit, and 6-digit codes respectively. The FOR classification has 22 Divisions, 157 Groups and 1238 Fields.

The hierarchical structure of the FOR is as illustrated below:

Level	Example
Division	02 Physical Sciences
Group	0206 Quantum Physics
Field	020603 Quantum Information, Computation and Communication

The SEO is a four level hierarchical classification with Sector at the broadest level. While the Sector forms part of the hierarchical structure of the SEO, it is however used only for the grouping of divisions and for publication of R&D data, not for data collection. The Sector is identified by a letter. Divisions, Groups and Objectives form the next three hierarchical levels in the SEO in decreasing order. Divisions, Groups, and Objectives are assigned unique 2-digit, 4-digit and 6-digit codes respectively. The SEO classification has 5 Sectors, 17 Divisions, 119 Groups and 847 Objectives.

The hierarchical structure of the SEO is as illustrated below:

Level	Example
Sector	B: Economic Development
Division	86 Manufacturing
Group	8607 Agricultural Chemicals
Objective	860702 Chemical Fertilisers

### USE OF ANZSRC

ANZSRC provides a three way matrix of classification. Each R&D activity can be classified by Type of Activity, Fields of Research and Socio-economic Objective.

ANZSRC provides a considerable degree of flexibility in meeting the needs of a wide variety of users. The hierarchical structure of both the FOR and SEO classifications enables them to be applied to particular purposes at various levels. ANZSRC also helps classify multi-disciplinary work, where several disparate areas of the FOR are usually brought together to address one area, or closely related areas of the SEO.

The complexity of issues addressed by R&D is such that questions of public policy often arise in a manner which cannot be readily seen in advance. The detail available in both the FOR and SEO classifications would be sufficient to facilitate the provision of statistics that can be used in a variety of contexts. For example, areas of key technological significance could generally be assessed using an aggregate of appropriate FOR groups or fields. The use of ANZSRC for R&D surveys minimises the need for separate one-off R&D surveys aimed at narrow areas.

### DEFINITION OF R&D

Research and Development is defined according to the OECD standard as comprising creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications.

An R&D activity is characterised by originality. It has investigation as a primary objective, the outcome of which is new knowledge, with or without a specific practical application, or new or improved materials, products, devices, processes or services. R&D ends when work is no longer primarily investigative.

### SCOPE OF R&D

As indicated in the Frascati Manual and as experience has shown, there are difficulties in delineating the point which clearly separates the culmination of R&D investigative work and the beginning of the implementation phase of the innovations or recommendations resulting from R&D. Errors at this point are particularly significant because, although R&D programmes require large outlays of resources, the costs of implementing innovations or recommendations resulting from R&D may also be as high, or higher, in many instances.

There is also a wide range of scientific and related activities that are not R&D, but that are closely linked to R&D in terms of organisation, resource allocation, institutional affiliation and the use or flow of information. However, activities conducted solely or primarily for the purposes of R&D support are included in R&D.

The activities which do not have clear boundaries with R&D are listed below.

#### *(a) Education and training of personnel and students*

Postgraduate research, including supervision of the research, is considered to be R&D. The development of new teaching methods is also regarded as R&D. However, teaching and training students, using established methods and subject knowledge, is excluded.

#### *(b) Specialised scientific and technical information services*

Specialised scientific and technical information services which are undertaken solely in support of R&D are regarded as R&D. Examples of these are scientific data collection, coding, recording, classification, dissemination, translation, analysis and bibliographic services.

These specialised services are excluded if they are undertaken independently and not solely in support of R&D.

#### *(c) General purpose or routine data collection*

Collecting data in support of R&D work is included in R&D.

However, data collection of a general nature is excluded. This is normally carried out by government agencies to record natural, biological, economic or social phenomena of general public or government interest. Examples are national population censuses, surveys of unemployment, topographical mapping and routine geographical or environmental surveys.

### *(d) Maintenance of national and international standards*

Routine testing and analysis of materials, components, products, processes, soils, atmospheres, etc. for standard compliance is excluded from R&D.

### *(e) Feasibility studies*

Feasibility studies undertaken in support of R&D are included. However, a feasibility study that involves gathering information about existing conditions, for use in deciding whether or not to implement a project, is excluded, e.g. a study to determine the viability of a petrochemical complex in a particular location.

### *(f) Specialised medical care*

R&D includes the development of new treatments and procedures, including such developments in conjunction with advanced medical care and examinations usually carried out by university hospitals.

However, routine investigations or normal application of specialised medical knowledge, techniques or equipment are excluded from R&D. Examples of these are pathology, forensic and post-mortem procedures.

### *(g) Clinical trials*

Phase 1, 2 and 3 clinical trials are included in R&D. Phase 4 clinical trials are excluded from R&D, unless they bring about further scientific or technological advance.

### *(h) Patent and licence work*

Patent work connected directly with R&D projects is included in R&D. However, commercial, administrative and legal work associated with patenting, copywriting and licensing, is excluded.

### *(i) Policy related studies*

The boundary between certain policy related studies as described in the Frascati Manual and R&D is complex. In the Frascati Manual, policy related studies cover activities such as the 'analysis and assessment of existing programmes, continued analysis and monitoring of external phenomena (e.g. defence and security analysis), legislative inquiry concerned with general government departmental policy or operations'. Rigour is required to separate policy related studies that are not R&D from true R&D policy work.

Studies to determine the effects of a specific national policy to a particular economic or social condition or social group may have elements of R&D. Routine management studies or efficiency studies are excluded.

### *(j) Routine software development*

Software development is an integral part of many projects which in themselves may have no element of R&D. The software development component of such projects, however, may be classified as R&D if it leads to an advance in the area of computer software.

For a software development to be considered as R&D, its completion must be dependent on a scientific or technological advance, and the aim of the project must be the systematic resolution of a scientific and/or technological uncertainty.

## CHAPTER 1 INTRODUCTION *continued*

### *SCOPE OF R&D continued*

The following are examples of software development which are considered to be R&D:

- Development of internet technology
- Research into methods of designing, developing, deploying or maintaining software
- R&D on software tools or technologies in specialised areas of computing (e.g. image processing, artificial intelligence, character recognition)
- R&D producing new theorems and algorithms in the field of theoretical computer science

The following are examples of software development which are not considered to be R&D:

- Routine computer and software maintenance
- Business application software and information system development using known methods and existing software
- Adding user functionality to application languages
- Adaptation of or support for existing software

#### *(k) Marketing and market studies*

Market research and opinion polls are excluded from R&D.

#### *(l) Mineral exploration*

The development of new or vastly improved methods of data acquisition, processing and interpretation of data is included as R&D. Surveying undertaken as an integral part of an R&D project to observe geological phenomena is also regarded as R&D. However, the search for minerals using existing methods is excluded from R&D.

#### *(m) Prototypes and pilot plants*

The design, construction and testing of prototypes generally falls within the scope of R&D. However, trial production and copying of prototypes are excluded from R&D.

The construction and operation of pilot plants is part of R&D provided that these are used to obtain experience or new data for evaluating hypotheses.

Pilot plants are excluded from R&D as soon as the experimental phase is over or as soon as they are used as normal commercial production units, even if they continue to be described as 'pilot plants'.

If a pilot plant is used for combined operations, the component used for R&D is to be estimated.

#### *(n) Other activities*

All other activities that are ancillary or consequential to R&D are excluded. Examples of these are interpretative commentary using existing data, forecasting, operations research as contributing to decision making and the use of standard techniques in applied psychology to classify or diagnose human characteristics.

### *R&D UNIT TO BE CLASSIFIED*

There are some inherent difficulties in formulating a definition of what constitutes a unit of R&D, due to the lack of uniformity in organisational structures and considerable variation in the way organisations allocate resources to R&D activities. From a statistical viewpoint it is desirable that R&D expenditure be reported in the smallest cluster that



## CHAPTER 1 INTRODUCTION *continued*

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### *R&D UNIT TO BE CLASSIFIED continued*

can be classified to a single TOA and FOR, which for the purposes of this classification is defined to be an R&D unit. The extent to which it is not practicable to provide this detail will reduce the validity and usefulness of the classification, and the resulting R&D statistics.

The most common real world references to R&D activities are *Research Program* and *Research Project*. These focal units seldom approximate the idealised R&D unit as outlined above, although they could be regarded as an aggregation of these units.

Some Research Projects, especially in the social sciences, require a multi-disciplinary approach in order to achieve a purpose. There are also Research Projects that consist of sub-projects. For example, the Commonwealth Scientific and Industrial Research Organisation in Australia has indicated that a Research Project often consists of a set of sub-projects (staff) with a common purpose and one person designated as the project leader. Such projects lend themselves more readily to the concept of being comprised of multiple R&D units, demonstrating that the accurate classification of these projects requires the use of multiple codes with a weighting to indicate the relative significance of the various types of activity, fields of research and socio-economic objectives within the Research Project.

### *UPDATES TO ANZSRC*

An important consideration when developing a statistical classification is the need to build in sufficient robustness to allow for long-term usage. This robustness facilitates meaningful time series analysis of data assigned to that classification. However, there is also a need for the classification to remain contemporary to capture changes happening in the R&D sector and to provide data relevant to users' needs.

In order to achieve a balance between these two competing objectives, the ABS and Statistics NZ intend to undertake minor revisions every five years and a major revision every ten years.

### *ANZSRC PRODUCTS AND SERVICES*

Correspondences (or concordances) between ANZSRC and ASRC 1998 are provided in Chapter 5. Other correspondences between ANZSRC FOR and OECD's Fields of Science, between ANZSRC SEO and the Australian and New Zealand Standard Industrial Classification, and between ANZSRC SEO and the Central Product Classification are to be made available to users from the ABS web site [www.abs.gov.au](http://www.abs.gov.au)

## CHAPTER 1 INTRODUCTION *continued*

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### *FURTHER INFORMATION*

#### *Australia*

For more information about the ANZSRC, contact ABS, PO Box 10, Belconnen, ACT 2616 or contact ABS National Information and Referral Service:

Phone: 1300 135 070  
Email: [client.services@abs.gov.au](mailto:client.services@abs.gov.au)  
ABS web site: [www.abs.gov.au](http://www.abs.gov.au)

#### *New Zealand*

For more information about the ANZSRC, contact Statistics NZ, PO Box 2922, Wellington or contact Statistics NZ's Information Centre:

Phone: 0508 525 525 (toll free in New Zealand)  
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Statistics NZ web site: [www.stats.govt.nz](http://www.stats.govt.nz)

## CHAPTER 2 TYPE OF ACTIVITY

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Four types of activity applicable to R&D are recognised in this classification:

- Pure basic research
- Strategic basic research
- Applied research
- Experimental development

*Pure basic research* is experimental and theoretical work undertaken to acquire new knowledge without looking for long term benefits other than the advancement of knowledge.

*Strategic basic research* is experimental and theoretical work undertaken to acquire new knowledge directed into specified broad areas in the expectation of practical discoveries. It provides the broad base of knowledge necessary for the solution of recognised practical problems.

*Applied research* is original work undertaken primarily to acquire new knowledge with a specific application in view. It is undertaken either to determine possible uses for the findings of basic research or to determine new ways of achieving some specific and predetermined objectives.

*Experimental development* is systematic work, using existing knowledge gained from research or practical experience, which is directed to producing new materials, products, devices, policies, behaviours or outlooks; to installing new processes, systems and services; or to improving substantially those already produced or installed.

### GUIDELINES FOR CLASSIFYING R&D BY TYPE OF ACTIVITY

Where possible, a research project or research program should be allocated to a single type of activity. If the project or program is large and involves multiple types of activity, then each relevant activity category should be attributed a proportion of resources relative to the project's or research program's total R&D expenditure.

## CHAPTER 3 FIELDS OF RESEARCH

### NATURE AND PURPOSE OF THE FOR CLASSIFICATION

The ANZSRC FOR allows R&D activity to be categorised according to the *methodology* used in the R&D, rather than the activity of the unit performing the R&D or the purpose of the R&D.

The categories in the classification include major fields and related sub-fields of research and emerging areas of study investigated by businesses, universities, tertiary institutions, national research institutions and other organisations.

This classification allows the categorisation of fields of research activity within Australia and New Zealand.

### STRUCTURE OF THE FOR CLASSIFICATION

The FOR is a hierarchical classification with three levels, namely Divisions (2 digits), Groups (4 digits) and Fields (6 digits). Each level is identified by a unique number.

Each Division is based on a broad discipline. Groups within each Division are those which share the same broad methodology, techniques and/or perspective as others in the Division. Each Group is a collection of related Fields of research. Groups and Fields of research are categorised to the Divisions sharing the same methodology rather than the Division they support.

The hierarchical structure of the FOR is illustrated below:

Level	Example
Division	09 Engineering
Group	0901 Aerospace Engineering
Field	090101 Aerodynamics (excl. Hypersonic Aerodynamics)

### PRINCIPLES FOR RECOGNISING FIELDS OF RESEARCH

The conceptual framework adopted for the development of the FOR uses R&D activities according to the field in which research is undertaken and based on the processes and techniques used in the R&D.

In the interests of international statistical comparisons, the FOR classification, as far as is practicable, aligns at the two digit Division level with the OECD's *Fields of Science 2007* classification.

This development started with the ASRC 1998, and identified research categories that reported very little funding in the past three ABS R&D surveys were either merged with other categories or deleted, but only in consultation with experts in the respective fields. Alternatively, Divisions or Groups which are highly active, as judged by experts and evidenced in ABS surveys, and able to be split further have been disaggregated into new Groups and Fields allowing for greater detail of data to be collected. Additional fields of research identified by experts as emerging and significant have been added.

In parallel, research categories significant in New Zealand assembled by Statistics NZ from consultations with their stakeholders have been incorporated.

### GUIDELINES FOR CLASSIFYING BY FIELDS OF RESEARCH

Consistent use of the following general procedures should ensure consistent and successful use of the classification among users.

## CHAPTER 3 FIELDS OF RESEARCH *continued*

### GUIDELINES FOR CLASSIFYING BY FIELDS OF RESEARCH *continued*

A research project or research program is to be allocated to a FOR field in a hierarchical manner. This is achieved by:

- first determining the division in which the largest component of the research project or research program is being performed; then
- determining the most relevant group within that division; and then
- determining the most relevant field within that group.

Many R&D projects will be a homogeneous body of work in a specific field. These are more straightforward to categorise. However, the emergence of new interdisciplinary and multidisciplinary fields of research is a feature of the modern R&D environment, both within Australia and New Zealand and elsewhere in the world. The categorisation of such fields within a hierarchical and exclusive classification system can pose difficulties for users of the FOR. The use of multiple fields to classify a research project ensures that this research is accommodated within the classification structure.

If the project or program is sufficiently large or complex (in terms of research areas) then multiple fields should be selected and attributed with a proportion of resources relative to the project's or program's total R&D expenditure. If the disaggregation is difficult, consideration of relative importance may indicate a primary field only (whether a specific or more general subject focus).

Where a defined field cannot be identified within a group for a research project or research program, the 'not elsewhere classified' category at the field level is to be used.

### FOR DIVISION CODES AND TITLES

- |    |  |
|----|--|
| 01 | Mathematical Sciences                      |
| 02 | Physical Sciences                          |
| 03 | Chemical Sciences                          |
| 04 | Earth Sciences                             |
| 05 | Environmental Sciences                     |
| 06 | Biological Sciences                        |
| 07 | Agricultural and Veterinary Sciences       |
| 08 | Information and Computing Sciences         |
| 09 | Engineering                                |
| 10 | Technology                                 |
| 11 | Medical and Health Sciences                |
| 12 | Built Environment and Design               |
| 13 | Education                                  |
| 14 | Economics                                  |
| 15 | Commerce, Management, Tourism and Services |
| 16 | Studies in Human Society                   |
| 17 | Psychology and Cognitive Sciences          |
| 18 | Law and Legal Studies                      |
| 19 | Studies in Creative Arts and Writing       |
| 20 | Language, Communication and Culture        |
| 21 | History and Archaeology                    |
| 22 | Philosophy and Religious Studies           |

At times it can be useful to view groupings of fields of research from alternative perspectives, which do not align with the FOR division structure.

## CHAPTER 3 FIELDS OF RESEARCH *continued*

### ALTERNATIVE GROUPINGS OF FOR FIELDS

Besides the primary structure, alternative groupings are provided to aid the understanding of research from different cultural perspectives which are unique to Australia and New Zealand.

The following alternative groupings of selected FOR fields are provided here:

- Aboriginal and Torres Strait Islander Studies
- Māori Studies
- Pacific Peoples Studies

### DEFINITION OF PACIFIC PEOPLES

*Note:* "Pacific peoples" are those people who identify with or feel they belong to one or more Pacific ethnicities. The term applies to a person who has emigrated from one of the lesser islands of the Pacific to Australia or New Zealand, or one of their descendants born in Australia or New Zealand. While the majority of these people originate from Polynesia, others come from Micronesia and Melanesia. This definition excludes Aboriginal and Torres Strait Islanders, and New Zealand Māori.

### ABORIGINAL AND TORRES STRAIT ISLANDER STUDIES

- 050201 Aboriginal and Torres Strait Islander Environmental Knowledge
- 080601 Aboriginal and Torres Strait Islander Information and Knowledge Systems
- 080701 Aboriginal and Torres Strait Islander Knowledge Management
- 110403 Traditional Aboriginal and Torres Strait Islander Medicine and Treatments
- 111701 Aboriginal and Torres Strait Islander Health
- 130301 Aboriginal and Torres Strait Islander Education
- 160501 Aboriginal and Torres Strait Islander Policy
- 169902 Studies of Aboriginal and Torres Strait Islander Society
- 180101 Aboriginal and Torres Strait Islander Law
- 190401 Aboriginal and Torres Strait Islander Performing Arts
- 200201 Aboriginal and Torres Strait Islander Cultural Studies
- 200319 Aboriginal and Torres Strait Islander Languages
- 200501 Aboriginal and Torres Strait Islander Literature
- 210101 Aboriginal and Torres Strait Islander Archaeology
- 210301 Aboriginal and Torres Strait Islander History

## CHAPTER 3 FIELDS OF RESEARCH *continued*

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### MĀORI STUDIES

- 050208 Māori Environmental Knowledge
- 080613 Māori Information and Knowledge Systems
- 110405 Traditional Māori Medicine and Treatments
- 111713 Māori Health
- 130104 Kura Kaupapa Māori (Māori Primary Education)
- 130107 Te Whāriki (Māori Early Childhood Education)
- 130206 Kōhanga Reo (Māori Language Curriculum and Pedagogy)
- 130310 Māori Education (excl. Early Childhood and Primary Education)
- 169904 Studies of Māori Society
- 170108 Kaupapa Māori Psychology
- 180201 Nga Tikanga Māori (Māori Customary Law)
- 180202 Te Māori Whakahaere Rauemi (Māori Resource Law)
- 180203 Te Tiriti o Waitangi (The Treaty of Waitangi)
- 180204 Te Ture Whenua (Māori Land Law)
- 180299 Māori Law not elsewhere classified
- 190405 Māori Performing Arts
- 200207 Māori Cultural Studies
- 200321 Te Reo Māori (Māori Language)
- 200504 Māori Literature
- 210109 Māori Archaeology
- 210309 Māori History

### PACIFIC PEOPLES STUDIES

- 050210 Pacific Peoples Environmental Knowledge
- 080614 Pacific Peoples Information and Knowledge Systems
- 111715 Pacific Peoples Health
- 130311 Pacific Peoples Education
- 169905 Studies of Pacific Peoples' Societies
- 190410 Pacific Peoples Performing Arts
- 200210 Pacific Cultural Studies
- 200320 Pacific Languages
- 200507 Pacific Literature
- 210106 Archaeology of New Guinea and Pacific Islands (excl. New Zealand)
- 210313 Pacific History (excl. New Zealand and Māori)

## FIELDS OF RESEARCH

### DIVISION 01 MATHEMATICAL SCIENCES

This division covers mathematics, statistics, and mathematical aspects of the physical sciences.

This division contains six groups:

- 0101 Pure Mathematics
- 0102 Applied Mathematics
- 0103 Numerical and Computational Mathematics
- 0104 Statistics
- 0105 Mathematical Physics
- 0199 Other Mathematical Sciences

#### Exclusions:

- a) Statistical physics is included in Group 0203 Classical Physics.
- b) Statistical mechanics associated with chemical processes is included in 0307 Theoretical and Computational Chemistry.
- c) Mathematics associated with computer science is included in Division 08 Information and Computing Sciences.
- d) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- e) Geodesy is included in Group 0909 Geomatic Engineering.
- f) Applications of control theory to engineering are included in Groups 0906 Electrical and Electronic Engineering and 0913 Mechanical Engineering.
- g) Applications of statistical techniques are included in the appropriate division, e.g. the statistical analysis of correlations between human health and environmental factors is included in Division 11 Medical and Health Sciences.
- h) Mathematics and statistics applied in economics are included in Division 14 Economics.
- i) Criminology is included in Group 1602 Criminology.
- j) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

### GROUP 0101 PURE MATHEMATICS

This group covers pure mathematics.

This group has thirteen fields:

- 010101 Algebra and Number Theory
- 010102 Algebraic and Differential Geometry
- 010103 Category Theory, K Theory, Homological Algebra
- 010104 Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)
- 010105 Group Theory and Generalisations
- 010106 Lie Groups, Harmonic and Fourier Analysis
- 010107 Mathematical Logic, Set Theory, Lattices and Universal Algebra
- 010108 Operator Algebras and Functional Analysis
- 010109 Ordinary Differential Equations, Difference Equations and Dynamical Systems
- 010110 Partial Differential Equations
- 010111 Real and Complex Functions (incl. Several Variables)
- 010112 Topology
- 010199 Pure Mathematics not elsewhere classified

#### Exclusions:

- a) Physical combinatorics is included in Group 0105 Mathematical Physics.
- b) Mathematics associated with computer science is included in Division 08 Information and Computing Sciences.



## FIELDS OF RESEARCH *continued*

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### DIVISION 01 MATHEMATICAL SCIENCES *continued*

#### GROUP 0102 APPLIED MATHEMATICS

This group covers applied mathematics.

This group has eight fields:

- 010201 Approximation Theory and Asymptotic Methods
- 010202 Biological Mathematics
- 010203 Calculus of Variations, Systems Theory and Control Theory
- 010204 Dynamical Systems in Applications
- 010205 Financial Mathematics
- 010206 Operations Research
- 010207 Theoretical and Applied Mechanics
- 010299 Applied Mathematics not elsewhere classified

#### Exclusions:

- a) Mathematical aspects of physics are included in Group 0105 Mathematical Physics.
- b) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- c) Geodesy is included in Group 0909 Geomatic Engineering.
- d) Applications of control theory to engineering are included in Groups 0906 Electrical and Electronic Engineering and 0913 Mechanical Engineering.
- e) Mathematics applied in economics is included in Division 14 Economics.

#### GROUP 0103 NUMERICAL AND COMPUTATIONAL MATHEMATICS

This group covers numerical and computational mathematics.

This group has four fields:

- 010301 Numerical Analysis
- 010302 Numerical Solution of Differential and Integral Equations
- 010303 Optimisation
- 010399 Numerical and Computational Mathematics not elsewhere classified

#### Exclusions:

- a) Computational analysis and mathematical software are included in Group 0802 Computation Theory and Mathematics.

**DIVISION 01 MATHEMATICAL SCIENCES** *continued*

**GROUP 0104 STATISTICS**

This group covers statistics. It includes the development of statistical techniques.

This group has seven fields:

- 010401 Applied Statistics
- 010402 Biostatistics
- 010403 Forensic Statistics
- 010404 Probability Theory
- 010405 Statistical Theory
- 010406 Stochastic Analysis and Modelling
- 010499 Statistics not elsewhere classified

**Exclusions:**

- a) Statistical mechanics is included in Group 0105 Mathematical Physics.
- b) Statistical physics is included in Group 0203 Classical Physics.
- c) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- d) Applications of statistical techniques are included in the appropriate division, e.g. the statistical analysis of correlations between human health and environmental factors is included in Division 11 Medical and Health Sciences.
- e) Econometrics, economic time series analysis and fields are included in Division 14 Economics.
- f) Criminology is included in Group 1602 Criminology.

**GROUP 0105 MATHEMATICAL PHYSICS**

This group covers the mathematical aspects of physics.

This group has seven fields:

- 010501 Algebraic Structures in Mathematical Physics
- 010502 Integrable Systems (Classical and Quantum)
- 010503 Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory
- 010504 Mathematical Aspects of General Relativity
- 010505 Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory
- 010506 Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter
- 010599 Mathematical Physics not elsewhere classified

**Exclusions:**

- a) Combinatorics other than physical combinatorics is included in Group 0101 Pure Mathematics.
- b) Development of statistical techniques is included in Group 0104 Statistics.
- c) Statistical physics is included in Group 0203 Classical Physics.
- d) Statistical mechanics associated with chemical processes is included in 0307 Theoretical and Computational Chemistry.

## FIELDS OF RESEARCH *continued*

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### DIVISION 01 MATHEMATICAL SCIENCES *continued*

#### GROUP 0199 OTHER MATHEMATICAL SCIENCES

This group covers any mathematical sciences not elsewhere classified.

This group has one field:

019999 Mathematical Sciences not elsewhere classified

#### **Exclusions:**

- a) Statistical physics is included in Group 0203 Classical Physics.
- b) Statistical mechanics associated with chemical processes is included in 0307 Theoretical and Computational Chemistry.
- c) Mathematics associated with computer science is included in Division 08 Information and Computing Sciences.
- d) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- e) Geodesy is included in Group 0909 Geomatic Engineering.
- f) Applications of control theory to engineering are included in Groups 0906 Electrical and Electronic Engineering and 0913 Mechanical Engineering.
- g) Applications of statistical techniques are included in the appropriate division, e.g. the statistical analysis of correlations between human health and environmental factors is included in Division 11 Medical and Health Sciences.
- h) Mathematics and statistics applied in economics are included in Division 14 Economics.
- i) Criminology is included in Group 1602 Criminology.
- j) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## **DIVISION 02 PHYSICAL SCIENCES**

This division covers the physical sciences. It includes biological physics (other than human biophysics), medical physics and synchrotron and accelerator technologies.

This division has seven groups:

- 0201 Astronomical and Space Sciences
- 0202 Atomic, Molecular, Nuclear, Particle and Plasma Physics
- 0203 Classical Physics
- 0204 Condensed Matter Physics
- 0205 Optical Physics
- 0206 Quantum Physics
- 0299 Other Physical Sciences

### **Exclusions:**

- a) Mathematical aspects of physics are included in Group 0105 Mathematical Physics.
- b) Optical properties of materials are included in Group 0303 Macromolecular and Materials Chemistry.
- c) Tropospheric and stratospheric physics are included in Group 0401 Atmospheric Sciences.
- d) Extraterrestrial geology is included in Group 0403 Geology.
- e) Geophysics is included in Group 0404 Geophysics.
- f) Soil physics is included in Group 0503 Soil Sciences.
- g) Engineering aspects of the physical sciences are included in Division 09 Engineering.
- h) Technological aspects of the physical sciences are included in Division 10 Technology.
- i) Human biophysics is included in Group 1116 Medical Physiology.
- j) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## **GROUP 0201 ASTRONOMICAL AND SPACE SCIENCES**

This group covers astronomical sciences, including cosmology and space sciences.

This group has eleven fields:

- 020101 Astrobiology
- 020102 Astronomical and Space Instrumentation
- 020103 Cosmology and Extragalactic Astronomy
- 020104 Galactic Astronomy
- 020105 General Relativity and Gravitational Waves
- 020106 High Energy Astrophysics; Cosmic Rays
- 020107 Mesospheric, Ionospheric and Magnetospheric Physics
- 020108 Planetary Science (excl. Extraterrestrial Geology)
- 020109 Space and Solar Physics
- 020110 Stellar Astronomy and Planetary Systems
- 020199 Astronomical and Space Sciences not elsewhere classified

### **Exclusions:**

- a) String theory is included in Group 0206 Quantum Physics.
- b) Tropospheric and stratospheric physics are included in Group 0401 Atmospheric Sciences.
- c) Extraterrestrial geology is included in Group 0403 Geology.
- d) Satellite and space vehicle design and testing is included in Group 0901 Aerospace Engineering.
- e) Remote sensing is included in Group 0909 Geomatic Engineering.
- f) Communications technologies using satellites are included in Group 1005 Communications Technologies.

## FIELDS OF RESEARCH *continued*

### DIVISION 02 PHYSICAL SCIENCES *continued*

#### GROUP 0202 ATOMIC, MOLECULAR, NUCLEAR, PARTICLE AND PLASMA PHYSICS

This group covers atomic, molecular, nuclear, particle and plasma physics.

This group has five fields:

- 020201 Atomic and Molecular Physics
- 020202 Nuclear Physics
- 020203 Particle Physics
- 020204 Plasma Physics; Fusion Plasmas; Electrical Discharges
- 020299 Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified

#### Exclusions:

- a) Atom optics is included in Group 0206 Quantum Physics.

#### GROUP 0203 CLASSICAL PHYSICS

This group covers classical physics.

This group has five fields:

- 020301 Acoustics and Acoustical Devices; Waves
- 020302 Electrostatics and Electrodynamics
- 020303 Fluid Physics
- 020304 Thermodynamics and Statistical Physics
- 020399 Classical Physics not elsewhere classified

#### Exclusions:

- a) Mathematical aspects of classical physics are included in Group 0105 Mathematical Physics.
- b) Classical optics is included in Group 0205 Optical Physics.

#### GROUP 0204 CONDENSED MATTER PHYSICS

This group covers condensed matter physics.

This group has seven fields:

- 020401 Condensed Matter Characterisation Technique Development
- 020402 Condensed Matter Imaging
- 020403 Condensed Matter Modelling and Density Functional Theory
- 020404 Electronic and Magnetic Properties of Condensed Matter; Superconductivity
- 020405 Soft Condensed Matter
- 020406 Surfaces and Structural Properties of Condensed Matter
- 020499 Condensed Matter Physics not elsewhere classified

#### Exclusions:

- a) Other material sciences are included in Groups 0302 Inorganic Chemistry, 0303 Macromolecular and Materials Chemistry, 0903 Biomedical Engineering, 0912 Materials Engineering and 0914 Resources Engineering and Extractive Metallurgy.
- b) Nanotechnology and nanoscale characterisation is included in Group 1007 Nanotechnology.

**DIVISION 02 PHYSICAL SCIENCES** *continued*

**GROUP 0205 OPTICAL PHYSICS**

This group covers optical physics.

This group has five fields:

- 020501 Classical and Physical Optics
- 020502 Lasers and Quantum Electronics
- 020503 Nonlinear Optics and Spectroscopy
- 020504 Photonics, Optoelectronics and Optical Communications
- 020599 Optical Physics not elsewhere classified

**Exclusions:**

- a) Quantum optics and atom optics are included in Group 0206 Quantum Physics.
- b) Optical properties of materials are included in Group 0303 Macromolecular and Materials Chemistry.
- c) Photonic and optical communications systems are included in Group 1005 Communications Technologies.
- d) Nanophotonics is included in Group 1007 Nanotechnology.

**GROUP 0206 QUANTUM PHYSICS**

This group covers quantum physics, including quantum information and computation, quantum optics and atom optics.

This group has five fields:

- 020601 Degenerate Quantum Gases and Atom Optics
- 020602 Field Theory and String Theory
- 020603 Quantum Information, Computation and Communication
- 020604 Quantum Optics
- 020699 Quantum Physics not elsewhere classified

**Exclusions:**

- a) Mathematical aspects of quantum physics are included in Group 0105 Mathematical Physics.
- b) Quantum electronics is included in Group 0205 Optical Physics.
- c) Communications technologies are included in Group 1005 Communications Technologies.

**DIVISION 02 PHYSICAL SCIENCES** *continued*

**GROUP 0299 OTHER PHYSICAL SCIENCES**

This group covers any physical sciences that are not elsewhere classified.

It includes:

- biological physics (other than human biophysics);
- complex physical systems;
- medical physics;
- synchrotron and accelerator technologies; and
- instruments and techniques used in physics research.

This group has five fields:

029901 Biological Physics

029902 Complex Physical Systems

029903 Medical Physics

029904 Synchrotrons; Accelerators; Instruments and Techniques

029999 Physical Sciences not elsewhere classified

**Exclusions:**

- a) Mathematical aspects of physics are included in Group 0105 Mathematical Physics.
- b) Optical properties of materials are included in Group 0303 Macromolecular and Materials Chemistry.
- c) Tropospheric and stratospheric physics are included in Group 0401 Atmospheric Sciences.
- d) Extraterrestrial geology is included in Group 0403 Geology.
- e) Geophysics is included in Group 0404 Geophysics.
- f) Soil physics is included in Group 0503 Soil Sciences.
- g) Engineering aspects of the physical sciences are included in Division 09 Engineering.
- h) Technological aspects of the physical sciences are included in Division 10 Technology.
- i) Human biophysics is included in Group 1116 Medical Physiology.
- j) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 03 CHEMICAL SCIENCES**

This division covers the chemical sciences. It includes immunological and bioassay methods, forensic chemistry, and atmospheric chemistry.

This division has eight groups:

- 0301 Analytical Chemistry
- 0302 Inorganic Chemistry
- 0303 Macromolecular and Materials Chemistry
- 0304 Medicinal and Biomolecular Chemistry
- 0305 Organic Chemistry
- 0306 Physical Chemistry (incl. Structural)
- 0307 Theoretical and Computational Chemistry
- 0399 Other Chemical Sciences

**Exclusions:**

- a) Atmospheric sciences, other than atmospheric chemistry, are included in Group 0401 Atmospheric Sciences.
- b) Geochemistry is included in Group 0402 Geochemistry.
- c) Mineralogy and crystallography are included in Group 0403 Geology.
- d) Soil chemistry is included in Group 0503 Soil Sciences.
- e) Pharmacology for animal use is included in Group 0707 Veterinary Sciences.
- f) Biochemistry other than biomolecular chemistry or medical biochemistry is included in Group 0601 Biochemistry and Cell Biology.
- g) Chemical engineering is included in Group 0904 Chemical Engineering.
- h) Food chemistry is included in Group 0908 Food Sciences.
- i) Mechanical engineering is included in Group 0913 Mechanical Engineering.
- j) Biocatalysis is included in Group 1003 Industrial Biotechnology.
- k) Nanoscale characterisation and nanotechnology other than nanochemistry are included in Group 1007 Nanotechnology
- l) Medical biochemistry is included in Group 1101 Medical Biochemistry and Metabolomics.
- m) Clinical chemistry is included in Group 1103 Clinical Sciences.
- n) Pharmacology for human use and human toxicology is included in Group 1115 Pharmacology and Pharmaceutical Sciences.
- o) Criminology is included in Group 1602 Criminology.
- p) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 0301 ANALYTICAL CHEMISTRY**

This group covers analytical chemistry.

This group has nine fields:

- 030101 Analytical Spectrometry
- 030102 Electroanalytical Chemistry
- 030103 Flow Analysis
- 030104 Immunological and Bioassay Methods
- 030105 Instrumental Methods (excl. Immunological and Bioassay Methods)
- 030106 Quality Assurance, Chemometrics, Traceability and Metrological Chemistry
- 030107 Sensor Technology (Chemical aspects)
- 030108 Separation Science
- 030199 Analytical Chemistry not elsewhere classified



**DIVISION 03 CHEMICAL SCIENCES** *continued*

**GROUP 0302 INORGANIC CHEMISTRY**

This group covers inorganic chemistry.

This group has eight fields:

- 030201 Bioinorganic Chemistry
- 030202 f-Block Chemistry
- 030203 Inorganic Green Chemistry
- 030204 Main Group Metal Chemistry
- 030205 Non-metal Chemistry
- 030206 Solid State Chemistry
- 030207 Transition Metal Chemistry
- 030299 Inorganic Chemistry not elsewhere classified

**Exclusions:**

- a) Other material sciences are included in Groups 0204 Condensed Matter Physics, 0303 Macromolecular and Materials Chemistry, 0903 Biomedical Engineering, 0912 Materials Engineering and 0914 Resources Engineering and Extractive Metallurgy.
- b) Organometallic chemistry, environmental chemistry and industrial chemistry are included in Group 0399 Other Chemical Sciences.
- c) Mineralogy and crystallography are included in Group 0403 Geology.

**GROUP 0303 MACROMOLECULAR AND MATERIALS CHEMISTRY**

This group covers macromolecular and materials chemistry. It includes nanochemistry.

This group has eight fields:

- 030301 Chemical Characterisation of Materials
- 030302 Nanochemistry and Supramolecular Chemistry
- 030303 Optical Properties of Materials
- 030304 Physical Chemistry of Materials
- 030305 Polymerisation Mechanisms
- 030306 Synthesis of Materials
- 030307 Theory and Design of Materials
- 030399 Macromolecular and Materials Chemistry not elsewhere classified

**Exclusions:**

- a) Other material sciences are included in Groups 0204 Condensed Matter Physics, 0302 Inorganic Chemistry, 0903 Biomedical Engineering, 0912 Materials Engineering and 0914 Resources Engineering and Extractive Metallurgy.
- b) Nanoscale characterisation and nanotechnology other than nanochemistry are included in Group 1007 Nanotechnology

## FIELDS OF RESEARCH *continued*

### DIVISION 03 CHEMICAL SCIENCES *continued*

#### GROUP 0304 MEDICINAL AND BIOMOLECULAR CHEMISTRY

This group covers medicinal and biomolecular chemistry. It includes cheminformatics.

This group has seven fields:

- 030401 Biologically Active Molecules
- 030402 Biomolecular Modelling and Design
- 030403 Characterisation of Biological Macromolecules
- 030404 Cheminformatics and Quantitative Structure-Activity Relationships
- 030405 Molecular Medicine
- 030406 Proteins and Peptides
- 030499 Medicinal and Biomolecular Chemistry not elsewhere classified

#### Exclusions:

- a) Biochemistry other than medical biochemistry or biomolecular chemistry is included in Group 0601 Biochemistry and Cell Biology.
- b) Pharmacology for animal use is included in Group 0707 Veterinary Sciences.
- c) Food chemistry is included in Group 0908 Food Sciences.
- d) Medical biochemistry is included in Group 1101 Medical Biochemistry and Metabolomics.
- e) Clinical chemistry is included in Group 1103 Clinical Sciences.
- f) Pharmacology for human use and human toxicology is included in Group 1115 Pharmacology and Pharmaceutical Sciences.

#### GROUP 0305 ORGANIC CHEMISTRY

This group covers organic chemistry.

This group has six fields:

- 030501 Free Radical Chemistry
- 030502 Natural Products Chemistry
- 030503 Organic Chemical Synthesis
- 030504 Organic Green Chemistry
- 030505 Physical Organic Chemistry
- 030599 Organic Chemistry not elsewhere classified

#### Exclusions:

- a) Immunological and bioassay methods are included in Group 0301 Analytical Chemistry.
- b) Medicinal and biomolecular chemistry is included in Group 0304 Medicinal and Biomolecular Chemistry.
- c) Organometallic chemistry, environmental chemistry and industrial chemistry are included in Group 0399 Other Chemical Sciences.
- d) Biochemistry is included in Group 0601 Biochemistry and Cell Biology.
- e) Pharmacology for animal use is included in Group 0707 Veterinary Sciences.
- f) Food chemistry is included in Group 0908 Food Sciences.
- g) Medical biochemistry is included in Group 1101 Medical Biochemistry and Metabolomics.
- h) Clinical chemistry is included in Group 1103 Clinical Sciences.
- i) Pharmacology for human use and human toxicology is included in Group 1115 Pharmacology and Pharmaceutical Sciences.

## FIELDS OF RESEARCH *continued*

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### DIVISION 03 CHEMICAL SCIENCES *continued*

#### GROUP 0306 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)

This group covers physical chemistry.

This group has eight fields:

- 030601 Catalysis and Mechanisms of Reactions
- 030602 Chemical Thermodynamics and Energetics
- 030603 Colloid and Surface Chemistry
- 030604 Electrochemistry
- 030605 Solution Chemistry
- 030606 Structural Chemistry and Spectroscopy
- 030607 Transport Properties and Non-equilibrium Processes
- 030699 Physical Chemistry not elsewhere classified

#### Exclusions:

- a) Other material sciences are included in Groups 0204 Condensed Matter Physics, 0302 Inorganic Chemistry, 0303 Macromolecular and Materials Chemistry, 0903 Biomedical Engineering, 0912 Materials Engineering and 0914 Resources Engineering and Extractive Metallurgy.
- b) Physical organic chemistry is included in Group 0305 Organic Chemistry.
- c) Chemical engineering, including catalytic process engineering, is included in Group 0904 Chemical Engineering.
- d) Mechanical engineering is included in Group 0913 Mechanical Engineering.
- e) Biocatalysis is included in Group 1003 Industrial Biotechnology.

#### GROUP 0307 THEORETICAL AND COMPUTATIONAL CHEMISTRY

This group covers theoretical chemistry and computational chemistry.

This group has five fields:

- 030701 Quantum Chemistry
- 030702 Radiation and Matter
- 030703 Reaction Kinetics and Dynamics
- 030704 Statistical Mechanics in Chemistry
- 030799 Theoretical and Computational Chemistry not elsewhere classified

**DIVISION 03 CHEMICAL SCIENCES** *continued*

**GROUP 0399 OTHER CHEMICAL SCIENCES**

This group covers any chemical sciences not elsewhere classified.

It includes:

- organometallic chemistry;
- environmental chemistry;
- atmospheric chemistry;
- industrial chemistry; and
- forensic chemistry.

This group has five fields:

- 039901 Environmental Chemistry (incl. Atmospheric Chemistry)
- 039902 Forensic Chemistry
- 039903 Industrial Chemistry
- 039904 Organometallic Chemistry
- 039999 Chemical Sciences not elsewhere classified

**Exclusions:**

- a) Atmospheric sciences, other than atmospheric chemistry, are included in Group 0401 Atmospheric Sciences.
- b) Geochemistry is included in Group 0402 Geochemistry.
- c) Mineralogy and crystallography are included in Group 0403 Geology.
- d) Soil chemistry is included in Group 0503 Soil Sciences.
- e) Pharmacology for animal use is included in Group 0707 Veterinary Sciences.
- f) Biochemistry other than biomolecular chemistry or medical biochemistry is included in Group 0601 Biochemistry and Cell Biology.
- g) Chemical engineering is included in Group 0904 Chemical Engineering.
- h) Food chemistry is included in Group 0908 Food Sciences.
- i) Mechanical engineering is included in Group 0913 Mechanical Engineering.
- j) Biocatalysis is included in Group 1003 Industrial Biotechnology.
- k) Nanoscale characterisation and nanotechnology other than nanochemistry are included in Group 1007 Nanotechnology
- .
- l) Medical biochemistry is included in Group 1101 Medical Biochemistry and Metabolomics.
- m) Clinical chemistry is included in Group 1103 Clinical Sciences.
- n) Pharmacology for human use and human toxicology is included in Group 1115 Pharmacology and Pharmaceutical Sciences.
- o) Criminology is included in Group 1602 Criminology.
- p) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## **DIVISION 04 EARTH SCIENCES**

This division covers the earth sciences.

This division has seven groups:

- 0401 Atmospheric Sciences
- 0402 Geochemistry
- 0403 Geology
- 0404 Geophysics
- 0405 Oceanography
- 0406 Physical Geography and Environmental Geoscience
- 0499 Other Earth Sciences

### **Exclusions:**

- a) Mesospheric, ionospheric and magnetospheric physics is included in Group 0201 Astronomical and Space Sciences.
- b) Solid state chemistry and the chemical aspects of crystallography and are included in Group 0302 Inorganic Chemistry.
- c) Environmental and atmospheric chemistry are included in Group 0399 Other Chemical Sciences.
- d) Environmental sciences, including environmental monitoring, soil science and carbon sequestration science are included in Division 05 Environmental Sciences.
- e) Marine ecology and palaeontology associated with palaeoecological studies is included in Group 0602 Ecology.
- f) Agricultural applications of hydrology are included in Group 0799 Other Agricultural and Veterinary Sciences.
- g) Water reticulation for household and non-agricultural industry use is included in Groups 0904 Chemical Engineering and 0905 Civil Engineering.
- h) Environmental engineering is included in Group 0907 Environmental Engineering.
- i) Materials engineering is included in Group 0912 Materials Engineering.
- j) Mining, mineral processing and metallurgy are included in Group 0914 Resources Engineering and Extractive Metallurgy.
- k) Social aspects of geography are included in Group 1604 Human Geography.
- l) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## **GROUP 0401 ATMOSPHERIC SCIENCES**

This group covers atmospheric sciences, other than atmospheric chemistry.

This group has nine fields:

- 040101 Atmospheric Aerosols
- 040102 Atmospheric Dynamics
- 040103 Atmospheric Radiation
- 040104 Climate Change Processes
- 040105 Climatology (excl. Climate Change Processes)
- 040106 Cloud Physics
- 040107 Meteorology
- 040108 Tropospheric and Stratospheric Physics
- 040199 Atmospheric Sciences not elsewhere classified

### **Exclusions:**

- a) Mesospheric, ionospheric and magnetospheric physics is included in Group 0201 Astronomical and Space Sciences.
- b) Atmospheric chemistry is included in Group 0399 Other Chemical Sciences.
- c) Palaeoclimatology is included in Group 0406 Physical Geography and Environmental Geoscience.
- d) Environmental sciences, including environmental monitoring and carbon sequestration science, are included in Division 05 Environmental Sciences.

**DIVISION 04 EARTH SCIENCES** *continued*

**GROUP 0402 GEOCHEMISTRY**

This group covers geochemistry.

This group has five fields:

- 040201 Exploration Geochemistry
- 040202 Inorganic Geochemistry
- 040203 Isotope Geochemistry
- 040204 Organic Geochemistry
- 040299 Geochemistry not elsewhere classified

**GROUP 0403 GEOLOGY**

This group covers geology. It includes palaeontology, including palaeozoology, palaeobotany and palynology, other than that associated with palaeoecological studies.

This group has fifteen fields:

- 040301 Basin Analysis
- 040302 Extraterrestrial Geology
- 040303 Geochronology
- 040304 Igneous and Metamorphic Petrology
- 040305 Marine Geoscience
- 040306 Mineralogy and Crystallography
- 040307 Ore Deposit Petrology
- 040308 Palaeontology (incl. Palynology)
- 040309 Petroleum and Coal Geology
- 040310 Sedimentology
- 040311 Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)
- 040312 Structural Geology
- 040313 Tectonics
- 040314 Volcanology
- 040399 Geology not elsewhere classified

**Exclusions:**

- a) Planetary science other than extraterrestrial geology is included in Group 0201 Astronomical and Space Sciences.
- b) Solid state chemistry and the chemical aspects of crystallography are included in Group 0302 Inorganic Chemistry.
- c) Oceanography is included in Group 0405 Oceanography.
- d) Palaeoclimatology is included in Group 0406 Physical Geography and Environmental Geoscience.
- e) Palaeontology associated with palaeoecological studies is included in Group 0602 Ecology.
- f) Materials engineering is included in Group 0912 Materials Engineering.
- g) Mining, mineral processing and metallurgy are included in Group 0914 Resources Engineering and Extractive Metallurgy

**DIVISION 04 EARTH SCIENCES** *continued*

**GROUP 0404 GEOPHYSICS**

This group covers geophysics.

This group has eight fields:

- 040401 Electrical and Electromagnetic Methods in Geophysics
- 040402 Geodynamics
- 040403 Geophysical Fluid Dynamics
- 040404 Geothermics and Radiometrics
- 040405 Gravimetrics
- 040406 Magnetism and Palaeomagnetism
- 040407 Seismology and Seismic Exploration
- 040499 Geophysics not elsewhere classified

**Exclusions:**

- a) Geodesy is included in Group 0909 Geomatic Engineering.

**GROUP 0405 OCEANOGRAPHY**

This group covers oceanography.

This group has four fields:

- 040501 Biological Oceanography
- 040502 Chemical Oceanography
- 040503 Physical Oceanography
- 040599 Oceanography not elsewhere classified

**Exclusions:**

- a) Marine geoscience is included in Group 0403 Geology.
- b) Marine ecology is included in Group 0602 Ecology.

## FIELDS OF RESEARCH *continued*

### DIVISION 04 EARTH SCIENCES *continued*

#### GROUP 0406 PHYSICAL GEOGRAPHY AND ENVIRONMENTAL GEOSCIENCE

This group covers physical geography and environmental geoscience, other than agricultural hydrology.

This group has nine fields:

- 040601 Geomorphology and Regolith and Landscape Evolution
- 040602 Glaciology
- 040603 Hydrogeology
- 040604 Natural Hazards
- 040605 Palaeoclimatology
- 040606 Quaternary Environments
- 040607 Surface Processes
- 040608 Surfacewater Hydrology
- 040699 Physical Geography and Environmental Geoscience not elsewhere classified

#### Exclusions:

- a) Climatology is included in Group 0401 Atmospheric Sciences.
- b) Environmental sciences are included in Division 05 Environmental Sciences.
- c) Agricultural applications of hydrology are included in Group 0799 Other Agricultural and Veterinary Sciences.
- d) Water reticulation for household and non-agricultural industry use is included in Groups 0904 Chemical Engineering and 0905 Civil Engineering.
- e) Environmental engineering is included in Group 0907 Environmental Engineering.
- f) Social aspects of geography are included in Group 1604 Human Geography.

#### GROUP 0499 OTHER EARTH SCIENCES

This group covers earth sciences not elsewhere classified.

This group has one field:

- 049999 Earth Sciences not elsewhere classified

#### Exclusions:

- a) Mesospheric, ionospheric and magnetospheric physics is included in Group 0201 Astronomical and Space Sciences.
- b) Solid state chemistry and the chemical aspects of crystallography and are included in Group 0302 Inorganic Chemistry.
- c) Environmental and atmospheric chemistry are included in Group 0399 Other Chemical Sciences.
- d) Environmental sciences, including environmental monitoring, soil science and carbon sequestration science are included in Division 05 Environmental Sciences.
- e) Marine ecology and palaeontology associated with palaeoecological studies is included in Group 0602 Ecology.
- f) Agricultural applications of hydrology are included in Group 0799 Other Agricultural and Veterinary Sciences.
- g) Water reticulation for household and non-agricultural industry use is included in Groups 0904 Chemical Engineering and 0905 Civil Engineering.
- h) Environmental engineering is included in Group 0907 Environmental Engineering.
- i) Materials engineering is included in Group 0912 Materials Engineering.
- j) Mining, mineral processing and metallurgy are included in Group 0914 Resources Engineering and Extractive Metallurgy.
- k) Social aspects of geography are included in Group 1604 Human Geography.
- l) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.



**DIVISION 05 ENVIRONMENTAL SCIENCES**

This division covers environmental sciences.

This division has four groups:

- 0501 Ecological Applications
- 0502 Environmental Science and Management
- 0503 Soil Sciences
- 0599 Other Environmental Sciences

**Exclusions:**

- a) Environmental chemistry is included in Group 0399 Other Chemical Sciences.
- b) Atmospheric sciences are included in Group 0401 Atmospheric Sciences.
- c) Hydrology and environmental geoscience are included in Group 0406 Physical Geography and Environmental Geoscience.
- d) Basic ecological research is included in Group 0602 Ecology.
- e) Management of land and soil for agricultural production is included in Group 0701 Agriculture, Land and Farm Management.
- f) Management of forests for forestry production is included in Group 0705 Forestry Sciences.
- g) Carbon capture engineering is included in Group 0904 Chemical Engineering.
- h) Environmental engineering is included in Group 0907 Environmental Engineering.
- i) Environmental biotechnology is included in Group 1002 Environmental Biotechnology.
- j) Environmental nanotechnology is included in Group 1007 Nanotechnology.
- k) Management of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- l) Environment economics are included in Group 1402 Applied Economics.
- m) Ecological economics is included in Group 1499 Other Economics.
- n) Environment policy is included in Group 1605 Policy and Administration.
- o) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 0501 ECOLOGICAL APPLICATIONS**

This group covers applications of ecology.

This group has five fields:

- 050101 Ecological Impacts of Climate Change
- 050102 Ecosystem Function
- 050103 Invasive Species Ecology
- 050104 Landscape Ecology
- 050199 Ecological Applications not elsewhere classified

**Exclusions:**

- a) Conservation and biodiversity are included in Group 0502 Environmental Science and Management.
- b) Basic ecological research is included in Group 0602 Ecology.

## FIELDS OF RESEARCH *continued*

### DIVISION 05 ENVIRONMENTAL SCIENCES *continued*

#### GROUP 0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT

This group covers environmental science and management.

It includes:

- the environmental and ecological knowledge of Aboriginal and Torres Strait Islander, Māori and Pacific Peoples;
- conservation and biodiversity;
- public education on environmental issues; and
- the management and monitoring of natural resources and environments for their environmental value.

This group has twelve fields:

- 050201 Aboriginal and Torres Strait Islander Environmental Knowledge
- 050202 Conservation and Biodiversity
- 050203 Environmental Education and Extension
- 050204 Environmental Impact Assessment
- 050205 Environmental Management
- 050206 Environmental Monitoring
- 050207 Environmental Rehabilitation (excl. Bioremediation)
- 050208 Māori Environmental Knowledge
- 050209 Natural Resource Management
- 050210 Pacific Peoples Environmental Knowledge
- 050211 Wildlife and Habitat Management
- 050299 Environmental Science and Management not elsewhere classified

#### Exclusions:

- a) Ecological applications are included in Group 0501 Ecological Applications.
- b) Management of land for agricultural production other than forestry production is included in Group 0701 Agriculture, Land and Farm Management.
- c) Management of forests for forestry production is included in Group 0705 Forestry Sciences.
- d) Bioremediation and environmental biosensors are included in Group 1002 Environmental Biotechnology.
- e) Management of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- f) Environment policy is included in Group 1605 Policy and Administration.

#### GROUP 0503 SOIL SCIENCES

This group covers soil sciences.

This group has six fields:

- 050301 Carbon Sequestration Science
- 050302 Land Capability and Soil Degradation
- 050303 Soil Biology
- 050304 Soil Chemistry (excl. Carbon Sequestration Science)
- 050305 Soil Physics
- 050399 Soil Sciences not elsewhere classified

#### Exclusions:

- a) Environmental chemistry is included in Group 0399 Other Chemical Sciences.
- b) Management of land and soil for agricultural production is included in Group 0701 Agriculture, Land and Farm Management.
- c) Carbon capture engineering is included in Group 0904 Chemical Engineering.

## FIELDS OF RESEARCH *continued*

### DIVISION 05 ENVIRONMENTAL SCIENCES *continued*

#### GROUP 0599 OTHER ENVIRONMENTAL SCIENCES

This group covers environmental sciences not elsewhere classified.

This group has one field:

059999 Environmental Sciences not elsewhere classified

#### **Exclusions:**

- a) Environmental chemistry is included in Group 0399 Other Chemical Sciences.
- b) Atmospheric sciences are included in Group 0401 Atmospheric Sciences.
- c) Hydrology and environmental geoscience are included in Group 0406 Physical Geography and Environmental Geoscience.
- d) Basic ecological research is included in Group 0602 Ecology.
- e) Management of land and soil for agricultural production is included in Group 0701 Agriculture, Land and Farm Management.
- f) Management of forests for forestry production is included in Group 0705 Forestry Sciences.
- g) Carbon capture engineering is included in Group 0904 Chemical Engineering.
- h) Environmental engineering is included in Group 0907 Environmental Engineering.
- i) Environmental biotechnology is included in Group 1002 Environmental Biotechnology.
- j) Environmental nanotechnology is included in Group 1007 Nanotechnology.
- k) Management of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- l) Environment economics are included in Group 1402 Applied Economics.
- m) Ecological economics is included in Group 1499 Other Economics.
- n) Environment policy is included in Group 1605 Policy and Administration.
- o) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## DIVISION 06 BIOLOGICAL SCIENCES

This division covers biological sciences.

This division has nine groups:

- 0601 Biochemistry and Cell Biology
- 0602 Ecology
- 0603 Evolutionary Biology
- 0604 Genetics
- 0605 Microbiology
- 0606 Physiology
- 0607 Plant Biology
- 0608 Zoology
- 0699 Other Biological Sciences

### Exclusions:

- a) Biological mathematics is included in Group 0102 Applied Mathematics.
- b) Biostatistics is included in Group 0104 Statistics.
- c) Biophysics other than human biophysics is included in Group 0299 Other Physical Sciences.
- d) Chemistry, including organic and biomolecular chemistry, is included in Division 03 Chemical Sciences.
- e) Palaeontology other than that associated with palaeoecological studies is included in Group 0403 Geology.
- f) Applications of ecology are included in Group 0501 Ecological Applications.
- g) Conservation and biodiversity is included in Group 0502 Environmental Science and Management.
- h) Biological or life sciences associated with agricultural production or veterinary sciences are included in Division 07 Agricultural and Veterinary Sciences.
- i) Bioinformatics software is included in Group 0803 Computer Software.
- j) Technological applications of biology are included in Division 10 Technology.
- k) Biological or life sciences associated with human health and medicine are included in Division 11 Medical and Health Sciences.
- l) Criminology is included in Group 1602 Criminology.
- m) Animal bioethics is included in Group 2201 Applied Ethics.
- n) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

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### DIVISION 06 BIOLOGICAL SCIENCES *continued*

#### GROUP 0601 BIOCHEMISTRY AND CELL BIOLOGY

This group covers biochemistry or the chemistry of living organisms. It includes bioinformatics, cell biology and membrane biology.

This group has fifteen fields:

- 060101 Analytical Biochemistry
- 060102 Bioinformatics
- 060103 Cell Development, Proliferation and Death
- 060104 Cell Metabolism
- 060105 Cell Neurochemistry
- 060106 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)
- 060107 Enzymes
- 060108 Protein Trafficking
- 060109 Proteomics and Intermolecular Interactions (excl. Medical Proteomics)
- 060110 Receptors and Membrane Biology
- 060111 Signal Transduction
- 060112 Structural Biology (incl. Macromolecular Modelling)
- 060113 Synthetic Biology
- 060114 Systems Biology
- 060199 Biochemistry and Cell Biology not elsewhere classified

#### **Exclusions:**

- a) Chemistry, including organic and biomolecular chemistry, is included in Division 03 Chemical Sciences.
- b) Cell and molecular biology specific to plants is included in Group 0607 Plant Biology.
- c) Cell and molecular biology specific to animals is included in Group 0608 Zoology.
- d) Biochemistry of agricultural plants is included in Division 07 Agricultural and Veterinary Sciences.
- e) Bioinformatics software is included in Group 0803 Computer Software.
- f) Biochemistry and proteomics associated with medical science is included in Group 1101 Medical Biochemistry and Metabolomics.

**DIVISION 06 BIOLOGICAL SCIENCES** *continued*

**GROUP 0602 ECOLOGY**

This group covers ecology other than its environmental applications.

It includes:

- plant or animal ecology;
- limnology and ecological studies of freshwater bodies such as lakes or ponds; and
- palaeoecology (including palynology associated with palaeoecological studies).

This group has nine fields:

- 060201 Behavioural Ecology
- 060202 Community Ecology (excl. Invasive Species Ecology)
- 060203 Ecological Physiology
- 060204 Freshwater Ecology
- 060205 Marine and Estuarine Ecology (incl. Marine Ichthyology)
- 060206 Palaeoecology
- 060207 Population Ecology
- 060208 Terrestrial Ecology
- 060299 Ecology not elsewhere classified

**Exclusions:**

- a) Palaeontology other than that associated with palaeoecological studies is included in Group 0403 Geology.
- b) Applications of ecology, including the ecology of invasive species, are included in Group 0501 Ecological Applications.
- c) Population and ecological genetics is included in Group 0604 Genetics.
- d) Microbial ecology is included in Group 0605 Microbiology.
- e) Freshwater ichthyology and animal physiological ecology are included in Group 0608 Zoology.

**GROUP 0603 EVOLUTIONARY BIOLOGY**

This group covers evolutionary biology, including biogeography and adaptation.

This group has twelve fields:

- 060301 Animal Systematics and Taxonomy
- 060302 Biogeography and Phylogeography
- 060303 Biological Adaptation
- 060304 Ethology and Sociobiology
- 060305 Evolution of Developmental Systems
- 060306 Evolutionary Impacts of Climate Change
- 060307 Host-Parasite Interactions
- 060308 Life Histories
- 060309 Phylogeny and Comparative Analysis
- 060310 Plant Systematics and Taxonomy
- 060311 Speciation and Extinction
- 060399 Evolutionary Biology not elsewhere classified

**Exclusions:**

- a) Evolutionary genetics and molecular evolution is included in Group 0604 Genetics.

**DIVISION 06 BIOLOGICAL SCIENCES** *continued*

**GROUP 0604 GENETICS**

This group covers genetics and heredity.

This group has thirteen fields:

- 060401 Anthropological Genetics
- 060402 Cell and Nuclear Division
- 060403 Developmental Genetics (incl. Sex Determination)
- 060404 Epigenetics (incl. Genome Methylation and Epigenomics)
- 060405 Gene Expression (incl. Microarray and other genome-wide approaches)
- 060406 Genetic Immunology
- 060407 Genome Structure and Regulation
- 060408 Genomics
- 060409 Molecular Evolution
- 060410 Neurogenetics
- 060411 Population, Ecological and Evolutionary Genetics
- 060412 Quantitative Genetics (incl. Disease and Trait Mapping Genetics)
- 060499 Genetics not elsewhere classified

**Exclusions:**

- a) Microbial genetics is included in Group 0605 Microbiology.
- b) Animal genetics associated with animal breeding is included in Group 0702 Animal Production.
- c) Genetics of agricultural crops (excluding genetic engineering) is included in Groups 0703 Crop and Pasture Production and 0706 Horticultural Production.
- d) Genetic engineering of agricultural crops is included in Group 1001 Agricultural Biotechnology.
- e) Genetics associated with human health and medicine is included in Groups 1103 Clinical Sciences and 1112 Oncology and Carcinogenesis.

**GROUP 0605 MICROBIOLOGY**

This group covers microbiology, including bacteriology, parasitology and virology.

This group has seven fields:

- 060501 Bacteriology
- 060502 Infectious Agents
- 060503 Microbial Genetics
- 060504 Microbial Ecology
- 060505 Mycology
- 060506 Virology
- 060599 Microbiology not elsewhere classified

**Exclusions:**

- a) Microbial systematics, taxonomy and phylogeny are included in Group 0603 Evolutionary Biology.
- b) Veterinary microbiology is included in Group 0707 Veterinary Sciences.
- c) Medical and clinical microbiology are included in Division 11 Medical and Health Sciences.

**DIVISION 06 BIOLOGICAL SCIENCES** *continued*

**GROUP 0606 PHYSIOLOGY**

This group covers physiology other than medical or plant.

This group has five fields:

- 060601 Animal Physiology - Biophysics
- 060602 Animal Physiology - Cell
- 060603 Animal Physiology – Systems
- 060604 Comparative Physiology
- 060699 Physiology not elsewhere classified

**Exclusions:**

- a) Plant physiology is included in Group 0607 Plant Biology.
- b) Animal physiological ecology is included in Group 0608 Zoology.
- c) Physiology related to specific aspects of animal production or veterinary practice is included in Division 07 Agricultural and Veterinary Sciences.
- d) Medical physiology is included in Group 1116 Medical Physiology.

**GROUP 0607 PLANT BIOLOGY**

This group covers plant biology.

It includes:

- mycology, which for the purpose of this classification includes the study of lichen;
- plant pathology other than that associated with plant protection procedures used in agriculture and horticulture; and
- phycology (including algae and marine grasses).

This group has six fields:

- 060701 Phycology (incl. Marine Grasses)
- 060702 Plant Cell and Molecular Biology
- 060703 Plant Developmental and Reproductive Biology
- 060704 Plant Pathology
- 060705 Plant Physiology
- 060799 Plant Biology not elsewhere classified

**Exclusions:**

- a) Palaeobotany and palynology (other than palynology associated with ecological studies) are included in Group 0403 Geology.
- b) Cell and molecular biology not specific to plants or animals is included in Group 0601 Biochemistry and Cell Biology.
- c) Plant ecology and palynology associated with ecological studies is included in Group 0602 Ecology.
- d) Plant systematics, taxonomy and phylogeny are included in Group 0603 Evolutionary Biology.
- e) Plant science or plant pathology associated with agriculture, forestry or primary production is included in Division 07 Agricultural and Veterinary Sciences.



**DIVISION 06 BIOLOGICAL SCIENCES** *continued*

**GROUP 0608 ZOOLOGY**

This group covers zoology.

It includes:

- the study of terrestrial vertebrates (other than humans);
- non-insect terrestrial invertebrates;
- ornithology;
- herpetology;
- freshwater ichthyology; and
- entomology

This group has ten fields:

- 060801 Animal Behaviour
- 060802 Animal Cell and Molecular Biology
- 060803 Animal Developmental and Reproductive Biology
- 060804 Animal Immunology
- 060805 Animal Neurobiology
- 060806 Animal Physiological Ecology
- 060807 Animal Structure and Function
- 060808 Invertebrate Biology
- 060809 Vertebrate Biology
- 060899 Zoology not elsewhere classified

**Exclusions:**

- a) Palaeontology other than that associated with palaeoecological studies is included in Group 0403 Geology.
- b) Cell and molecular biology not specific to plants or animals is included in Group 0601 Biochemistry and Cell Biology.
- c) Animal ecology and marine ichthyology are included in Group 0602 Ecology.
- d) Animal systematics, taxonomy and phylogeny are included in Group 0603 Evolutionary Biology.
- e) Animal physiology is included in Group 0606 Physiology.
- f) The use of live animals for purposes of primary production is included in Group 0702 Animal Production.
- g) Fisheries and aquaculture for primary production is included in Group 0704 Fisheries Sciences.
- h) The human immune system is included in Group 1107 Immunology.
- i) The human nervous system is included in Group 1109 Neurosciences.
- j) The use of live animals or material from live animals for medical research is included in Group 1199 Other Medical and Health Sciences.
- k) Animal bioethics is included in Group 2201 Applied Ethics.

## FIELDS OF RESEARCH *continued*

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### DIVISION 06 BIOLOGICAL SCIENCES *continued*

#### GROUP 0699 OTHER BIOLOGICAL SCIENCES

This group covers biological sciences not elsewhere classified. It includes forensic biology and global change biology.

This group has three fields:

- 069901 Forensic Biology
- 069902 Global Change Biology
- 069999 Biological Sciences not elsewhere classified

#### **Exclusions:**

- a) Biological mathematics is included in Group 0102 Applied Mathematics.
- b) Biostatistics is included in Group 0104 Statistics.
- c) Biophysics other than human biophysics is included in Group 0299 Other Physical Sciences.
- d) Chemistry, including organic and biomolecular chemistry, is included in Division 03 Chemical Sciences.
- e) Palaeontology other than that associated with palaeoecological studies is included in Group 0403 Geology.
- f) Applications of ecology are included in Group 0501 Ecological Applications.
- g) Conservation and biodiversity is included in Group 0502 Environmental Science and Management.
- h) Biological or life sciences associated with agricultural production or veterinary sciences are included in Division 07 Agricultural and Veterinary Sciences.
- i) Bioinformatics software is included in Group 0803 Computer Software.
- j) Technological applications of biology are included in Division 10 Technology.
- k) Biological or life sciences associated with human health and medicine are included in Division 11 Medical and Health Sciences.
- l) Criminology is included in Group 1602 Criminology.
- m) Animal bioethics is included in Group 2201 Applied Ethics.
- n) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES**

This division covers the sciences and technologies supporting agriculture.

It includes:

- crop and pasture production;
- agronomy;
- horticultural production;
- animal production;
- forestry sciences;
- fisheries sciences; and
- veterinary sciences.

This division has eight groups:

- 0701 Agriculture, Land and Farm Management
- 0702 Animal Production
- 0703 Crop and Pasture Production
- 0704 Fisheries Sciences
- 0705 Forestry Sciences
- 0706 Horticultural Production
- 0707 Veterinary Sciences
- 0799 Other Agricultural and Veterinary Sciences

**Exclusions:**

- a) Hydrology other than agricultural hydrology is included in Group 0406 Physical Geography and Environmental Geoscience.
- b) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- c) Soil sciences are included in Group 0503 Soil Sciences.
- d) Biological or life sciences not associated with agricultural and veterinary sciences or human health and medicine are included in Division 06 Biological Sciences.
- e) Food science, including food processing and packaging, is included in Group 0908 Food Sciences.
- f) Agricultural engineering is included in Group 0999 Other Engineering.
- g) Agricultural biotechnology is included in Group 1001 Agricultural Biotechnology.
- h) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.
- i) Biological or life sciences associated with human health and medicine are included in Division 11 Medical and Health Sciences.
- j) Management and planning of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- k) Agricultural economics is included in Group 1402 Applied Economics.
- l) Management of non-rural businesses is included in Group 1503 Business and Management.
- m) Animal bioethics is included in Group 2201 Applied Ethics.
- n) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

### DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES *continued*

#### GROUP 0701 AGRICULTURE, LAND AND FARM MANAGEMENT

This group covers the management of agriculture, land, and farms and rural businesses.

This group has nine fields:

- 070101 Agricultural Land Management
- 070102 Agricultural Land Planning
- 070103 Agricultural Production Systems Simulation
- 070104 Agricultural Spatial Analysis and Modelling
- 070105 Agricultural Systems Analysis and Modelling
- 070106 Farm Management, Rural Management and Agribusiness
- 070107 Farming Systems Research
- 070108 Sustainable Agricultural Development
- 070199 Agriculture, Land and Farm Management not elsewhere classified

#### Exclusions:

- a) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- b) Soil sciences are included in Group 0503 Soil Sciences.
- c) Management of forests for agricultural production is included in Group 0705 Forestry Sciences.
- d) Agricultural water management is included in Group 0799 Other Agricultural and Veterinary Sciences.
- e) Management and planning of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- f) Management of non-rural businesses is included in Group 1503 Business and Management.

#### GROUP 0702 ANIMAL PRODUCTION

This group covers the sciences and technologies supporting the primary production of livestock, including birds and poultry.

It includes:

- bees and apiary culture;
- egg production; and
- animal production for domestic or sporting uses.

This group has eight fields:

- 070201 Animal Breeding
- 070202 Animal Growth and Development
- 070203 Animal Management
- 070204 Animal Nutrition
- 070205 Animal Protection (Pests and Pathogens)
- 070206 Animal Reproduction
- 070207 Humane Animal Treatment
- 070299 Animal Production not elsewhere classified

#### Exclusions:

- a) The culture and production of marine and freshwater animals, including fish, crustaceans and shellfish, is included in Group 0704 Fisheries Sciences.
- b) Veterinary science is included in Group 0707 Veterinary Sciences.
- c) Food science, including food processing and packaging, is included in Group 0908 Food Sciences.
- d) Genetic engineering and cloning of livestock is included in Group 1001 Agricultural Biotechnology.
- e) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.

## FIELDS OF RESEARCH *continued*

### DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES *continued*

#### GROUP 0703 CROP AND PASTURE PRODUCTION

This group covers the science and technologies supporting the production of crops, pastures and grains.

It includes:

- agronomy;
- genetics and field protection procedures for crop and pasture production;
- post harvest treatment transportation of crops and grains; and
- weed science

This group has nine fields:

- 070301 Agro-ecosystem Function and Prediction
- 070302 Agronomy
- 070303 Crop and Pasture Biochemistry and Physiology
- 070304 Crop and Pasture Biomass and Bioproducts
- 070305 Crop and Pasture Improvement (Selection and Breeding)
- 070306 Crop and Pasture Nutrition
- 070307 Crop and Pasture Post Harvest Technologies (incl. Transportation and Storage)
- 070308 Crop and Pasture Protection (Pests, Diseases and Weeds)
- 070399 Crop and Pasture Production not elsewhere classified

#### Exclusions:

- a) Genetic engineering of crops and pasture is included in Group 1001 Agricultural Biotechnology.
- b) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.

#### GROUP 0704 FISHERIES SCIENCES

This group covers the sciences and technologies supporting fishing and production of freshwater and marine fisheries (including shellfish and crustaceans).

This group has seven fields:

- 070401 Aquaculture
- 070402 Aquatic Ecosystem Studies and Stock Assessment
- 070403 Fisheries Management
- 070404 Fish Pests and Diseases
- 070405 Fish Physiology and Genetics
- 070406 Post-Harvest Fisheries Technologies (incl. Transportation)
- 070499 Fisheries Sciences not elsewhere classified

#### Exclusions:

- a) Food science, including food processing and packaging, is included in Group 0908 Food Sciences.
- b) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.

## FIELDS OF RESEARCH *continued*

### DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES *continued*

#### GROUP 0705 FORESTRY SCIENCES

This group covers forestry sciences and silviculture. It includes forest fire prevention and control.

This group has eleven fields:

- 070501 Agroforestry
- 070502 Forestry Biomass and Bioproducts
- 070503 Forestry Fire Management
- 070504 Forestry Management and Environment
- 070505 Forestry Pests, Health and Diseases
- 070506 Forestry Product Quality Assessment
- 070507 Tree Improvement (Selection and Breeding)
- 070508 Tree Nutrition and Physiology
- 070509 Wood Fibre Processing
- 070510 Wood Processing
- 070599 Forestry Sciences not elsewhere classified

#### Exclusions:

- a) Management of forests in natural environments other than for forestry production is included in Group 0502 Environmental Science and Management.
- b) Genetic engineering of trees for agricultural production is included in Group 1001 Agricultural Biotechnology.
- c) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.

#### GROUP 0706 HORTICULTURAL PRODUCTION

This group covers horticultural production and horticultural science.

It includes:

- the propagation and culture of garden or horticultural crops (including production methods such as tissue culture, glasshouse techniques and hydroponics);
- fruit crops;
- viticulture and oenology;
- flower production, ornamental crops and nursery stock;
- propagating and growing vegetable crops (including mushrooms and fungi consumed as food);
- post harvest treatment of horticultural crops;
- lawns for aesthetic or sporting purposes.

This group has six fields:

- 070601 Horticultural Crop Growth and Development
- 070602 Horticultural Crop Improvement (Selection and Breeding)
- 070603 Horticultural Crop Protection (Pests, Diseases and Weeds)
- 070604 Oenology and Viticulture
- 070605 Post Harvest Horticultural Technologies (incl. Transportation and Storage)
- 070699 Horticultural Production not elsewhere classified

#### Exclusions:

- a) Food science, including food processing and packaging, is included in Group 0908 Food Sciences.
- b) Genetic engineering of horticultural crops is included in Group 1001 Agricultural Biotechnology.
- c) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.

## FIELDS OF RESEARCH *continued*

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### DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES *continued*

#### GROUP 0707 VETERINARY SCIENCES

This group covers veterinary science practised on livestock for primary production, domestic, sporting and other uses.

This group has thirteen fields:

- 070701 Veterinary Anaesthesiology and Intensive Care
- 070702 Veterinary Anatomy and Physiology
- 070703 Veterinary Diagnosis and Diagnostics
- 070704 Veterinary Epidemiology
- 070705 Veterinary Immunology
- 070706 Veterinary Medicine
- 070707 Veterinary Microbiology (excl. Virology)
- 070708 Veterinary Parasitology
- 070709 Veterinary Pathology
- 070710 Veterinary Pharmacology
- 070711 Veterinary Surgery
- 070712 Veterinary Virology
- 070799 Veterinary Sciences not elsewhere classified

#### **Exclusions:**

- a) Field procedures to protect animals against pests and pathogens are included in Group 0702 Animal Production.
- b) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.
- c) Biological or life sciences associated with human health and medicine are included in Division 11 Medical and Health Sciences.

## FIELDS OF RESEARCH *continued*

### DIVISION 07 AGRICULTURAL AND VETERINARY SCIENCES *continued*

#### GROUP 0799 OTHER AGRICULTURAL AND VETERINARY SCIENCES

This group covers agricultural and veterinary sciences not elsewhere classified. It includes fertilisers and agrochemicals, including their application, and agricultural applications of hydrology.

This group has three fields:

079901 Agricultural Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)

079902 Fertilisers and Agrochemicals (incl. Application)

079999 Agricultural and Veterinary Sciences not elsewhere classified

#### **Exclusions:**

- a) Hydrology other than agricultural hydrology is included in Group 0406 Physical Geography and Environmental Geoscience.
- b) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- c) Soil sciences are included in Group 0503 Soil Sciences.
- d) Biological or life sciences not associated with agricultural and veterinary sciences or human health and medicine are included in Division 06 Biological Sciences.
- e) Food science, including food processing and packaging, is included in Group 0908 Food Sciences.
- f) Agricultural engineering is included in Group 0999 Other Engineering.
- g) Agricultural biotechnology is included in Group 1001 Agricultural Biotechnology.
- h) Biological control of pests, diseases and exotic species is included in Group 1002 Environmental Biotechnology.
- i) Biological or life sciences associated with human health and medicine are included in Division 11 Medical and Health Sciences.
- j) Management and planning of land and parks in built environments is included in Group 1205 Urban and Regional Planning.
- k) Agricultural economics is included in Group 1402 Applied Economics.
- l) Management of non-rural businesses is included in Group 1503 Business and Management.
- m) Animal bioethics is included in Group 2201 Applied Ethics.
- n) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.



**DIVISION 08 INFORMATION AND COMPUTING SCIENCES**

This division covers information and computing sciences.

This division has eight groups:

- 0801 Artificial Intelligence and Image Processing
- 0802 Computation Theory and Mathematics
- 0803 Computer Software
- 0804 Data Format
- 0805 Distributed Computing
- 0806 Information Systems
- 0807 Library and Information Studies
- 0899 Other Information and Computing Sciences

**Exclusions:**

- a) Mathematics not associated with computer science is included in Division 01 Mathematical Sciences.
- b) Cheminformatics is included in Group 0304 Medicinal and Biomolecular Chemistry.
- c) The development of computer software, other than mathematics and bioinformatics software, which has applications to fields other than Division 08 Information and Computing Sciences is included in the appropriate divisions, e.g. computer modelling for atmospheric research is included in Division 04 Earth Sciences; software development for forest management is included in Division 07 Agricultural and Veterinary Sciences.
- d) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- e) Mechatronics for automotive engineering are included in Group 0902 Automotive Engineering.
- f) Signal processing and non-manufacturing robotics are included in Group 0906 Electrical and Electronic Engineering.
- g) Geospatial information systems are included in Group 0909 Geomatic Engineering.
- h) Manufacturing robotics, mechatronics (excluding automotive applications) and CAD/CAM systems are included in Group 0910 Manufacturing Engineering.
- i) Communications technologies are included in Group 1005 Communications Technologies.
- j) Development of computer hardware is included in Group 1006 Computer Hardware.
- k) Health information systems, including surveillance, are included in Group 1117 Public Health and Health Services.
- l) Business records and information management and business information systems are included in Group 1503 Business and Management.
- m) Computer perception, memory and attention are included in Group 1702 Cognitive Sciences.
- n) Computational linguistics is included in Group 2004 Linguistics.
- o) Archival, repository and related studies is included in Group 2102 Curatorial and Related Studies.
- p) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0801 ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING

This group covers artificial intelligence, expert systems and image processing.

It includes:

- technologies supplementing or supporting information systems or presentation, such as computer graphics, natural language processing, pattern recognition and data mining; and
- virtual and artificial realities and related simulation.

This group has twelve fields:

- 080101 Adaptive Agents and Intelligent Robotics
- 080102 Artificial Life
- 080103 Computer Graphics
- 080104 Computer Vision
- 080105 Expert Systems
- 080106 Image Processing
- 080107 Natural Language Processing
- 080108 Neural, Evolutionary and Fuzzy Computation
- 080109 Pattern Recognition and Data Mining
- 080110 Simulation and Modelling
- 080111 Virtual Reality and Related Simulation
- 080199 Artificial Intelligence and Image Processing not elsewhere classified

#### Exclusions:

- a) Signal processing and non-manufacturing robotics are included in Group 0906 Electrical and Electronic Engineering.
- b) Manufacturing robotics is included in Group 0910 Manufacturing Engineering.
- c) Computer perception, memory and attention are included in Group 1702 Cognitive Sciences.
- d) Computational linguistics is included in Group 2004 Linguistics.

#### GROUP 0802 COMPUTATION THEORY AND MATHEMATICS

This group covers computation theory and mathematics of computing.

This group has six fields:

- 080201 Analysis of Algorithms and Complexity
- 080202 Applied Discrete Mathematics
- 080203 Computational Logic and Formal Languages
- 080204 Mathematical Software
- 080205 Numerical Computation
- 080299 Computation Theory and Mathematics not elsewhere classified

#### Exclusions:

- a) Mathematics not associated with computer science is included in Division 01 Mathematical Sciences.

## FIELDS OF RESEARCH *continued*

### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0803 COMPUTER SOFTWARE

This group covers technologies related to computer software, software programming, computer languages and software operating systems.

This group has ten fields:

- 080301 Bioinformatics Software
- 080302 Computer System Architecture
- 080303 Computer System Security
- 080304 Concurrent Programming
- 080305 Multimedia Programming
- 080306 Open Software
- 080307 Operating Systems
- 080308 Programming Languages
- 080309 Software Engineering
- 080399 Computer Software not elsewhere classified

#### Exclusions:

- a) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- b) Mathematics software is included in Group 0802 Computation Theory and Mathematics.
- c) The development of computer software, other than mathematics and bioinformatics software, which has applications to fields other than Division 08 Information and Computing Sciences is included in the appropriate divisions, e.g. computer modelling for atmospheric research is included in Division 04 Earth Sciences; software development for forest management is included in Division 07 Agricultural and Veterinary Sciences.

#### GROUP 0804 DATA FORMAT

This group covers data format technologies in the information and computing sciences.

This group has five fields:

- 080401 Coding and Information Theory
- 080402 Data Encryption
- 080403 Data Structures
- 080404 Markup Languages
- 080499 Data Format not elsewhere classified

#### Exclusions:

- a) Systems for communicating encrypted data are included in Group 1005 Communications Technologies.

## FIELDS OF RESEARCH *continued*

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### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0805 DISTRIBUTED COMPUTING

This group covers computing distributed over multiple independent systems. It includes web technologies.

This group has six fields:

- 080501 Distributed and Grid Systems
- 080502 Mobile Technologies
- 080503 Networking and Communications
- 080504 Ubiquitous Computing
- 080505 Web Technologies (excl. Web Search)
- 080599 Distributed Computing not elsewhere classified

#### **Exclusions:**

- a) Web services are included in Group 0806 Information Systems.
- b) Web search is included in Group 0807 Library and Information Studies.
- c) Hardware for data communication is included in Group 1005 Communication Technologies.
- d) Computer hardware is included in Group 1006 Computer Hardware.

## FIELDS OF RESEARCH *continued*

### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0806 INFORMATION SYSTEMS

This group covers information systems.

It includes:

- computer and information systems organisation, design and management;
- interfaces and presentation, including computer-human interaction, and the application of psychology to computer-human interfaces;
- web services other than web search;
- traditional information and knowledge systems; and
- systems theory and conceptual modelling.

This group has fifteen fields:

- 080601 Aboriginal and Torres Strait Islander Information and Knowledge Systems
- 080602 Computer-Human Interaction
- 080603 Conceptual Modelling
- 080604 Database Management
- 080605 Decision Support and Group Support Systems
- 080606 Global Information Systems
- 080607 Information Engineering and Theory
- 080608 Information Systems Development Methodologies
- 080609 Information Systems Management
- 080610 Information Systems Organisation
- 080611 Information Systems Theory
- 080612 Interorganisational Information Systems and Web Services
- 080613 Māori Information and Knowledge Systems
- 080614 Pacific Peoples Information and Knowledge Systems
- 080699 Information Systems not elsewhere classified

#### **Exclusions:**

- a) Organisation and retrieval of information is included in Group 0807 Library and Information Studies.
- b) Geospatial information systems are included in Group 0909 Geomatic Engineering.
- c) Development of computer hardware is included in Group 1006 Computer Hardware.
- d) Health information systems, including surveillance, are included in Group 1117 Public Health and Health Services.
- e) Business information systems are included in Group 1503 Business and Management.

## FIELDS OF RESEARCH *continued*

### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0807 LIBRARY AND INFORMATION STUDIES

This group covers library and information studies.

It includes:

- management, organisation and retrieval of information and knowledge;
- librarianship; and
- research on how information is used.

This group has ten fields:

080701 Aboriginal and Torres Strait Islander Knowledge Management

080702 Health Informatics

080703 Human Information Behaviour

080704 Information Retrieval and Web Search

080705 Informetrics

080706 Librarianship

080707 Organisation of Information and Knowledge Resources

080708 Records and Information Management (excl. Business Records and Information Management)

080709 Social and Community Informatics

080799 Library and Information Studies not elsewhere classified

#### Exclusions:

- a) Cheminformatics is included in Group 0304 Medicinal and Biomolecular Chemistry.
- b) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- c) Organisation of information systems is included in Group 0806 Information Systems.
- d) Business records and information management is included in Group 1503 Business and Management.
- e) Archival, repository and related studies is included in Group 2102 Curatorial and Related Studies.

## FIELDS OF RESEARCH *continued*

### DIVISION 08 INFORMATION AND COMPUTING SCIENCES *continued*

#### GROUP 0899 OTHER INFORMATION AND COMPUTING SCIENCES

This group covers information and computing sciences not elsewhere classified.

This group has one field:

089999 Information and Computing Sciences not elsewhere classified

#### **Exclusions:**

- a) Mathematics not associated with computer science is included in Division 01 Mathematical Sciences.
- b) Cheminformatics is included in Group 0304 Medicinal and Biomolecular Chemistry.
- c) The development of computer software, other than mathematics and bioinformatics software, which has applications to fields other than Division 08 Information and Computing Sciences is included in the appropriate divisions, e.g. computer modelling for atmospheric research is included in Division 04 Earth Sciences; software development for forest management is included in Division 07 Agricultural and Veterinary Sciences.
- d) Bioinformatics is included in Group 0601 Biochemistry and Cell Biology.
- e) Mechatronics for automotive engineering are included in Group 0902 Automotive Engineering.
- f) Signal processing and non-manufacturing robotics are included in Group 0906 Electrical and Electronic Engineering.
- g) Geospatial information systems are included in Group 0909 Geomatic Engineering.
- h) Manufacturing robotics, mechatronics (excluding automotive applications) and CAD/CAM systems are included in Group 0910 Manufacturing Engineering.
- i) Communications technologies are included in Group 1005 Communications Technologies.
- j) Development of computer hardware is included in Group 1006 Computer Hardware.
- k) Health information systems, including surveillance, are included in Group 1117 Public Health and Health Services.
- l) Business records and information management and business information systems are included in Group 1503 Business and Management.
- m) Computer perception, memory and attention are included in Group 1702 Cognitive Sciences.
- n) Computational linguistics is included in Group 2004 Linguistics.
- o) Archival, repository and related studies is included in Group 2102 Curatorial and Related Studies.
- p) History and philosophy of science is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 09 ENGINEERING**

This division covers engineering.

This division has sixteen groups:

- 0901 Aerospace Engineering
- 0902 Automotive Engineering
- 0903 Biomedical Engineering
- 0904 Chemical Engineering
- 0905 Civil Engineering
- 0906 Electrical and Electronic Engineering
- 0907 Environmental Engineering
- 0908 Food Sciences
- 0909 Geomatic Engineering
- 0910 Manufacturing Engineering
- 0911 Maritime Engineering
- 0912 Materials Engineering
- 0913 Mechanical Engineering
- 0914 Resources Engineering and Extractive Metallurgy
- 0915 Interdisciplinary Engineering
- 0999 Other Engineering

**Exclusions:**

- a) Control theory is included in Group 0102 Applied Mathematics.
- b) Physics, including space sciences, materials physics, optoelectronics and quantum electronics, is included Division 02 Physical Sciences.
- c) Chemistry, including materials chemistry and the theory and design of materials, is included in Division 03 Chemical Sciences.
- d) Earth sciences, including geophysics and hydrology, are included in Division 04 Earth Sciences.
- e) Environmental science, including carbon sequestration science, is included in Division 05 Environmental Sciences.
- f) Agricultural science, including agricultural hydrology and post-harvest packaging, transportation and storage of agricultural products, is included in Division 07 Agricultural and Veterinary Sciences.
- g) Information and software engineering are included in Division 08 Information and Computing Sciences.
- h) Biotechnology, nanotechnology and the development of computer hardware and communications technologies are included in Division 10 Technology.
- i) Materials used in dentistry are included in Group 1105 Dentistry.
- j) Human nutrition is included in Group 1111 Nutrition and Dietetics.
- k) Architectural acoustics is included in Group 1201 Architecture.
- l) Building science, construction management and quantity surveying are included in Group 1202 Building.
- m) Engineering design, other than chemical, environmental, materials, satellite, missile and space vehicle is included in Group 1204 Engineering Design.
- n) Transport planning is included in Group 1205 Urban and Regional Planning.
- o) Technical writing is included in Group 1903 Journalism and Professional Writing.
- p) History and philosophy of engineering is included in Group 2202 History and Philosophy of Specific Fields.



**DIVISION 09 ENGINEERING** *continued*

**GROUP 0901 AEROSPACE ENGINEERING**

This group covers aerospace engineering including avionics and aeronautical and astronomical engineering.

This group has nine fields:

- 090101 Aerodynamics (excl. Hypersonic Aerodynamics)
- 090102 Aerospace Materials
- 090103 Aerospace Structures
- 090104 Aircraft Performance and Flight Control Systems
- 090105 Avionics
- 090106 Flight Dynamics
- 090107 Hypersonic Propulsion and Hypersonic Aerodynamics
- 090108 Satellite, Space Vehicle and Missile Design and Testing
- 090199 Aerospace Engineering not elsewhere classified

**Exclusions:**

- a) Space sciences are included in Group 0201 Astronomical and Space Sciences.
- b) Transport engineering other than aerospace engineering is included in Group 0905 Civil Engineering.
- c) Remote sensing is included in Group 0909 Geomatic Engineering.
- d) Heat and mass transfer operations, fluidisation and fluid mechanics and turbulent flows are included in Group 0915 Interdisciplinary Engineering.
- e) Satellite communications are included in Group 1005 Communications Technologies.

**GROUP 0902 AUTOMOTIVE ENGINEERING**

This group covers automotive engineering.

It includes:

- materials for automotive applications;
- automotive applications of mechatronics;
- automotive combustion and fuel engineering; and
- automotive safety engineering.

This group has six fields:

- 090201 Automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)
- 090202 Automotive Engineering Materials
- 090203 Automotive Mechatronics
- 090204 Automotive Safety Engineering
- 090205 Hybrid Vehicles and Powertrains
- 090299 Automotive Engineering not elsewhere classified

**Exclusions:**

- a) Combustion and fuel engineering without automotive applications is included in Group 0904 Chemical Engineering.
- b) Transport engineering other than automotive engineering is included in Group 0905 Civil Engineering.
- c) Mechatronics without automotive applications is included in Group 0910 Manufacturing Engineering.
- d) Materials engineering without automotive applications is included in Group 0912 Materials Engineering.
- e) Fluidisation and fluid mechanics and turbulent flows are included in Group 0915 Interdisciplinary Engineering.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0903 BIOMEDICAL ENGINEERING**

This group covers biomedical engineering.

It includes:

- development of implants and prosthetics;
- development of surgical equipment and medical instrumentation; and
- development of biomaterials.

This group has six fields:

- 090301 Biomaterials
- 090302 Biomechanical Engineering
- 090303 Biomedical Instrumentation
- 090304 Medical Devices
- 090305 Rehabilitation Engineering
- 090399 Biomedical Engineering not elsewhere classified

**Exclusions:**

- a) Medical biotechnology is included in Group 1004 Medical Biotechnology.
- b) Other material sciences are included in Groups 0204 Condensed Matter Physics, 0302 Inorganic Chemistry, 0303 Macromolecular and Materials Chemistry, 0912 Materials Engineering, and 0914 Resources Engineering and Extractive Metallurgy.
- c) Materials used in dentistry are included in Group 1105 Dentistry.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0904 CHEMICAL ENGINEERING**

This group covers chemical engineering.

It includes:

- design;
- membrane and separation technologies;
- process control and simulation other than that associated with control engineering; and
- water treatment.

This group has eleven fields:

- 090401 Carbon Capture Engineering (excl. Sequestration)
- 090402 Catalytic Process Engineering
- 090403 Chemical Engineering Design
- 090404 Membrane and Separation Technologies
- 090405 Non-automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)
- 090406 Powder and Particle Technology
- 090407 Process Control and Simulation
- 090408 Rheology
- 090409 Wastewater Treatment Processes
- 090410 Water Treatment Processes
- 090499 Chemical Engineering not elsewhere classified

**Exclusions:**

- a) Chemistry is included in Division 03 Chemical Sciences.
- b) Carbon sequestration science is included in Group 0503 Soil Sciences.
- c) Combustion and fuel engineering for automotive applications is included in Group 0902 Automotive Engineering.
- d) Water resources and quality engineering are included in Group 0905 Civil Engineering.
- e) Process control and simulation associated with control engineering are included in Group 0913 Mechanical Engineering.
- f) Fluidisation and fluid mechanics and heat and mass transfer operations are included in Group 0915 Interdisciplinary Engineering.
- g) Biocatalysis is included in Group 1003 Industrial Biotechnology.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0905 CIVIL ENGINEERING**

This group covers civil engineering.

It includes:

- structural engineering;
- transport engineering (other than aerospace, automotive and maritime engineering);
- water and sanitary engineering; and
- construction engineering.

This group has ten fields:

- 090501 Civil Geotechnical Engineering
- 090502 Construction Engineering
- 090503 Construction Materials
- 090504 Earthquake Engineering
- 090505 Infrastructure Engineering and Asset Management
- 090506 Structural Engineering
- 090507 Transport Engineering
- 090508 Water Quality Engineering
- 090509 Water Resources Engineering
- 090599 Civil Engineering not elsewhere classified

**Exclusions:**

- a) Hydrology other than agricultural hydrology is included in Group 0406 Physical Geography and Environmental Geoscience.
- b) Agricultural hydrology is included in Group 0799 Other Agricultural and Veterinary Sciences.
- c) Aerospace engineering is included in Group 0901 Aerospace Engineering.
- d) Automotive engineering is included in Group 0902 Automotive Engineering.
- e) Water treatment processes are included in Group 0904 Chemical Engineering.
- f) Surveying is included in Group 0909 Geomatic Engineering.
- g) Maritime engineering is included in Group 0911 Maritime Engineering.
- h) Materials engineering without civil engineering applications is included in Group 0912 Materials Engineering.
- i) Geotechnical engineering associated with mining and mineral extraction is included in Group 0914 Resources Engineering and Extractive Metallurgy.
- j) Protection of infrastructure from climate change and environmental factors other than earthquakes is included in Group 0915 Interdisciplinary Engineering.
- k) Agricultural engineering is included in Group 0999 Other Engineering.
- l) Architectural acoustics is included in Group 1201 Architecture.
- m) Building science, construction management and quantity surveying are included in Group 1202 Building.
- n) Transport planning is included in Group 1205 Urban and Regional Planning.

## FIELDS OF RESEARCH *continued*

### DIVISION 09 ENGINEERING *continued*

#### GROUP 0906 ELECTRICAL AND ELECTRONIC ENGINEERING

This group covers electrical and electronic engineering, other than that associated with computer hardware and communication technologies. It includes signal processing.

This group has ten fields:

- 090601 Circuits and Systems
- 090602 Control Systems, Robotics and Automation
- 090603 Industrial Electronics
- 090604 Microelectronics and Integrated Circuits
- 090605 Photodetectors, Optical Sensors and Solar Cells
- 090606 Photonics and Electro-Optical Engineering (excl. Communications)
- 090607 Power and Energy Systems Engineering (excl. Renewable Power)
- 090608 Renewable Power and Energy Systems Engineering (excl. Solar Cells)
- 090609 Signal Processing
- 090699 Electrical and Electronic Engineering not elsewhere classified

#### Exclusions:

- a) Control theory is included in Group 0102 Applied Mathematics.
- b) Optoelectronics and quantum electronics are included in Group 0205 Optical Physics.
- c) Intelligent robotics is included in Group 0801 Artificial Intelligence and Image Processing.
- d) Robotics used in manufacturing is included in Group 0910 Manufacturing Engineering.
- e) Mechanical aspects of automation and control systems and energy generation, conversion and storage engineering are included in Group 0913 Mechanical Engineering.
- f) Electrical and electronic engineering associated with communications technologies are included in Group 1005 Communications Technologies.
- g) Electrical and electronic engineering associated with computer hardware is included in Group 1006 Computer Hardware.
- h) Molecular and organic electronics are included in Group 1007 Nanotechnology.

#### GROUP 0907 ENVIRONMENTAL ENGINEERING

This group covers environmental engineering.

This group has four fields:

- 090701 Environmental Engineering Design
- 090702 Environmental Engineering Modelling
- 090703 Environmental Technologies
- 090799 Environmental Engineering not elsewhere classified

#### Exclusions:

- a) Hydrology other than agricultural hydrology is included in Group 0406 Physical Geography and Environmental Geoscience.
- b) Environmental science is included in Division 05 Environmental Sciences.
- c) Agricultural hydrology is included in Group 0799 Other Agricultural and Veterinary Sciences.
- d) Protection of infrastructure from climate change and other environmental factors is included in Group 0915 Interdisciplinary Engineering.
- e) Environmental biotechnology, including bioremediation, is included in Group 1002 Environmental Biotechnology.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0908 FOOD SCIENCES**

This group covers the food sciences.

It includes:

- food chemistry and engineering, including wine;
- food processing, packaging and safety; and
- nutritional content and balance of food.

This group has seven fields:

- 090801 Food Chemistry and Molecular Gastronomy (excl. Wine)
- 090802 Food Engineering
- 090803 Food Nutritional Balance
- 090804 Food Packaging, Preservation and Safety
- 090805 Food Processing
- 090806 Wine Chemistry and Wine Sensory Science
- 090899 Food Sciences not elsewhere classified

**Exclusions:**

- a) Agricultural production is included in Division 07 Agricultural and Veterinary Sciences.
- b) Fermentation for non-food products is included in Group 1003 Industrial Biotechnology.
- c) Human nutrition is included in Group 1111 Nutrition and Dietetics.

**GROUP 0909 GEOMATIC ENGINEERING**

This group covers geomatic engineering.

It includes:

- surveying, including hydrographic surveying;
- remote sensing;
- geospatial information systems; and
- navigation and cartography.

This group has seven fields:

- 090901 Cartography
- 090902 Geodesy
- 090903 Geospatial Information Systems
- 090904 Navigation and Position Fixing
- 090905 Photogrammetry and Remote Sensing
- 090906 Surveying (incl. Hydrographic Surveying)
- 090999 Geomatic Engineering not elsewhere classified

**Exclusions:**

- a) Geophysics is included in Group 0404 Geophysics.
- b) Antennas for use in remote sensing are included in Group 1005 Communication Technologies.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0910 MANUFACTURING ENGINEERING**

This group covers manufacturing engineering.

It includes:

- manufacturing robotics and mechatronics, other than their automotive applications;
- flexible manufacturing systems;
- computer-aided design and computer-aided manufacture, also known as CAD/CAM;
- precision engineering; and
- packaging, storage and transportation.

This group has thirteen fields:

- 091001 CAD/CAM Systems
- 091002 Flexible Manufacturing Systems
- 091003 Machine Tools
- 091004 Machining
- 091005 Manufacturing Management
- 091006 Manufacturing Processes and Technologies (excl. Textiles)
- 091007 Manufacturing Robotics and Mechatronics (excl. Automotive Mechatronics)
- 091008 Manufacturing Safety and Quality
- 091009 Microtechnology
- 091010 Packaging, Storage and Transportation (excl. Food and Agricultural Products)
- 091011 Precision Engineering
- 091012 Textile Technology
- 091099 Manufacturing Engineering not elsewhere classified

**Exclusions:**

- a) Post-harvest packaging, transportation and storage of agricultural products are included in Division 07 Agricultural and Veterinary Sciences.
- b) Automotive engineering and automotive mechatronics are included in Group 0902 Automotive Engineering.
- c) Membrane and separation technologies are included in Group 0904 Chemical Engineering.
- d) Non-manufacturing applications of robotics are included in Group 0906 Electrical and Electronic Engineering.
- e) Food packaging, preservation and safety are included in Group 0908 Food Sciences.
- f) Heat and mass transfer operations, fluidisation and fluid mechanics and turbulent flows are included in Group 0915 Interdisciplinary Engineering.
- g) Applications of biosensors to manufacturing are included in Group 1003 Industrial Biotechnology.

## FIELDS OF RESEARCH *continued*

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### **DIVISION 09 ENGINEERING** *continued*

#### **GROUP 0911 MARITIME ENGINEERING**

This group covers maritime engineering.

This group has seven fields:

- 091101 Marine Engineering
- 091102 Naval Architecture
- 091103 Ocean Engineering
- 091104 Ship and Platform Hydrodynamics
- 091105 Ship and Platform Structures
- 091106 Special Vehicles
- 091199 Maritime Engineering not elsewhere classified

#### **Exclusions:**

- a) Transport engineering other than aerospace engineering is included in Group 0905 Civil Engineering.
- b) Fluidisation and fluid mechanics and turbulent flows are included in Group 0915 Interdisciplinary Engineering.



**DIVISION 09 ENGINEERING** *continued*

**GROUP 0912 MATERIALS ENGINEERING**

This group covers materials engineering.

It includes:

- ceramics science and ceramics engineering;
- polymer and textiles engineering;
- composite and hybrid materials;
- physical metallurgy and alloy materials;
- functional materials; and
- semiconductor engineering.

This group has eleven fields:

- 091201 Ceramics
- 091202 Composite and Hybrid Materials
- 091203 Compound Semiconductors
- 091204 Elemental Semiconductors
- 091205 Functional Materials
- 091206 Glass
- 091207 Metals and Alloy Materials
- 091208 Organic Semiconductors
- 091209 Polymers and Plastics
- 091210 Timber, Pulp and Paper
- 091299 Materials Engineering not elsewhere classified

**Exclusions:**

- a) Materials physics is included in Group 0204 Condensed Matter Physics.
- b) Materials chemistry, including the theory and design of materials, is included in Group 0303 Macromolecular and Materials Chemistry.
- c) Engineering of materials for automotive applications are included in Group 0902 Automotive Engineering.
- d) Biomaterials are included in Group 0903 Biomedical Engineering.
- e) Powder and particle technology is included in Group 0904 Chemical Engineering.
- f) Construction materials are included in Group 0905 Civil Engineering.
- g) Extractive metallurgy is included in Group 0914 Resource Engineering and Extractive Metallurgy.
- h) Nanomaterials, molecular and organic electronics and nanotechnology are included in Group 1007 Nanotechnology.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0913 MECHANICAL ENGINEERING**

This group covers mechanical engineering.

It includes:

- acoustics, noise and vibration control;
- mechanical aspects of automation and control engineering; and
- energy generation, conversion and storage.

This group has ten fields:

- 091301 Acoustics and Noise Control (excl. Architectural Acoustics)
- 091302 Automation and Control Engineering
- 091303 Autonomous Vehicles
- 091304 Dynamics, Vibration and Vibration Control
- 091305 Energy Generation, Conversion and Storage Engineering
- 091306 Microelectromechanical Systems (MEMS)
- 091307 Numerical Modelling and Mechanical Characterisation
- 091308 Solid Mechanics
- 091309 Tribology
- 091399 Mechanical Engineering not elsewhere classified

**Exclusions:**

- a) Control theory is included in Group 0102 Applied Mathematics.
- b) Electrical aspects of automation and control engineering and energy generation from solar cells are included in Group 0906 Electrical and Electronic Engineering.
- c) Heat and mass transfer operations, fluidisation and fluid mechanics and turbulent flows are included in Group 0915 Interdisciplinary Engineering.
- d) Nanoelectromechanical Systems (NEMS) are included in Group 1007 Nanotechnology.
- e) Architectural acoustics is included in Group 1201 Architecture.

**DIVISION 09 ENGINEERING** *continued*

**GROUP 0914 RESOURCES ENGINEERING AND EXTRACTIVE METALLURGY**

This group covers resources engineering and extractive metallurgy.

It includes:

- mining engineering;
- mineral processing;
- petroleum and reservoir engineering; and
- geomechanics and geotechnical engineering associated with mining and mineral extraction.

This group has eight fields:

- 091401 Electrometallurgy
- 091402 Geomechanics and Resources Geotechnical Engineering
- 091403 Hydrometallurgy
- 091404 Mineral Processing/Beneficiation
- 091405 Mining Engineering
- 091406 Petroleum and Reservoir Engineering
- 091407 Pyrometallurgy
- 091499 Resources Engineering and Extractive Metallurgy not elsewhere classified

**Exclusions:**

- a) Earth sciences are included in Division 04 Earth Sciences.
- b) Geotechnical engineering associated with civil engineering is included in Group 0905 Civil Engineering.
- c) Physical metallurgy is included in Group 0912 Materials Engineering.
- d) Uranium processing and enrichment is included in Group 0915 Interdisciplinary Engineering.

## FIELDS OF RESEARCH *continued*

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### DIVISION 09 ENGINEERING *continued*

#### GROUP 0915 INTERDISCIPLINARY ENGINEERING

This group covers interdisciplinary engineering.

It includes:

- fluid mechanics and computational fluid dynamics;
- heat and mass transfer;
- engineering practice;
- engineering associated with the development of nuclear power and the nuclear fuel cycle;
- engineering associated with the mitigation of risk from climate change and other environmental factors; and
- turbulent flows.

This group has nine fields:

091501 Computational Fluid Dynamics

091502 Computational Heat Transfer

091503 Engineering Practice

091504 Fluidisation and Fluid Mechanics

091505 Heat and Mass Transfer Operations

091506 Nuclear Engineering (incl. Fuel Enrichment and Waste Processing and Storage)

091507 Risk Engineering (excl. Earthquake Engineering)

091508 Turbulent Flows

091599 Interdisciplinary Engineering not elsewhere classified

#### Exclusions:

- a) Aerodynamics is included in Group 0901 Aerospace Engineering.
- b) Earthquake engineering is included in Group 0905 Civil Engineering.
- c) Environmental engineering is included in Group 0907 Environmental Engineering.
- d) Nanotechnology is included in Group 1007 Nanotechnology.

## FIELDS OF RESEARCH *continued*

### DIVISION 09 ENGINEERING *continued*

#### GROUP 0999 OTHER ENGINEERING

This group covers engineering not elsewhere classified. It includes agricultural engineering and engineering instrumentation.

This group has three fields:

- 099901 Agricultural Engineering
- 099902 Engineering Instrumentation
- 099999 Engineering not elsewhere classified

#### **Exclusions:**

- a) Control theory is included in Group 0102 Applied Mathematics.
- b) Physics, including space sciences, materials physics, optoelectronics and quantum electronics, is included Division 02 Physical Sciences.
- c) Chemistry, including materials chemistry and the theory and design of materials, is included in Division 03 Chemical Sciences.
- d) Earth sciences, including geophysics and hydrology, are included in Division 04 Earth Sciences.
- e) Environmental science, including carbon sequestration science, is included in Division 05 Environmental Sciences.
- f) Animal food, agricultural hydrology and post-harvest packaging, transportation and storage of agricultural products are included in Division 07 Agricultural and Veterinary Sciences.
- g) Information and software engineering are included in Division 08 Information and Computing Sciences.
- h) Biotechnology, nanotechnology and the development of computer hardware and communications technologies are included in Division 10 Technology.
- i) Materials used in dentistry are included in Group 1105 Dentistry.
- j) Human nutrition is included in Group 1111 Nutrition and Dietetics.
- k) Architectural acoustics is included in Group 1201 Architecture.
- l) Building science, construction management and quantity surveying are included in Group 1202 Building.
- m) Engineering design, other than chemical, environmental, materials, satellite, missile and space vehicle is included in Group 1204 Engineering Design.
- n) Transport planning is included in Group 1205 Urban and Regional Planning.
- o) Technical writing is included in Group 1903 Journalism and Professional Writing.
- p) History and philosophy of engineering is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 10 TECHNOLOGY**

This division covers technology. For the purposes of this classification, technology R&D is defined as the application of science and engineering knowledge to the development of tools and techniques which have wide application in other fields of R&D and/or in society more generally.

It includes:

- biotechnology;
- communications technologies;
- computer hardware; and
- nanotechnology.

This division has eight groups:

- 1001 Agricultural Biotechnology
- 1002 Environmental Biotechnology
- 1003 Industrial Biotechnology
- 1004 Medical Biotechnology
- 1005 Communications Technologies
- 1006 Computer Hardware
- 1007 Nanotechnology
- 1099 Other Technology

**Exclusions:**

- a) Mathematics and statistics are included in Division 01 Mathematical Sciences.
- b) Photonics, optoelectronics and optical communications are included in Group 0205 Optical Physics.
- c) Quantum communication is included in Group 0206 Quantum Physics.
- d) Nanochemistry is included in Group 0303 Macromolecular and Materials Chemistry.
- e) Environmental science is included in Division 05 Environmental Sciences.
- f) Improvement of plants and animals through selective breeding is included in Division 07 Agricultural and Veterinary Sciences.
- g) Information technology not directly associated with computer hardware is included in Division 08 Information and Computing Sciences.
- h) Engineering, including aerospace, biomedical and environmental engineering and remote sensing, is included in Division 09 Engineering.
- i) Assisted reproduction technologies are included in Group 1114 Paediatrics and Reproductive Medicine.
- j) Pharmacogenomics is included in Group 1115 Pharmacology and Pharmaceutical Sciences.
- k) Ethical use of technology is included in Group 2201 Applied Ethics.
- l) History and philosophy of technology is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1001 AGRICULTURAL BIOTECHNOLOGY**

This group covers agricultural biotechnology.

It includes:

- marine biotechnology;
- genetic modification of plants and animals for agricultural production; and
- livestock cloning and transgenesis.

This group has ten fields:

- 100101 Agricultural Biotechnology Diagnostics (incl. Biosensors)
- 100102 Agricultural Marine Biotechnology
- 100103 Agricultural Molecular Engineering of Nucleic Acids and Proteins
- 100104 Genetically Modified Animals
- 100105 Genetically Modified Field Crops and Pasture
- 100106 Genetically Modified Horticulture Plants
- 100107 Genetically Modified Trees
- 100108 Livestock Cloning
- 100109 Transgenesis
- 100199 Agricultural Biotechnology not elsewhere classified

**Exclusions:**

- a) Improvement of plants and animals through selective breeding is included in Division 07 Agricultural and Veterinary Sciences.
- b) Genetic modification of plants, microbes or animals for environmental purposes and biological control of pests, diseases and exotics species is included in Group 1002 Environmental Biotechnology.
- c) Genetic modification of plants, microbes or animals for industrial purposes (other than agriculture) is included in Group 1003 Industrial Biotechnology.
- d) Genetic modification of plants, microbes or animals for medical purposes is included in Group 1004 Medical Biotechnology.
- e) Nanobiotechnology is included in Group 1007 Nanotechnology.
- f) Ethical use of biotechnology is included in Group 2201 Applied Ethics.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1002 ENVIRONMENTAL BIOTECHNOLOGY**

This group covers environmental biotechnology.

It includes:

- biodiscovery;
- biological control; and
- bioremediation.

This group has seven fields:

- 100201 Biodiscovery
- 100202 Biological Control
- 100203 Bioremediation
- 100204 Environmental Biotechnology Diagnostics (incl. Biosensors)
- 100205 Environmental Marine Biotechnology
- 100206 Environmental Molecular Engineering of Nucleic Acids and Proteins
- 100299 Environmental Biotechnology not elsewhere classified

**Exclusions:**

- a) Environmental science is included in Division 05 Environmental Sciences.
- b) Environmental engineering is included in Group 0907 Environmental Engineering.
- c) Genetic modification of plants, microbes or animals for agricultural purposes is included in Group 1001 Agricultural Biotechnology.
- d) Genetic modification of plants, microbes or animals for industrial purposes (other than agriculture) is included in Group 1003 Industrial Biotechnology.
- e) Genetic modification of plants, microbes or animals for medical purposes is included in Group 1004 Medical Biotechnology.
- f) Nanobiotechnology is included in Group 1007 Nanotechnology.
- g) Ethical use of biotechnology is included in Group 2201 Applied Ethics.



**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1003 INDUSTRIAL BIOTECHNOLOGY**

This group covers industrial biotechnology.

It includes:

- biocatalysis;
- bioprocessing and bioproducts;
- fermentation other than for foodstuffs;
- biofeedstocks; and
- industrial biotechnology

This group has seven fields:

- 100301 Biocatalysis and Enzyme Technology
- 100302 Bioprocessing, Bioproduction and Bioproducts
- 100303 Fermentation
- 100304 Industrial Biotechnology Diagnostics (incl. Biosensors)
- 100305 Industrial Microbiology (incl. Biofeedstocks)
- 100306 Industrial Molecular Engineering of Nucleic Acids and Proteins
- 100399 Industrial Biotechnology not elsewhere classified

**Exclusions:**

- a) Catalysis without a biological component is included in Group 0904 Chemical Engineering.
- b) Fermentation for the production of foodstuffs is included in Group 0908 Food Sciences.
- c) Genetic modification of plants, microbes or animals for agricultural purposes is included in Group 1001 Agricultural Biotechnology.
- d) Genetic modification of plants, microbes or animals for environmental purposes is included in Group 1002 Environmental Biotechnology.
- e) Genetic modification of plants, microbes or animals for medical purposes is included in Group 1004 Medical Biotechnology.
- f) Nanobiotechnology is included in Group 1007 Nanotechnology.
- g) Ethical use of biotechnology is included in Group 2201 Applied Ethics.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1004 MEDICAL BIOTECHNOLOGY**

This group covers medical biotechnology.

This group has five fields:

- 100401 Gene and Molecular Therapy
- 100402 Medical Biotechnology Diagnostics (incl. Biosensors)
- 100403 Medical Molecular Engineering of Nucleic Acids and Proteins
- 100404 Regenerative Medicine (incl. Stem Cells and Tissue Engineering)
- 100499 Medical Biotechnology not elsewhere classified

**Exclusions:**

- a) Biomaterials are included in Group 0903 Biomedical Engineering.
- b) Genetic modification of plants, microbes or animals for agricultural purposes is included in Group 1001 Agricultural Biotechnology.
- c) Genetic modification of plants, microbes or animals for environmental purposes is included in Group 1002 Environmental Biotechnology.
- d) Genetic modification of plants, microbes or animals for industrial purposes is included in Group 1003 Industrial Biotechnology.
- e) Nanomedicine and nanobiotechnology is included in Group 1007 Nanotechnology.
- f) Medical biochemistry and metabolomics is included in Group 1101 Medical Biochemistry and Metabolomics.
- g) Assisted reproduction technologies are included in Group 1114 Paediatrics and Reproductive Medicine.
- h) Pharmacogenomics is included in Group 1115 Pharmacology and Pharmaceutical Sciences.
- i) Ethical use of biotechnology is included in Group 2201 Applied Ethics.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1005 COMMUNICATIONS TECHNOLOGIES**

This group covers technologies supporting communication and communication systems.

It includes:

- communications networks and analysis;
- communication and broadcasting systems;
- digital systems, optical and photonic systems;
- antenna technology (including that used in remote sensing and satellites); and
- microwave and millimetrewave technology.

This group has eleven fields:

- 100501 Antennas and Propagation
- 100502 Broadband and Modem Technology
- 100503 Computer Communications Networks
- 100504 Data Communications
- 100505 Microwave and Millimetrewave Theory and Technology
- 100506 Optical Fibre Communications
- 100507 Optical Networks and Systems
- 100508 Satellite Communications
- 100509 Video Communications
- 100510 Wireless Communications
- 100599 Communications Technologies not elsewhere classified

**Exclusions:**

- a) Photonics, optoelectronics and optical communications is included in Group 0205 Optical Physics.
- b) Quantum communication is included in Group 0206 Quantum Physics.
- c) Data encryption is included in Group 0804 Data Format.
- d) Satellite and space vehicle design and testing is included in Group 0901 Aerospace Engineering.
- e) Remote sensing is included in Group 0909 Geomatic Engineering.

## FIELDS OF RESEARCH *continued*

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### DIVISION 10 TECHNOLOGY *continued*

#### GROUP 1006 COMPUTER HARDWARE

This group covers the development of computer hardware.

It includes:

- development of physical components for personal computers, mainframes and computer peripherals;
- development of circuit boards and hardware assemblies of computing devices; and
- development of multiplexers, computer peripherals and computer accessories.

This group has seven fields:

- 100601 Arithmetic and Logic Structures
- 100602 Input, Output and Data Devices
- 100603 Logic Design
- 100604 Memory Structures
- 100605 Performance Evaluation; Testing and Simulation of Reliability
- 100606 Processor Architectures
- 100699 Computer Hardware not elsewhere classified

#### **Exclusions:**

- a) Optoelectronics is included in Group 0205 Optical Physics.
- b) Computer software development is included in Group 0803 Computer Software.
- c) Integrated circuits developed for other devices are included in Group 0906 Electrical and Electronic Engineering.
- d) Modems and computer communication networks are included in Group 1005 Communications Technologies.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1007 NANOTECHNOLOGY**

This group covers nanotechnology.

It includes:

- molecular and organic electronics;
- nanobiotechnology;
- nanomedicine;
- nanoscale characterisation; and
- health and safety aspects of nanotechnology and nanotoxicology.

This group has fourteen fields:

- 100701 Environmental Nanotechnology
- 100702 Molecular and Organic Electronics
- 100703 Nanobiotechnology
- 100704 Nanoelectromechanical Systems
- 100705 Nanoelectronics
- 100706 Nanofabrication, Growth and Self Assembly
- 100707 Nanomanufacturing
- 100708 Nanomaterials
- 100709 Nanomedicine
- 100710 Nanometrology
- 100711 Nanophotonics
- 100712 Nanoscale Characterisation
- 100713 Nanotoxicology, Health and Safety
- 100799 Nanotechnology not elsewhere classified

**Exclusions:**

- a) Nanochemistry is included in Group 0303 Macromolecular and Materials Chemistry.
- b) Environmental science is included in Division 05 Environmental Sciences.
- c) Materials engineering is included in Group 0912 Materials Engineering.
- d) Microelectromechanical Systems (MEMS) are included in Group 0913 Mechanical Engineering.
- e) Ethical use of nanotechnology is included in Group 2201 Applied Ethics.

**DIVISION 10 TECHNOLOGY** *continued*

**GROUP 1099 OTHER TECHNOLOGY**

This group covers technology not elsewhere classified.

This group has one field:

109999 Technology not elsewhere classified

**Exclusions:**

- a) Mathematics and statistics are included in Division 01 Mathematical Sciences.
- b) Photonics, optoelectronics and optical communications are included in Group 0205 Optical Physics.
- c) Quantum communication is included in Group 0206 Quantum Physics.
- d) Nanochemistry is included in Group 0303 Macromolecular and Materials Chemistry.
- e) Environmental science is included in Division 05 Environmental Sciences.
- f) Improvement of plants and animals through selective breeding is included in Division 07 Agricultural and Veterinary Sciences.
- g) Information technology not directly associated with computer hardware is included in Division 08 Information and Computing Sciences.
- h) Engineering, including aerospace, biomedical and environmental engineering and remote sensing, is included in Division 09 Engineering.
- i) Assisted reproduction technologies are included in Group 1114 Paediatrics and Reproductive Medicine.
- j) Pharmacogenomics is included in Group 1115 Pharmacology and Pharmaceutical Sciences.
- k) Ethical use of technology is included in Group 2201 Applied Ethics.
- l) History and philosophy of technology is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 11 MEDICAL AND HEALTH SCIENCES**

This division covers the medical and health sciences.

This division has eighteen groups:

- 1101 Medical Biochemistry and Metabolomics
- 1102 Cardiorespiratory Medicine and Haematology
- 1103 Clinical Sciences
- 1104 Complementary and Alternative Medicine
- 1105 Dentistry
- 1106 Human Movement and Sports Science
- 1107 Immunology
- 1108 Medical Microbiology
- 1109 Neurosciences
- 1110 Nursing
- 1111 Nutrition and Dietetics
- 1112 Oncology and Carcinogenesis
- 1113 Ophthalmology and Optometry
- 1114 Paediatrics and Reproductive Medicine
- 1115 Pharmacology and Pharmaceutical Sciences
- 1116 Medical Physiology
- 1117 Public Health and Health Services
- 1199 Other Medical and Health Sciences

**Exclusions:**

- a) Medical physics, biophysics unrelated to humans and accelerators and other equipment for the production of radioisotopes for nuclear medicine are included in Group 0299 Other Physical Sciences.
- b) Medicinal and biomolecular chemistry is included in Group 0304 Medicinal and Biomolecular Chemistry.
- c) Biological sciences without application to human health and disease are included in the appropriate groups in Division 06 Biological Sciences.
- d) Biological and life sciences associated with agricultural and veterinary studies are included in Division 07 Agricultural and Veterinary Sciences.
- e) Health informatics is included in Group 0807 Library and Information Studies.
- f) Biomedical engineering is included in Group 0903 Biomedical Engineering.
- g) Nutritional content and balance of foods is included in Group 0908 Food Sciences.
- h) Medical biotechnology is included in Group 1004 Medical Biotechnology.
- i) Nanomedicine is included in Group 1007 Nanotechnology.
- j) Ergonomics is included in Group 1203 Design Practice and Management.
- k) Health economics is included in Group 1402 Applied Economics.
- l) Demography is included in Group 1603 Demography.
- m) Health policy is included in Group 1605 Policy and Administration.
- n) Psychology, including biological psychology and sport and exercise psychology, is included in Group 1701 Psychology.
- o) Neurocognitive patterns and neural networks are included in Group 1702 Cognitive Sciences.
- p) Music therapy is included in Group 1904 Performing Arts and Creative Writing.
- q) Human and animal bioethics and medical ethics are included in Group 2201 Applied Ethics.
- r) History and philosophy of medicine is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

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### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1101 MEDICAL BIOCHEMISTRY AND METABOLOMICS

This group covers human biochemistry or the chemistry of human living organisms and the human life process. It includes proteomics, metabolomics and metabolic medicine.

This group has eight fields:

- 110101 Medical Biochemistry: Amino Acids and Metabolites
- 110102 Medical Biochemistry: Carbohydrates
- 110103 Medical Biochemistry: Inorganic Elements and Compounds
- 110104 Medical Biochemistry: Lipids
- 110105 Medical Biochemistry: Nucleic Acids
- 110106 Medical Biochemistry: Proteins and Peptides (incl. Medical Proteomics)
- 110107 Metabolic Medicine
- 110199 Medical Biochemistry and Metabolomics not elsewhere classified

#### Exclusions:

- a) Medicinal and biomolecular chemistry is included in Group 0304 Medicinal and Biomolecular Chemistry.
- b) Biochemistry of species other than human or non-agricultural plant and biochemistry not related to medicine or health are included in Group 0601 Biochemistry and Cell Biology.
- c) Biochemistry of agricultural plants is included in Groups 0703 Crop and Pasture Production and 0706 Horticultural Production.
- d) Clinical chemistry and hormonal control of metabolism is included in Group 1103 Clinical Sciences.
- e) Nutrition and dietetics is included in Group 1111 Nutrition and Dietetics.

#### GROUP 1102 CARDIORESPIRATORY MEDICINE AND HAEMATOLOGY

This group covers cardiorespiratory medicine and haematology.

This group has four fields:

- 110201 Cardiology (incl. Cardiovascular Diseases)
- 110202 Haematology
- 110203 Respiratory Diseases
- 110299 Cardiorespiratory Medicine and Haematology not elsewhere classified

#### Exclusions:

- a) Pathology is included in Group 1103 Clinical Sciences.



## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1103 CLINICAL SCIENCES

This group covers specific clinical aspects of medicine, including causes, diagnosis, treatment and management of specific diseases and conditions.

This group has twenty-five fields:

- 110301 Anaesthesiology
- 110302 Clinical Chemistry (diagnostics)
- 110303 Clinical Microbiology
- 110304 Dermatology
- 110305 Emergency Medicine
- 110306 Endocrinology
- 110307 Gastroenterology and Hepatology
- 110308 Geriatrics and Gerontology
- 110309 Infectious Diseases
- 110310 Intensive Care
- 110311 Medical Genetics (excl. Cancer Genetics)
- 110312 Nephrology and Urology
- 110313 Nuclear Medicine
- 110314 Orthopaedics
- 110315 Otorhinolaryngology
- 110316 Pathology (excl. Oral Pathology)
- 110317 Physiotherapy
- 110318 Podiatry
- 110319 Psychiatry (incl. Psychotherapy)
- 110320 Radiology and Organ Imaging
- 110321 Rehabilitation and Therapy (excl. Physiotherapy)
- 110322 Rheumatology and Arthritis
- 110323 Surgery
- 110324 Venereology
- 110399 Clinical Sciences not elsewhere classified

#### Exclusions:

- a) Accelerators and other equipment for the production of radioisotopes for nuclear medicine are included in Group 0299 Other Physical Sciences.
- b) Anthropological genetics is included in Group 0604 Genetics.
- c) Medical biochemistry, cardiorespiratory medicine, dentistry, immunology, medical microbiology, neurosciences, oncology, ophthalmology, paediatrics, pharmacology and medical physiology are included in other groups in Division 11 Medical and Health Sciences.
- d) Oral pathology is included in Group 1105 Dentistry.
- e) Radiotherapy and cancer genetics is included in Group 1112 Oncology and Carcinogenesis.
- f) Psychology is included in Group 1701 Psychology.

## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1104 COMPLEMENTARY AND ALTERNATIVE MEDICINE

This group covers complementary and alternative medicine.

This group has six fields:

- 110401 Chiropractic
- 110402 Naturopathy
- 110403 Traditional Aboriginal and Torres Strait Islander Medicine and Treatments
- 110404 Traditional Chinese Medicine and Treatments
- 110405 Traditional Māori Medicine and Treatments
- 110499 Complementary and Alternative Medicine not elsewhere classified

#### GROUP 1105 DENTISTRY

This group covers dentistry.

This group has ten fields:

- 110501 Dental Materials and Equipment
- 110502 Dental Therapeutics, Pharmacology and Toxicology
- 110503 Endodontics
- 110504 Oral and Maxillofacial Surgery
- 110505 Oral Medicine and Pathology
- 110506 Orthodontics and Dentofacial Orthopaedics
- 110507 Paedodontics
- 110508 Periodontics
- 110509 Special Needs Dentistry
- 110599 Dentistry not elsewhere classified

#### Exclusions:

- a) Biomaterials not solely restricted to dental use are included in Group 0903 Biomedical Engineering.

#### GROUP 1106 HUMAN MOVEMENT AND SPORTS SCIENCE

This group covers human movement and sports science.

This group has five fields:

- 110601 Biomechanics
- 110602 Exercise Physiology
- 110603 Motor Control
- 110604 Sports Medicine
- 110699 Human Movement and Sports Science not elsewhere classified

#### Exclusions:

- a) Sports nutrition is included in Group 1111 Nutrition and Dietetics.
- b) Human physiology unrelated to sport and exercise physiology is included in Group 1116 Medical Physiology.
- c) Sport and exercise psychology is included in Group 1701 Psychology.

## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1107 IMMUNOLOGY

This group covers the processes and reactions of the human immune system.

This group has ten fields:

- 110701 Allergy
- 110702 Applied Immunology (incl. Antibody Engineering, Xenotransplantation and T-cell Therapies)
- 110703 Autoimmunity
- 110704 Cellular Immunology
- 110705 Humoural Immunology and Immunochemistry
- 110706 Immunogenetics (incl. Genetic Immunology)
- 110707 Innate Immunity
- 110708 Transplantation Immunology
- 110709 Tumour Immunology
- 110799 Immunology not elsewhere classified

#### Exclusions:

- a) Specific human disorders or diseases are included in Group 1103 Clinical Sciences.

#### GROUP 1108 MEDICAL MICROBIOLOGY

This group covers microbiology associated with human health and disease, other than clinical microbiology.

This group has five fields:

- 110801 Medical Bacteriology
- 110802 Medical Infection Agents (incl. Prions)
- 110803 Medical Parasitology
- 110804 Medical Virology
- 110899 Medical Microbiology not elsewhere classified

#### Exclusions:

- a) Microbiology unrelated to human medicine is included in Group 0605 Microbiology.
- b) Microbiology related to veterinary practice is included in Group 0707 Veterinary Sciences.
- c) Clinical microbiology is included in Group 1103 Clinical Sciences.

#### GROUP 1109 NEUROSCIENCES

This group covers processes and reactions of the human nervous system. It includes neurology and neuromuscular disease.

This group has seven fields:

- 110901 Autonomic Nervous System
- 110902 Cellular Nervous System
- 110903 Central Nervous System
- 110904 Neurology and Neuromuscular Diseases
- 110905 Peripheral Nervous System
- 110906 Sensory Systems
- 110999 Neurosciences not elsewhere classified

#### Exclusions:

- a) Psychiatry and psychotherapy are included in Group 1103 Clinical Sciences.
- b) Biological psychology is included in Group 1701 Psychology.
- c) Neurocognitive patterns and neural networks are included in Group 1702 Cognitive Sciences.

## FIELDS OF RESEARCH *continued*

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### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1110 NURSING

This group covers nursing.

This group has seven fields:

- 111001 Aged Care Nursing
- 111002 Clinical Nursing: Primary (Preventative)
- 111003 Clinical Nursing: Secondary (Acute Care)
- 111004 Clinical Nursing: Tertiary (Rehabilitative)
- 111005 Mental Health Nursing
- 111006 Midwifery
- 111099 Nursing not elsewhere classified

#### Exclusions:

- a) Public health, including aged, disabled, family and residential client care, is included in Group 1117 Public Health and Health Services.

#### GROUP 1111 NUTRITION AND DIETETICS

This group covers nutrition and dietetics.

This group has five fields:

- 111101 Clinical and Sports Nutrition
- 111102 Dietetics and Nutrigenomics
- 111103 Nutritional Physiology
- 111104 Public Nutrition Intervention
- 111199 Nutrition and Dietetics not elsewhere classified

#### Exclusions:

- a) Nutritional content and balance of foods is included in Group 0908 Food Sciences.
- b) Metabolism is included in Group 1101 Medical Biochemistry and Metabolomics.

## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1112 ONCOLOGY AND CARCINOGENESIS

This group covers oncology and carcinogenesis.

It includes:

- cancer cell biology;
- cancer diagnosis; and
- cancer therapy.

This group has ten fields:

- 111201 Cancer Cell Biology
- 111202 Cancer Diagnosis
- 111203 Cancer Genetics
- 111204 Cancer Therapy (excl. Chemotherapy and Radiation Therapy)
- 111205 Chemotherapy
- 111206 Haematological Tumours
- 111207 Molecular Targets
- 111208 Radiation Therapy
- 111209 Solid Tumours
- 111299 Oncology and Carcinogenesis not elsewhere classified

#### Exclusions:

- a) Accelerators and other equipment for the production of radiation or radioisotopes for radiation therapy are included in Group 0299 Other Physical Sciences.
- b) Medical genetics other than cancer genetics is included in Group 1103 Clinical Sciences.
- c) Tumour immunology is included in Group 1107 Immunology.

#### GROUP 1113 OPHTHALMOLOGY AND OPTOMETRY

This group covers ophthalmology and optometry.

This group has four fields:

- 111301 Ophthalmology
- 111302 Optical Technology
- 111303 Vision Science
- 111399 Ophthalmology and Optometry not elsewhere classified

## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1114 PAEDIATRICS AND REPRODUCTIVE MEDICINE

This group covers paediatrics and reproductive medicine.

It includes:

- assisted reproduction;
- foetal development and medicine; and
- obstetrics and gynaecology.

This group has five fields:

- 111401 Foetal Development and Medicine
- 111402 Obstetrics and Gynaecology
- 111403 Paediatrics
- 111404 Reproduction
- 111499 Paediatrics and Reproductive Medicine not elsewhere classified

#### Exclusions:

- a) Stem cells and tissue engineering are included in Group 1004 Medical Biotechnology.

#### GROUP 1115 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES

This group covers the preparation, properties, uses and actions of drugs for medical uses. It includes pharmacogenomics.

This group has seven fields:

- 111501 Basic Pharmacology
- 111502 Clinical Pharmacology and Therapeutics
- 111503 Clinical Pharmacy and Pharmacy Practice
- 111504 Pharmaceutical Sciences
- 111505 Pharmacogenomics
- 111506 Toxicology (incl. Clinical Toxicology)
- 111599 Pharmacology and Pharmaceutical Sciences not elsewhere classified

#### Exclusions:

- a) Medicinal chemistry is included in Group 0304 Medicinal and Biomolecular Chemistry.
- b) Pharmacology for veterinary use is included in Group 0707 Veterinary Sciences.
- c) Dental therapeutics, pharmacology and toxicology are included in Group 1105 Dentistry.

## FIELDS OF RESEARCH *continued*

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### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1116 MEDICAL PHYSIOLOGY

This group covers the processes and function of the human body or the physical and chemical processes involved in the functioning of the human body and its component parts.

This group has four fields:

- 111601 Cell Physiology
- 111602 Human Biophysics
- 111603 Systems Physiology
- 111699 Medical Physiology not elsewhere classified

#### **Exclusions:**

- a) Medical physics and biophysics unrelated to humans are included in Group 0299 Other Physical Sciences.
- b) Basic animal physiology and comparative physiology are included in Group 0606 Physiology.
- c) Physiology related to specific aspects of plant or animal production or veterinary practice is included in the appropriate groups in Division 07 Agricultural and Veterinary Sciences.
- d) Exercise physiology is included in Group 1106 Human Movement and Sports Science.
- e) Nutritional physiology is included in Group 1111 Nutrition and Dietetics.
- f) Physiological psychology is included in Group 1701 Psychology.

## FIELDS OF RESEARCH *continued*

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### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1117 PUBLIC HEALTH AND HEALTH SERVICES

This group covers the non-clinical aspects (e.g. statistical, administration, program evaluation, impact of lifestyle) of health and health care and the provision, administration and evaluation of health care services.

This group has nineteen fields:

- 111701 Aboriginal and Torres Strait Islander Health
- 111702 Aged Health Care
- 111703 Care for Disabled
- 111704 Community Child Health
- 111705 Environmental and Occupational Health and Safety
- 111706 Epidemiology
- 111707 Family Care
- 111708 Health and Community Services
- 111709 Health Care Administration
- 111710 Health Counselling
- 111711 Health Information Systems (incl. Surveillance)
- 111712 Health Promotion
- 111713 Māori Health
- 111714 Mental Health
- 111715 Pacific Peoples Health
- 111716 Preventive Medicine
- 111717 Primary Health Care
- 111718 Residential Client Care
- 111799 Public Health and Health Services not elsewhere classified

#### **Exclusions:**

- a) Health informatics is included in Group 0807 Library and Information Studies.
- b) Nursing is included in Group 1110 Nursing.
- c) Nutrition and public nutrition intervention is included in Group 1111 Nutrition and Dietetics.
- d) Health economics is included in Group 1402 Applied Economics.
- e) Demography is included in Group 1603 Demography.
- f) Health policy is included in Group 1605 Policy and Administration.
- g) Human bioethics and medical ethics are included in Group 2201 Applied Ethics.



## FIELDS OF RESEARCH *continued*

### DIVISION 11 MEDICAL AND HEALTH SCIENCES *continued*

#### GROUP 1199 OTHER MEDICAL AND HEALTH SCIENCES

This group covers medical and health sciences not elsewhere classified.

This group has one field:

119999 Medical and Health Sciences not elsewhere classified

#### **Exclusions:**

- a) Medical physics, biophysics unrelated to humans and accelerators and other equipment for the production of radioisotopes for nuclear medicine are included in Group 0299 Other Physical Sciences.
- b) Medicinal and biomolecular chemistry is included in Group 0304 Medicinal and Biomolecular Chemistry.
- c) Biological sciences without application to human health and disease are included in the appropriate groups in Division 06 Biological Sciences.
- d) Biological and life sciences associated with agricultural and veterinary studies are included in Division 07 Agricultural and Veterinary Sciences.
- e) Health informatics is included in Group 0807 Library and Information Studies.
- f) Biomedical engineering is included in Group 0903 Biomedical Engineering.
- g) Nutritional content and balance of foods is included in Group 0908 Food Sciences.
- h) Medical biotechnology is included in Group 1004 Medical Biotechnology.
- i) Nanomedicine is included in Group 1007 Nanotechnology.
- j) Ergonomics is included in Group 1203 Design Practice and Management.
- k) Health economics is included in Group 1402 Applied Economics.
- l) Demography is included in Group 1603 Demography.
- m) Health policy is included in Group 1605 Policy and Administration.
- n) Psychology, including biological psychology and sport and exercise psychology, is included in Group 1701 Psychology.
- o) Neurocognitive patterns and neural networks are included in Group 1702 Cognitive Sciences.
- p) Music therapy is included in Group 1904 Performing Arts and Creative Writing.
- q) Human and animal bioethics and medical ethics are included in Group 2201 Applied Ethics.
- r) History and philosophy of medicine is included in Group 2202 History and Philosophy of Specific Fields.

## **DIVISION 12 BUILT ENVIRONMENT AND DESIGN**

This division covers built environment and design.

It includes:

- architecture;
- building;
- design from both engineering and aesthetic perspectives; and
- urban and regional planning.

This division has six groups:

- 1201 Architecture
- 1202 Building
- 1203 Design Practice and Management
- 1204 Engineering Design
- 1205 Urban and Regional Planning
- 1299 Other Built Environment and Design

### **Exclusions:**

- a) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- b) Agricultural land use and planning is included in Group 0701 Agriculture, Land and Farm Management.
- c) Satellite, space vehicle and missile design are included in Group 0901 Aerospace Engineering.
- d) Chemical engineering design is included in Group 0904 Chemical Engineering.
- e) Civil engineering, including construction materials and transport engineering is included in Group 0905 Civil Engineering.
- f) Environmental engineering design is included in Group 0907 Environmental Engineering.
- g) Surveying is included in Group 0909 Geomatic Engineering.
- h) Urban and regional studies other than planning are included in Group 1604 Human Geography.
- i) Urban policy is included in Group 1605 Policy and Administration.
- j) Fine arts are included in Group 1905 Visual Arts and Crafts.

### **GROUP 1201 ARCHITECTURE**

This group covers architecture.

This group has eight fields:

- 120101 Architectural Design
- 120102 Architectural Heritage and Conservation
- 120103 Architectural History and Theory
- 120104 Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)
- 120105 Architecture Management
- 120106 Interior Design
- 120107 Landscape Architecture
- 120199 Architecture not elsewhere classified

### **Exclusions:**

- a) Construction and structural engineering are included in Group 0905 Civil Engineering.
- b) Building is included in Group 1202 Building.
- c) History and theory of the built environment other than architectural history and theory is included in Group 1205 Urban and Regional Planning.

**DIVISION 12 BUILT ENVIRONMENT AND DESIGN** *continued*

**GROUP 1202 BUILDING**

This group covers building.

This group has four fields:

- 120201 Building Construction Management and Project Planning
- 120202 Building Science and Techniques
- 120203 Quantity Surveying
- 120299 Building not elsewhere classified

**Exclusions:**

- a) Civil engineering, including construction materials and engineering and transport engineering is included in Group 0905 Civil Engineering.
- b) Surveying is included in Group 0909 Geomatic Engineering.

**GROUP 1203 DESIGN PRACTICE AND MANAGEMENT**

This group covers design practice and management.

It includes:

- design history and theory;
- ergonomics;
- industrial design;
- digital and interaction design;
- textile and fashion design; and
- visual communication and graphics design.

This group has eight fields:

- 120301 Design History and Theory
- 120302 Design Innovation
- 120303 Design Management and Studio and Professional Practice
- 120304 Digital and Interaction Design
- 120305 Industrial Design
- 120306 Textile and Fashion Design
- 120307 Visual Communication Design (incl. Graphic Design)
- 120399 Design Practice and Management not elsewhere classified

**Exclusions:**

- a) Architectural design and architectural history is included in Group 1201 Architecture.
- b) Engineering design is included in Group 1204 Engineering Design.
- c) Fine arts are included in Group 1905 Visual Arts and Crafts.

**DIVISION 12 BUILT ENVIRONMENT AND DESIGN** *continued*

**GROUP 1204 ENGINEERING DESIGN**

This group covers engineering design.

This group has six fields:

- 120401 Engineering Design Empirical Studies
- 120402 Engineering Design Knowledge
- 120403 Engineering Design Methods
- 120404 Engineering Systems Design
- 120405 Models of Engineering Design
- 120499 Engineering Design not elsewhere classified

**Exclusions:**

- a) Satellite, space vehicle and missile design are included in Group 0901 Aerospace Engineering.
- b) Chemical engineering design is included in Group 0904 Chemical Engineering.
- c) Environmental engineering design is included in Group 0907 Environmental Engineering.
- d) Industrial design is included in Group 1203 Design Practice and Management.

**GROUP 1205 URBAN AND REGIONAL PLANNING**

This group covers urban and regional planning.

It includes:

- community planning;
- management and development of housing markets;
- urban and regional analysis and development;
- transport planning; and
- urban design.

This group has nine fields:

- 120501 Community Planning
- 120502 History and Theory of the Built Environment (excl. Architecture)
- 120503 Housing Markets, Development, Management
- 120504 Land Use and Environmental Planning
- 120505 Regional Analysis and Development
- 120506 Transport Planning
- 120507 Urban Analysis and Development
- 120508 Urban Design
- 120599 Urban and Regional Planning not elsewhere classified

**Exclusions:**

- a) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- b) Agricultural land use and planning is included in Group 0701 Agriculture, Land and Farm Management.
- c) Transport engineering is included in Group 0905 Civil Engineering.
- d) Architectural history and theory are included in Group 1201 Architecture.
- e) Urban and regional studies other than planning are included in Group 1604 Human Geography.
- f) Urban policy is included in Group 1605 Policy and Administration.

## FIELDS OF RESEARCH *continued*

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### DIVISION 12 BUILT ENVIRONMENT AND DESIGN *continued*

#### GROUP 1299 OTHER BUILT ENVIRONMENT AND DESIGN

This group covers built environment and design not elsewhere classified.

This group has one field:

129999 Built Environment and Design not elsewhere classified

#### **Exclusions:**

- a) Management of parks in natural environments is included in Group 0502 Environmental Science and Management.
- b) Agricultural land use and planning is included in Group 0701 Agriculture, Land and Farm Management.
- c) Satellite, space vehicle and missile design are included in Group 0901 Aerospace Engineering.
- d) Chemical engineering design is included in Group 0904 Chemical Engineering.
- e) Civil engineering, including construction materials and transport engineering is included in Group 0905 Civil Engineering.
- f) Environmental engineering design is included in Group 0907 Environmental Engineering.
- g) Surveying is included in Group 0909 Geomatic Engineering.
- h) Urban and regional studies other than planning are included in Group 1604 Human Geography.
- i) Urban policy is included in Group 1605 Policy and Administration.
- j) Fine arts are included in Group 1905 Visual Arts and Crafts.

## **DIVISION 13 EDUCATION**

This division covers education.

It includes:

- education systems;
- curriculum and pedagogy; and
- specialist education studies.

This division has four groups:

- 1301 Education Systems
- 1302 Curriculum and Pedagogy
- 1303 Specialist Studies in Education
- 1399 Other Education

### **Exclusions:**

- a) Economics of education are included in Group 1402 Applied Economics.
- b) Education policy is included in Group 1605 Policy and Administration.
- c) Sociology of education is included in Group 1608 Sociology.
- d) Educational psychology is included in Group 1701 Psychology.
- e) Educational linguistics is included in Group 2004 Linguistics.
- f) History and philosophy of education is included in Group 2202 History and Philosophy of Specific Fields.

## **GROUP 1301 EDUCATION SYSTEMS**

This group covers systems for the delivery of education services.

This group has nine fields:

- 130101 Continuing and Community Education
- 130102 Early Childhood Education (excl. Māori)
- 130103 Higher Education
- 130104 Kura Kaupapa Māori (Māori Primary Education)
- 130105 Primary Education (excl. Māori)
- 130106 Secondary Education
- 130107 Te Whāriki (Māori Early Childhood Education)
- 130108 Technical, Further and Workplace Education
- 130199 Education systems not elsewhere classified

### **Exclusions:**

- a) Educational administration and special education and disability are included in Group 1303 Specialist Studies in Education.

## FIELDS OF RESEARCH *continued*

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### **DIVISION 13 EDUCATION** *continued*

#### **GROUP 1302 CURRICULUM AND PEDAGOGY**

This group covers curriculum and pedagogy, including its theory and development.

This group has fourteen fields:

- 130201 Creative Arts, Media and Communication Curriculum and Pedagogy
- 130202 Curriculum and Pedagogy Theory and Development
- 130203 Economics, Business and Management Curriculum and Pedagogy
- 130204 English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)
- 130205 Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)
- 130206 Kōhanga Reo (Māori Language Curriculum and Pedagogy)
- 130207 LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)
- 130208 Mathematics and Numeracy Curriculum and Pedagogy
- 130209 Medicine, Nursing and Health Curriculum and Pedagogy
- 130210 Physical Education and Development Curriculum and Pedagogy
- 130211 Religion Curriculum and Pedagogy
- 130212 Science, Technology and Engineering Curriculum and Pedagogy
- 130213 Vocational Education and Training Curriculum and Pedagogy
- 130299 Curriculum and Pedagogy not elsewhere classified

#### **Exclusions:**

- a) Teacher education and the professional development of educators are included in Group 1303 Specialist Studies in Education.
- b) Educational linguistics is included in Group 2004 Linguistics.

**DIVISION 13 EDUCATION** *continued*

**GROUP 1303 SPECIALIST STUDIES IN EDUCATION**

This group covers specialist studies in education.

It includes:

- educational issues related to specific ethnic groups;
- education assessment and evaluation;
- educational technology;
- learning sciences;
- special education; and
- teacher education and professional development of educators.

This group has fourteen fields:

- 130301 Aboriginal and Torres Strait Islander Education
- 130302 Comparative and Cross-Cultural Education
- 130303 Education Assessment and Evaluation
- 130304 Educational Administration, Management and Leadership
- 130305 Educational Counselling
- 130306 Educational Technology and Computing
- 130307 Ethnic Education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)
- 130308 Gender, Sexuality and Education
- 130309 Learning Sciences
- 130310 Māori Education (excl. Early Childhood and Primary Education)
- 130311 Pacific Peoples Education
- 130312 Special Education and Disability
- 130313 Teacher Education and Professional Development of Educators
- 130399 Specialist Studies in Education not elsewhere classified

**Exclusions:**

- a) Education systems, including Māori primary and early childhood education, are included in Group 1301 Education Systems.
- b) Curriculum and pedagogy relating to specific subject areas is included in Group 1302 Curriculum and Pedagogy.
- c) Economics of education are included in Group 1402 Applied Economics.
- d) Education policy is included in Group 1605 Policy and Administration.
- e) Sociology of education is included in Group 1608 Sociology.
- f) Educational psychology is included in Group 1701 Psychology.
- g) Educational linguistics is included in Group 2004 Linguistics.
- h) History and philosophy of education is included in Group 2202 History and Philosophy of Specific Fields.



## FIELDS OF RESEARCH *continued*

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### DIVISION 13 EDUCATION *continued*

#### GROUP 1399 OTHER EDUCATION

This group covers education not elsewhere classified.

This group has one field:

139999 Education not elsewhere classified

#### **Exclusions:**

- a) Economics of education are included in Group 1402 Applied Economics.
- b) Education policy is included in Group 1605 Policy and Administration.
- c) Sociology of education is included in Group 1608 Sociology.
- d) Educational psychology is included in Group 1701 Psychology.
- e) Educational linguistics is included in Group 2004 Linguistics.
- f) History and philosophy of education is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 14 ECONOMICS**

This division covers economics.

This division has four groups:

- 1401 Economic Theory
- 1402 Applied Economics
- 1403 Econometrics
- 1499 Other Economics

**Exclusions:**

- a) Taxation accounting is included in Group 1501 Accounting, Auditing and Accountability.
- b) Financial econometrics is included in Group 1502 Banking, Finance and Investment.
- c) Economic geography is included in Group 1604 Human Geography.
- d) Economic development policy is included in Group 1605 Policy and Administration.
- e) Taxation law is included in Group 1801 Law.
- f) History and philosophy of economics is included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 1401 ECONOMIC THEORY**

This group covers economic theory. It includes history of economic thought.

This group has five fields:

- 140101 History of Economic Thought
- 140102 Macroeconomic Theory
- 140103 Mathematical Economics
- 140104 Microeconomic Theory
- 140199 Economic Theory not elsewhere classified

**Exclusions:**

- a) History and philosophy of economics is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 14 ECONOMICS** *continued*

**GROUP 1402 APPLIED ECONOMICS**

This group covers applied economics.

This group has twenty fields:

- 140201 Agricultural Economics
- 140202 Economic Development and Growth
- 140203 Economic History
- 140204 Economics of Education
- 140205 Environment and Resource Economics
- 140206 Experimental Economics
- 140207 Financial Economics
- 140208 Health Economics
- 140209 Industry Economics and Industrial Organisation
- 140210 International Economics and International Finance
- 140211 Labour Economics
- 140212 Macroeconomics (incl. Monetary and Fiscal Theory)
- 140213 Public Economics- Public Choice
- 140214 Public Economics- Publically Provided Goods
- 140215 Public Economics- Taxation and Revenue
- 140216 Tourism Economics
- 140217 Transport Economics
- 140218 Urban and Regional Economics
- 140219 Welfare Economics
- 140299 Applied Economics not elsewhere classified

**Exclusions:**

- a) Taxation accounting is included in Group 1501 Accounting, Auditing and Accountability.
- b) Economic geography is included in Group 1604 Human Geography.
- c) Taxation law is included in Group 1801 Law.

**GROUP 1403 ECONOMETRICS**

This group covers econometrics.

It includes:

- time-series analysis;
- cross-sectional analysis; and
- panel data analysis.

This group has six fields:

- 140301 Cross-Sectional Analysis
- 140302 Econometric and Statistical Methods
- 140303 Economic Models and Forecasting
- 140304 Panel Data Analysis
- 140305 Time-Series Analysis
- 140399 Econometrics not elsewhere classified

**Exclusions:**

- a) Financial econometrics is included in Group 1502 Banking, Finance and Investment.

## FIELDS OF RESEARCH *continued*

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### **DIVISION 14 ECONOMICS** *continued*

#### **GROUP 1499 OTHER ECONOMICS**

This group covers economics not elsewhere classified.

It includes:

- comparative economics systems;
- ecological economics; and
- heterodox economics.

This group has four fields:

149901 Comparative Economic Systems

149902 Ecological Economics

149903 Heterodox Economics

149999 Economics not elsewhere classified

#### **Exclusions:**

- a) Taxation accounting is included in Group 1501 Accounting, Auditing and Accountability.
- b) Financial econometrics is included in Group 1502 Banking, Finance and Investment.
- c) Economic geography is included in Group 1604 Human Geography.
- d) Economic development policy is included in Group 1605 Policy and Administration.
- e) Taxation law is included in Group 1801 Law.
- f) History and philosophy of economics is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES**

This division covers commerce, management, tourism and services.

This division has eight groups:

- 1501 Accounting, Auditing and Accountability
- 1502 Banking, Finance and Investment
- 1503 Business and Management
- 1504 Commercial Services
- 1505 Marketing
- 1506 Tourism
- 1507 Transportation and Freight Services
- 1599 Other Commerce, Management, Tourism and Services

**Exclusions:**

- a) Financial mathematics is included in Group 0102 Applied Mathematics.
- b) Farm management, rural management and agribusiness are included in Group 0701 Agriculture, Land and Farm Management.
- c) Non-business information systems are included in Group 0806 Information Systems.
- d) Transport engineering is included in Group 0905 Civil Engineering.
- e) Transport planning is included in Group 1205 Urban and Regional Planning.
- f) The economics of taxation are included in Group 1402 Applied Economics.
- g) Econometrics other than financial econometrics is included in Group 1403 Econometrics.
- h) Private policing and security services are included in Group 1602 Criminology.
- i) Demography is included in Group 1603 Demography.
- j) Taxation law is included in Group 1801 Law.
- k) Social impacts of marketing are included in Group 2001 Communication and Media Studies.
- l) Cultural impacts of marketing are included in Group 2002 Cultural Studies.
- m) Business ethics is included in Group 2201 Applied Ethics.
- n) Business and labour history is included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 1501 ACCOUNTING, AUDITING AND ACCOUNTABILITY**

This group covers accounting, auditing and accountability.

This group has eight fields:

- 150101 Accounting Theory and Standards
- 150102 Auditing and Accountability
- 150103 Financial Accounting
- 150104 International Accounting
- 150105 Management Accounting
- 150106 Sustainability Accounting and Reporting
- 150107 Taxation Accounting
- 150199 Accounting, Auditing and Accountability not elsewhere classified

**Exclusions:**

- a) The economics of taxation are included in Group 1402 Applied Economics.
- b) Taxation law is included in Group 1801 Law.

## **FIELDS OF RESEARCH** *continued*

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### **DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES** *continued*

#### **GROUP 1502 BANKING, FINANCE AND INVESTMENT**

This group covers banking, finance and investment.

This group has six fields:

- 150201 Finance
- 150202 Financial Econometrics
- 150203 Financial Institutions (incl. Banking)
- 150204 Insurance Studies
- 150205 Investment and Risk Management
- 150299 Banking, Finance and Investment not elsewhere classified

#### **Exclusions:**

- a) Financial mathematics is included in Group 0102 Applied Mathematics.
- b) Econometrics other than financial econometrics is included in Group 1403 Econometrics.
- c) Demography is included in Group 1603 Demography.

## FIELDS OF RESEARCH *continued*

### DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES *continued*

#### GROUP 1503 BUSINESS AND MANAGEMENT

This group covers business and management.

It includes:

- business management;
- industrial relations;
- business information systems and information management;
- corporate governance;
- entrepreneurship; and
- organisation and management theory.

This group has fifteen fields:

- 150301 Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)
- 150302 Business Information Systems
- 150303 Corporate Governance and Stakeholder Engagement
- 150304 Entrepreneurship
- 150305 Human Resources Management
- 150306 Industrial Relations
- 150307 Innovation and Technology Management
- 150308 International Business
- 150309 Logistics and Supply Chain Management
- 150310 Organisation and Management Theory
- 150311 Organisational Behaviour
- 150312 Organisational Planning and Management
- 150313 Quality Management
- 150314 Small Business Management
- 150399 Business and Management not elsewhere classified

#### **Exclusions:**

- a) Farm management, rural management and agribusiness are included in Group 0701 Agriculture, Land and Farm Management.
- b) Non-business information systems are included in Group 0806 Information Systems.
- c) Hospitality, sport and leisure management are included in Group 1504 Commercial Services.
- d) Marketing and marketing management is included in Group 1505 Marketing.
- e) Tourism management is included in Group 1506 Tourism.
- f) Transportation and freight services are included in Group 1507 Transportation and Freight Services.
- g) Business ethics is included in Group 2201 Applied Ethics.
- h) Business and labour history is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

### DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES *continued*

#### GROUP 1504 COMMERCIAL SERVICES

This group covers commercial services, other than tourism and transportation and freight services.

This group has five fields:

- 150401 Food and Hospitality Services
- 150402 Hospitality Management
- 150403 Real Estate and Valuation Services
- 150404 Sport and Leisure Management
- 150499 Commercial Services not elsewhere classified

#### Exclusions:

- a) Tourism is included in Group 1506 Tourism.
- b) Transportation and freight services are included in Group 1507 Transportation and Freight Services.
- c) Private policing and security services are included in Group 1602 Criminology.

#### GROUP 1505 MARKETING

This group covers marketing, other than market research.

It includes:

- consumer-oriented product and service development;
- marketing communications;
- marketing research methodology; and
- marketing theory.

This group has eight fields:

- 150501 Consumer-Oriented Product or Service Development
- 150502 Marketing Communications
- 150503 Marketing Management (incl. Strategy and Customer Relations)
- 150504 Marketing Measurement
- 150505 Marketing Research Methodology
- 150506 Marketing Theory
- 150507 Pricing (incl. Consumer Value Estimation)
- 150599 Marketing not elsewhere classified

#### Exclusions:

- a) Tourism marketing is included in Group 1506 Tourism.
- b) Social impacts of marketing are included in Group 2001 Communication and Media Studies.
- c) Cultural impacts of marketing are included in Group 2002 Cultural Studies.
- d) Market research does not constitute R&D in the ANZSRC and as such should not be classified.



## **FIELDS OF RESEARCH** *continued*

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### **DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES** *continued*

#### **GROUP 1506 TOURISM**

This group covers tourism.

This group has seven fields:

- 150601 Impacts of Tourism
- 150602 Tourism Forecasting
- 150603 Tourism Management
- 150604 Tourism Marketing
- 150605 Tourism Resource Appraisal
- 150606 Tourist Behaviour and Visitor Experience
- 150699 Tourism not elsewhere classified

#### **Exclusions:**

- a) Hospitality, sport and leisure management are included in Group 1504 Commercial Services.
- b) Tourism geography is included in Group 1604 Human Geography.
- c) Tourism policy is included in Group 1605 Policy and Administration.

#### **GROUP 1507 TRANSPORTATION AND FREIGHT SERVICES**

This group covers transportation and freight services.

This group has four fields:

- 150701 Air Transportation and Freight Services
- 150702 Rail Transportation and Freight Services
- 150703 Road Transportation and Freight Services
- 150799 Transportation and Freight Services not elsewhere classified

#### **Exclusions:**

- a) Transport engineering is included in Group 0905 Civil Engineering.
- b) Transport planning is included in Group 1205 Urban and Regional Planning.

## FIELDS OF RESEARCH *continued*

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### DIVISION 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES *continued*

#### GROUP 1599 OTHER COMMERCE, MANAGEMENT, TOURISM AND SERVICES

This group covers commerce, management, tourism and services not elsewhere classified.

This group has one field:

159999 Commerce, Management, Tourism and Services not elsewhere classified

#### **Exclusions:**

- a) Financial mathematics is included in Group 0102 Applied Mathematics.
- b) Farm management, rural management and agribusiness are included in Group 0701 Agriculture, Land and Farm Management.
- c) Non-business information systems are included in Group 0806 Information Systems.
- d) Transport engineering is included in Group 0905 Civil Engineering.
- e) Transport planning is included in Group 1205 Urban and Regional Planning.
- f) The economics of taxation are included in Group 1402 Applied Economics.
- g) Econometrics other than financial econometrics is included in Group 1403 Econometrics.
- h) Private policing and security services are included in Group 1602 Criminology.
- i) Demography is included in Group 1603 Demography.
- j) Taxation law is included in Group 1801 Law.
- k) Social impacts of marketing are included in Group 2001 Communication and Media Studies.
- l) Cultural impacts of marketing are included in Group 2002 Cultural Studies.
- m) Business ethics is included in Group 2201 Applied Ethics.
- n) Business and labour history is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 16 STUDIES IN HUMAN SOCIETY**

This division covers studies in human society.

It includes:

- policy and political science;
- social work;
- anthropology;
- criminology; and
- human geography.

This division has nine groups:

- 1601 Anthropology
- 1602 Criminology
- 1603 Demography
- 1604 Human Geography
- 1605 Policy and Administration
- 1606 Political Science
- 1607 Social Work
- 1608 Sociology
- 1699 Other Studies in Human Society

**Exclusions:**

- a) Forensic statistics is included in Group 0104 Statistics.
- b) Forensic chemistry is included in Group 0399 Other Chemical Sciences.
- c) Physical geography is included in Group 0406 Physical Geography and Environmental Geoscience.
- d) Anthropological genetics is included in Group 0604 Genetics.
- e) Forensic biology is included in Group 0699 Other Biological Sciences.
- f) Health care administration is included in Group 1117 Public Health and Health Services.
- g) Educational administration is included in Group 1303 Specialist Studies in Education.
- h) Economics, including urban and regional economics, is included in Division 14 Economics.
- i) Actuarial studies are included in Group 1502 Banking, Finance and Investment.
- j) Forensic psychology is included in Group 1701 Psychology.
- k) Law and society and criminal law are included in Group 1801 Law.
- l) Language in society (sociolinguistics) is included in Group 2004 Linguistics.
- m) Archaeology is included in Group 2101 Archaeology.
- n) History and philosophy of science, technology and the social sciences are included in Group 2202 History and Philosophy of Specific Fields.
- o) Social philosophy is included in Group 2203 Philosophy.
- p) Religion and society is included in Group 2204 Religion and Religious Studies.

**DIVISION 16 STUDIES IN HUMAN SOCIETY** *continued*

**GROUP 1601 ANTHROPOLOGY**

This group covers anthropology.

This group has five fields:

- 160101 Anthropology of Development
- 160102 Biological (Physical) Anthropology
- 160103 Linguistic Anthropology
- 160104 Social and Cultural Anthropology
- 160199 Anthropology not elsewhere classified

**Exclusions:**

- a) Anthropological genetics is included in Group 0604 Genetics.
- b) Archaeology is included in Group 2101 Archaeology.

**GROUP 1602 CRIMINOLOGY**

This group covers criminology.

This group has seven fields:

- 160201 Causes and Prevention of Crime
- 160202 Correctional Theory, Offender Treatment and Rehabilitation
- 160203 Courts and Sentencing
- 160204 Criminological Theories
- 160205 Police Administration, Procedures and Practice
- 160206 Private Policing and Security Services
- 160299 Criminology not elsewhere classified

**Exclusions:**

- a) Forensic statistics is included in Group 0104 Statistics.
- b) Forensic chemistry is included in Group 0399 Other Chemical Sciences.
- c) Forensic biology is included in Group 0699 Other Biological Sciences.
- d) Crime policy is included in Group 1605 Policy and Administration.
- e) Forensic psychology is included in Group 1701 Psychology.
- f) Criminal law is included in Group 1801 Law.

**GROUP 1603 DEMOGRAPHY**

This group covers demography.

This group has six fields:

- 160301 Family and Household Studies
- 160302 Fertility
- 160303 Migration
- 160304 Mortality
- 160305 Population Trends and Policies
- 160399 Demography not elsewhere classified

**Exclusions:**

- a) Actuarial studies are included in Group 1502 Banking, Finance and Investment.

## FIELDS OF RESEARCH *continued*

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### DIVISION 16 STUDIES IN HUMAN SOCIETY *continued*

#### GROUP 1604 HUMAN GEOGRAPHY

This group covers human geography.

This group has five fields:

- 160401 Economic Geography
- 160402 Recreation, Leisure and Tourism Geography
- 160403 Social and Cultural Geography
- 160404 Urban and Regional Studies (excl. Planning)
- 160499 Human Geography not elsewhere classified

#### Exclusions:

- a) Physical geography is included in Group 0406 Physical Geography and Environmental Geoscience.
- b) Urban and regional planning is included in Group 1205 Urban and Regional Planning.
- c) Economics, including urban and regional economics, is included in Division 14 Economics.
- d) Demography is included in Group 1603 Demography.
- e) Urban and environment policy is included in Group 1605 Policy and Administration.

#### GROUP 1605 POLICY AND ADMINISTRATION

This group covers policy and administration.

This group has fifteen fields:

- 160501 Aboriginal and Torres Strait Islander Policy
- 160502 Arts and Cultural Policy
- 160503 Communications and Media Policy
- 160504 Crime Policy
- 160505 Economic Development Policy
- 160506 Education Policy
- 160507 Environment Policy
- 160508 Health Policy
- 160509 Public Administration
- 160510 Public Policy
- 160511 Research, Science and Technology Policy
- 160512 Social Policy
- 160513 Tourism Policy
- 160514 Urban Policy
- 160599 Policy and Administration not elsewhere classified

#### Exclusions:

- a) Health care administration is included in Group 1117 Public Health and Health Services.
- b) Educational administration is included in Group 1303 Specialist Studies in Education.

## **FIELDS OF RESEARCH** *continued*

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### **DIVISION 16 STUDIES IN HUMAN SOCIETY** *continued*

#### **GROUP 1606 POLITICAL SCIENCE**

This group covers political science.

This group has ten fields:

- 160601 Australian Government and Politics
- 160602 Citizenship
- 160603 Comparative Government and Politics
- 160604 Defence Studies
- 160605 Environmental Politics
- 160606 Government and Politics of Asia and the Pacific
- 160607 International Relations
- 160608 New Zealand Government and Politics
- 160609 Political Theory and Political Philosophy
- 160699 Political Science not elsewhere classified

#### **GROUP 1607 SOCIAL WORK**

This group covers social work.

This group has four fields:

- 160701 Clinical Social Work Practice
- 160702 Counselling, Welfare and Community Services
- 160703 Social Program Evaluation
- 160799 Social Work not elsewhere classified

#### **Exclusions:**

- a) Urban and regional studies are included in Group 1604 Human Geography.
- b) Social policy is included in Group 1605 Policy and Administration.

## FIELDS OF RESEARCH *continued*

### DIVISION 16 STUDIES IN HUMAN SOCIETY *continued*

#### GROUP 1608 SOCIOLOGY

This group covers sociology.

It includes:

- social theory and change;
- race and ethnic relations;
- urban, rural and environmental sociology; and
- educational sociology.

This group has eleven fields:

- 160801 Applied Sociology, Program Evaluation and Social Impact Assessment
- 160802 Environmental Sociology
- 160803 Race and Ethnic Relations
- 160804 Rural Sociology
- 160805 Social Change
- 160806 Social Theory
- 160807 Sociological Methodology and Research Methods
- 160808 Sociology and Social Studies of Science and Technology
- 160809 Sociology of Education
- 160810 Urban Sociology and Community Studies
- 160899 Sociology not elsewhere classified

#### Exclusions:

- a) Criminology is included in Group 1602 Criminology.
- b) Social policy is included in Group 1605 Policy and Administration.
- c) Law and society is included in Group 1801 Law.
- d) Language in society (sociolinguistics) is included in Group 2004 Linguistics.
- e) History and philosophy of science and technology are included in Group 2202 History and Philosophy of Specific Fields.
- f) Social philosophy is included in Group 2203 Philosophy.
- g) Religion and society is included in Group 2204 Religion and Religious Studies.

**DIVISION 16 STUDIES IN HUMAN SOCIETY** *continued*

**GROUP 1699 OTHER STUDIES IN HUMAN SOCIETY**

This group covers studies in human society not elsewhere classified.

It includes:

- gender specific studies;
- studies of Asian society;
- studies of Aboriginal and Torres Strait Islander society;
- studies of Māori society; and
- studies of Pacific Peoples' society.

This group has six fields:

- 169901 Gender Specific Studies
- 169902 Studies of Aboriginal and Torres Strait Islander Society
- 169903 Studies of Asian Society
- 169904 Studies of Māori Society
- 169905 Studies of Pacific Peoples' Societies
- 169999 Studies in Human Society not elsewhere classified

**Exclusions:**

- a) Forensic statistics is included in Group 0104 Statistics.
- b) Forensic chemistry is included in Group 0399 Other Chemical Sciences.
- c) Physical geography is included in Group 0406 Physical Geography and Environmental Geoscience.
- d) Anthropological genetics is included in Group 0604 Genetics.
- e) Forensic biology is included in Group 0699 Other Biological Sciences.
- f) Health care administration is included in Group 1117 Public Health and Health Services.
- g) Educational administration is included in Group 1303 Specialist Studies in Education.
- h) Economics, including urban and regional economics, is included in Division 14 Economics.
- i) Actuarial studies are included in Group 1502 Banking, Finance and Investment.
- j) Forensic psychology is included in Group 1701 Psychology.
- k) Law and society and criminal law are included in Group 1801 Law.
- l) Language in society (sociolinguistics) is included in Group 2004 Linguistics.
- m) Archaeology is included in Group 2101 Archaeology.
- n) History and philosophy of science, technology and the social sciences is included in Group 2202 History and Philosophy of Specific Fields.
- o) Social philosophy is included in Group 2203 Philosophy.
- p) Religion and society is included in Group 2204 Religion and Religious Studies.



**DIVISION 17 PSYCHOLOGY AND COGNITIVE SCIENCES**

This division covers psychology and cognitive sciences.

This division has three groups:

- 1701 Psychology
- 1702 Cognitive Sciences
- 1799 Other Psychology and Cognitive Sciences

**Exclusions:**

- a) Artificial intelligence is included in Group 0801 Artificial Intelligence and Image Processing.
- b) The application of psychology to computer-human interactions is included in Group 0806 Information Systems.
- c) Psychiatry and psychotherapy is included in Group 1103 Clinical Sciences.
- d) Neuroscience is included in Group 1109 Neurosciences.
- e) Mental health is included in Group 1117 Public Health and Health Services.
- f) Learning sciences are included in Group 1303 Specialist Studies in Education.
- g) Criminology is included in Group 1602 Criminology.
- h) Linguistics other than linguistic processes is included in Group 2004 Linguistics.
- i) History and philosophy of the social sciences are included in Group 2202 History and Philosophy of Specific Fields.
- j) Philosophical psychology and philosophy of cognition are included in Group 2203 Philosophy.

**GROUP 1701 PSYCHOLOGY**

This group covers psychology. It includes psychosomatic medicine.

This group has fifteen fields:

- 170101 Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)
- 170102 Developmental Psychology and Ageing
- 170103 Educational Psychology
- 170104 Forensic Psychology
- 170105 Gender Psychology
- 170106 Health, Clinical and Counselling Psychology
- 170107 Industrial and Organisational Psychology
- 170108 Kaupapa Māori Psychology
- 170109 Personality, Abilities and Assessment
- 170110 Psychological Methodology, Design and Analysis
- 170111 Psychology of Religion
- 170112 Sensory Processes, Perception and Performance
- 170113 Social and Community Psychology
- 170114 Sport and Exercise Psychology
- 170199 Psychology not elsewhere classified

**Exclusions:**

- a) The application of psychology to computer-human interactions is included in Group 0806 Information Systems.
- b) Psychiatry and psychotherapy is included in Group 1103 Clinical Sciences.
- c) Neuroscience is included in Group 1109 Neurosciences.
- d) Mental health is included in Group 1117 Public Health and Health Services.
- e) Learning sciences are included in Group 1303 Specialist Studies in Education.
- f) Criminology is included in Group 1602 Criminology.
- g) The application of psychology to cognitive science is included in Group 1702 Cognitive Sciences.
- h) Philosophical psychology is included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

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### DIVISION 17 PSYCHOLOGY AND COGNITIVE SCIENCES *continued*

#### GROUP 1702 COGNITIVE SCIENCES

This group covers cognitive sciences.

This group has six fields:

- 170201 Computer Perception, Memory and Attention
- 170202 Decision Making
- 170203 Knowledge Representation and Machine Learning
- 170204 Linguistic Processes (incl. Speech Production and Comprehension)
- 170205 Neurocognitive Patterns and Neural Networks
- 170299 Cognitive Sciences not elsewhere classified

#### Exclusions:

- a) Artificial intelligence is included in Group 0801 Artificial Intelligence and Image Processing.
- b) Linguistics other than linguistic processes is included in Group 2004 Linguistics.
- c) Philosophy of cognition is included in Group 2203 Philosophy.

#### GROUP 1799 OTHER PSYCHOLOGY AND COGNITIVE SCIENCES

This group covers psychology and cognitive sciences not elsewhere classified.

This group has one field:

- 179999 Psychology and Cognitive Sciences not elsewhere classified

#### Exclusions:

- a) Artificial intelligence is included in Group 0801 Artificial Intelligence and Image Processing.
- b) The application of psychology to computer-human interactions is included in Group 0806 Information Systems.
- c) Psychiatry and psychotherapy is included in Group 1103 Clinical Sciences.
- d) Neuroscience is included in Group 1109 Neurosciences.
- e) Mental health is included in Group 1117 Public Health and Health Services.
- f) Learning sciences are included in Group 1303 Specialist Studies in Education.
- g) Criminology is included in Group 1602 Criminology.
- h) Linguistics other than linguistic processes is included in Group 2004 Linguistics.
- i) History and philosophy of the social sciences are included in Group 2202 History and Philosophy of Specific Fields.
- j) Philosophical psychology and philosophy of cognition are included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

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### DIVISION 18 LAW AND LEGAL STUDIES

This division covers law and legal studies.

This division has three groups:

1801 Law

1802 Māori Law

1899 Other Law and Legal Studies

#### **Exclusions:**

- a) Criminology, including policing and correctional theory, is included in Group 1602 Criminology.
- b) Legal ethics and human rights and justice issues are included in Group 2201 Applied Ethics.
- c) History and philosophy of law and justice is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

### DIVISION 18 LAW AND LEGAL STUDIES *continued*

#### GROUP 1801 LAW

This group covers law.

It includes:

- legal institutions;
- legal theory and practice; and
- litigation, adjudication and dispute resolution.

This group has twenty-seven fields:

- 180101 Aboriginal and Torres Strait Islander Law
- 180102 Access to Justice
- 180103 Administrative Law
- 180104 Civil Law and Procedure
- 180105 Commercial and Contract Law
- 180106 Comparative Law
- 180107 Conflict of Laws (Private International Law)
- 180108 Constitutional Law
- 180109 Corporations and Associations Law
- 180110 Criminal Law and Procedure
- 180111 Environmental and Natural Resources Law
- 180112 Equity and Trusts Law
- 180113 Family Law
- 180114 Human Rights Law
- 180115 Intellectual Property Law
- 180116 International Law (excl. International Trade Law)
- 180117 International Trade Law
- 180118 Labour Law
- 180119 Law and Society
- 180120 Legal Institutions (incl. Courts and Justice Systems)
- 180121 Legal Practice, Lawyering and the Legal Profession
- 180122 Legal Theory, Jurisprudence and Legal Interpretation
- 180123 Litigation, Adjudication and Dispute Resolution
- 180124 Property Law (excl. Intellectual Property Law)
- 180125 Taxation Law
- 180126 Tort Law
- 180199 Law not elsewhere classified

#### Exclusions:

- a) Criminology, including policing and correctional theory, is included in Group 1602 Criminology.
- b) Legal ethics and human rights and justice issues are included in Group 2201 Applied Ethics.
- c) History and philosophy of law and justice is included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

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### **DIVISION 18 LAW AND LEGAL STUDIES** *continued*

#### **GROUP 1802 MĀORI LAW**

This group covers Māori Law.

This group has five fields:

- 180201 Nga Tikanga Māori (Māori Customary Law)
- 180202 Te Māori Whakahaere Rauemi (Māori Resource Law)
- 180203 Te Tiriti o Waitangi (The Treaty of Waitangi)
- 180204 Te Ture Whenua (Māori Land Law)
- 180299 Māori Law not elsewhere classified

#### **GROUP 1899 OTHER LAW AND LEGAL STUDIES**

This group covers law and legal studies not elsewhere classified.

This group has one field:

- 189999 Law and Legal Studies not elsewhere classified

#### **Exclusions:**

- a) Criminology, including policing and correctional theory, is included in Group 1602 Criminology.
- b) Legal ethics and human rights and justice issues are included in Group 2201 Applied Ethics.
- c) History and philosophy of law and justice is included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 19 STUDIES IN CREATIVE ARTS AND WRITING**

This division covers studies in the creative arts and writing.

It includes:

- art theory and criticism;
- film, television and digital media;
- journalism and professional writing;
- performing arts and creative writing; and
- visual arts and crafts.

This division has six groups:

- 1901 Art Theory and Criticism
- 1902 Film, Television and Digital Media
- 1903 Journalism and Professional Writing
- 1904 Performing Arts and Creative Writing
- 1905 Visual Arts and Crafts
- 1999 Other Studies in Creative Arts and Writing

**Exclusions:**

- a) Computer software is included in Group 0803 Computer Software.
- b) Communications technologies, including broadcasting systems, are included in Group 1005 Communications Technologies.
- c) Computer hardware is included in Group 1006 Computer Hardware.
- d) Design studies are included in Division 12 Built Environment and Design.
- e) Communication and media studies are included in Group 2001 Communication and Media Studies.
- f) Cultural studies, including screen and media culture, are included in Group 2002 Cultural Studies.
- g) Literary studies are included in Group 2005 Literary Studies.
- h) Curatorial and related studies are included in Group 2102 Curatorial and Related Studies.
- i) History and philosophy of the humanities, other than art history, are included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 1901 ART THEORY AND CRITICISM**

This group covers art theory and criticism. It includes art history and visual cultures.

This group has five fields:

- 190101 Art Criticism
- 190102 Art History
- 190103 Art Theory
- 190104 Visual Cultures
- 190199 Art Theory and Criticism not elsewhere classified

**Exclusions:**

- a) Literary studies are included in Group 2005 Literary Studies.
- b) Curatorial and related studies are included in Group 2102 Curatorial and Related Studies.

## FIELDS OF RESEARCH *continued*

### DIVISION 19 STUDIES IN CREATIVE ARTS AND WRITING *continued*

#### GROUP 1902 FILM, TELEVISION AND DIGITAL MEDIA

This group covers film, television and digital media. It includes computer animation and gaming.

This group has six fields:

- 190201 Cinema Studies
- 190202 Computer Gaming and Animation
- 190203 Electronic Media Art
- 190204 Film and Television
- 190205 Interactive Media
- 190299 Film, Television and Digital Media not elsewhere classified

#### Exclusions:

- a) Computer software is included in Group 0803 Computer Software.
- b) Communications technologies including broadcasting systems are included in Group 1005 Communications Technologies.
- c) Computer hardware is included in Group 1006 Computer Hardware.
- d) Film and television scriptwriting is included in Group 1904 Performing Arts and Creative Writing.
- e) Lens-based practice, including photography, is included in Group 1905 Visual Arts and Crafts.
- f) Screen and media culture are included in Group 2002 Cultural Studies.

#### GROUP 1903 JOURNALISM AND PROFESSIONAL WRITING

This group covers journalism and professional writing. It includes technical writing.

This group has four fields:

- 190301 Journalism Studies
- 190302 Professional Writing
- 190303 Technical Writing
- 190399 Journalism and Professional Writing not elsewhere classified

#### Exclusions:

- a) Communications technologies are included in Group 1005 Communications Technologies.
- b) Creative writing is included in Group 1904 Performing Arts and Creative Writing.
- c) Communication and media studies are included in Group 2001 Communication and Media Studies.
- d) Literary studies are included in Group 2005 Literary Studies.

## FIELDS OF RESEARCH *continued*

### DIVISION 19 STUDIES IN CREATIVE ARTS AND WRITING *continued*

#### GROUP 1904 PERFORMING ARTS AND CREATIVE WRITING

This group covers performing arts and creative writing.

It includes:

- music and musicology;
- dance;
- creative writing; and
- drama and theatre studies.

This group has eleven fields:

- 190401 Aboriginal and Torres Strait Islander Performing Arts
- 190402 Creative Writing (incl. Playwriting)
- 190403 Dance
- 190404 Drama, Theatre and Performance Studies
- 190405 Māori Performing Arts
- 190406 Music Composition
- 190407 Music Performance
- 190408 Music Therapy
- 190409 Musicology and Ethnomusicology
- 190410 Pacific Peoples Performing Arts
- 190499 Performing Arts and Creative Writing not elsewhere classified

#### Exclusions:

- a) Film, television and digital media are included in Group 1902 Film, Television and Digital Media.
- b) Journalism, professional and technical writing is included in Group 1903 Journalism and Professional Writing.
- c) Performance and installation art are included in Group 1905 Visual Arts and Crafts.
- d) Literary studies are included in Group 2005 Literary Studies.

#### GROUP 1905 VISUAL ARTS AND CRAFTS

This group covers visual arts and crafts. It includes fine arts.

This group has five fields:

- 190501 Crafts
- 190502 Fine Arts (incl. Sculpture and Painting)
- 190503 Lens-based Practice
- 190504 Performance and Installation Art
- 190599 Visual Arts and Crafts not elsewhere classified

#### Exclusions:

- a) Visual communication design is included in Group 1203 Design Practice and Management.
- b) Film and television are included in Group 1902 Film, Television and Digital Media.



## FIELDS OF RESEARCH *continued*

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### DIVISION 19 STUDIES IN CREATIVE ARTS AND WRITING *continued*

#### GROUP 1999 OTHER STUDIES IN CREATIVE ARTS AND WRITING

This group covers studies in creative arts and writing not elsewhere classified.

This group has one field:

199999 Studies in Creative Arts and Writing not elsewhere classified

#### **Exclusions:**

- a) Computer software is included in Group 0803 Computer Software.
- b) Communications technologies, including broadcasting systems, are included in Group 1005 Communications Technologies.
- c) Computer hardware is included in Group 1006 Computer Hardware.
- d) Design studies are included in Division 12 Built Environment and Design.
- e) Communication and media studies are included in Group 2001 Communication and Media Studies.
- f) Cultural studies, including screen and media culture, are included in Group 2002 Cultural Studies.
- g) Literary studies are included in Group 2005 Literary Studies.
- h) Curatorial and related studies are included in Group 2102 Curatorial and Related Studies.
- i) History and philosophy of the humanities, other than art history, are included in Group 2202 History and Philosophy of Specific Fields.

**DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE**

This division covers language studies, communication and culture. It includes literary studies and linguistics.

This division has six groups:

- 2001 Communication and Media Studies
- 2002 Cultural Studies
- 2003 Language Studies
- 2004 Linguistics
- 2005 Literary Studies
- 2099 Other Language, Communication and Culture

**Exclusions:**

- a) Communications technologies are included in Group 1005 Communications Technologies.
- b) Marketing and advertising, other than their social or cultural impacts, are included in Group 1505 Marketing.
- c) Linguistic anthropology is included in Group 1601 Anthropology.
- d) Linguistic processes are included in Group 1702 Cognitive Sciences.
- e) Film, television, digital media, creative writing, professional writing and journalism are included in Division 19 Studies in Creative Arts and Writing.
- f) Cultural conservation is included in Group 2102 Curatorial and Related Studies.
- g) Biography is included in Group 2103 Historical Studies.
- h) History and philosophy of the humanities are included in Group 2202 History and Philosophy of Specific Fields.
- i) Philosophy of language is included in Group 2203 Philosophy.

**GROUP 2001 COMMUNICATION AND MEDIA STUDIES**

This group covers communication and media studies. It includes the social impacts of marketing and advertising.

This group has six fields:

- 200101 Communication Studies
- 200102 Communication Technology and Digital Media Studies
- 200103 International and Development Communication
- 200104 Media Studies
- 200105 Organisational, Interpersonal and Intercultural Communication
- 200199 Communication and Media Studies not elsewhere classified

**Exclusions:**

- a) Communications technologies are included in Group 1005 Communications Technologies.
- b) Marketing and advertising, other than their social or cultural impacts, are included in Group 1505 Marketing.
- c) Film, television and digital media are included in Group 1902 Film, Television and Digital Media.
- d) Journalism is included in Group 1903 Journalism and Professional Writing.
- e) Cultural studies, including screen and media studies and the cultural impacts of marketing and advertising, are included in Group 2002 Cultural Studies.

## FIELDS OF RESEARCH *continued*

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### DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE *continued*

#### GROUP 2002 CULTURAL STUDIES

This group covers cultural studies. It includes the cultural impacts of marketing and advertising.

This group has thirteen fields:

- 200201 Aboriginal and Torres Strait Islander Cultural Studies
- 200202 Asian Cultural Studies
- 200203 Consumption and Everyday Life
- 200204 Cultural Theory
- 200205 Culture, Gender, Sexuality
- 200206 Globalisation and Culture
- 200207 Māori Cultural Studies
- 200208 Migrant Cultural Studies
- 200209 Multicultural, Intercultural and Cross-cultural Studies
- 200210 Pacific Cultural Studies
- 200211 Postcolonial Studies
- 200212 Screen and Media Culture
- 200299 Cultural Studies not elsewhere classified

#### **Exclusions:**

- a) Marketing and advertising, other than their social or cultural impacts, are included in Group 1505 Marketing.
- b) Film, television and digital media are included in Group 1902 Film, Television and Digital Media.
- c) Intercultural communication and the social impacts of marketing and advertising are included in Group 2001 Communication and Media Studies.
- d) Language in culture is included in Group 2004 Linguistics.
- e) Cultural conservation is included in Group 2102 Curatorial and Related Studies.

## FIELDS OF RESEARCH *continued*

### DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE *continued*

#### GROUP 2003 LANGUAGE STUDIES

This group covers language studies. It includes comparative language studies and translation and interpretation studies.

This group has twenty-four fields:

- 200301 Early English Languages
- 200302 English Language
- 200303 English as a Second Language
- 200304 Central and Eastern European Languages (incl. Russian)
- 200305 Latin and Classical Greek Languages
- 200306 French Language
- 200307 German Language
- 200308 Iberian Languages
- 200309 Italian Language
- 200310 Other European Languages
- 200311 Chinese Languages
- 200312 Japanese Language
- 200313 Indonesian Languages
- 200314 South-East Asian Languages (excl. Indonesian)
- 200315 Indian Languages
- 200316 Korean Language
- 200317 Other Asian Languages (excl. South-East Asian)
- 200318 Middle Eastern Languages
- 200319 Aboriginal and Torres Strait Islander Languages
- 200320 Pacific Languages
- 200321 Te Reo Māori (Māori Language)
- 200322 Comparative Language Studies
- 200323 Translation and Interpretation Studies
- 200399 Language Studies not elsewhere classified

#### Exclusions:

- a) Writing is included in Division 19 Studies in Creative Arts and Writing.
- b) Linguistics is included in Group 2004 Linguistics.
- c) Literary studies are included in Group 2005 Literary Studies.
- d) Philosophy of language is included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

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### DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE *continued*

#### GROUP 2004 LINGUISTICS

This group covers linguistics.

This group has nine fields:

- 200401 Applied Linguistics and Educational Linguistics
- 200402 Computational Linguistics
- 200403 Discourse and Pragmatics
- 200404 Laboratory Phonetics and Speech Science
- 200405 Language in Culture and Society (Sociolinguistics)
- 200406 Language in Time and Space (incl. Historical Linguistics, Dialectology)
- 200407 Lexicography
- 200408 Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
- 200499 Linguistics not elsewhere classified

#### **Exclusions:**

- a) Linguistic anthropology is included in Group 1601 Anthropology.
- b) Linguistic processes are included in Group 1702 Cognitive Sciences.
- c) Language studies are included in Group 2003 Language Studies.
- d) Philosophy of language is included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

### DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE *continued*

#### GROUP 2005 LITERARY STUDIES

This group covers literature and literary studies.

It includes:

- comparative literature studies;
- literary theory; and
- stylistics and textual analysis.

This group has twenty-seven fields:

- 200501 Aboriginal and Torres Strait Islander Literature
- 200502 Australian Literature (excl. Aboriginal and Torres Strait Islander Literature)
- 200503 British and Irish Literature
- 200504 Māori Literature
- 200505 New Zealand Literature (excl. Māori Literature)
- 200506 North American Literature
- 200507 Pacific Literature
- 200508 Other Literatures in English
- 200509 Central and Eastern European Literature (incl. Russian)
- 200510 Latin and Classical Greek Literature
- 200511 Literature in French
- 200512 Literature in German
- 200513 Literature in Italian
- 200514 Literature in Spanish and Portuguese
- 200515 Other European Literature
- 200516 Indonesian Literature
- 200517 Literature in Chinese
- 200518 Literature in Japanese
- 200519 South-East Asian Literature (excl. Indonesian)
- 200520 Indian Literature
- 200521 Korean Literature
- 200522 Other Asian Literature (excl. South-East Asian)
- 200523 Middle Eastern Literature
- 200524 Comparative Literature Studies
- 200525 Literary Theory
- 200526 Stylistics and Textual Analysis
- 200599 Literary Studies not elsewhere classified

#### Exclusions:

- a) Writing is included in Division 19 Studies in Creative Arts and Writing.
- b) Language studies are included in Group 2003 Language Studies.
- c) Biography is included in Group 2103 Historical Studies.

## FIELDS OF RESEARCH *continued*

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### DIVISION 20 LANGUAGE, COMMUNICATION AND CULTURE *continued*

#### GROUP 2099 OTHER LANGUAGE, COMMUNICATION AND CULTURE

This group covers language, communication and culture not elsewhere classified.

This group has one field:

209999 Language, Communication and Culture not elsewhere classified

#### **Exclusions:**

- a) Communications technologies are included in Group 1005 Communications Technologies.
- b) Marketing and advertising, other than their social or cultural impacts, are included in Group 1505 Marketing.
- c) Linguistic anthropology is included in Group 1601 Anthropology.
- d) Linguistic processes are included in Group 1702 Cognitive Sciences.
- e) Film, television, digital media, creative writing, professional writing and journalism are included in Division 19 Studies in Creative Arts and Writing.
- f) Cultural conservation is included in Group 2102 Curatorial and Related Studies.
- g) Biography is included in Group 2103 Historical Studies.
- h) History and philosophy of the humanities are included in Group 2202 History and Philosophy of Specific Fields.
- i) Philosophy of language is included in Group 2203 Philosophy.

**DIVISION 21 HISTORY AND ARCHAEOLOGY**

This division covers history and archaeology. It includes curatorial and related studies.

This division has four groups:

- 2101 Archaeology
- 2102 Curatorial and Related Studies
- 2103 Historical Studies
- 2199 Other History and Archaeology

**Exclusions:**

- a) Librarianship is included in Group 0807 Library and Information Studies.
- b) History of architecture is included in Group 1201 Architecture.
- c) History of design is included in Group 1203 Design Practice and Management.
- d) History of the built environment is included in Group 1205 Urban and Regional Planning.
- e) Anthropology is included in Group 1601 Anthropology.
- f) Art history is included in Group 1901 Art Theory and Criticism.
- g) Cultural studies are included in Group 2002 Cultural Studies.
- h) History of specific concepts or fields of study which defy geographical classification other than architecture, design, built environment and art are included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 2101 ARCHAEOLOGY**

This group covers archaeology.

This group has eleven fields:

- 210101 Aboriginal and Torres Strait Islander Archaeology
- 210102 Archaeological Science
- 210103 Archaeology of Asia, Africa and the Americas
- 210104 Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)
- 210105 Archaeology of Europe, the Mediterranean and the Levant
- 210106 Archaeology of New Guinea and Pacific Islands (excl. New Zealand)
- 210107 Archaeology of New Zealand (excl. Māori)
- 210108 Historical Archaeology (incl. Industrial Archaeology)
- 210109 Māori Archaeology
- 210110 Maritime Archaeology
- 210199 Archaeology not elsewhere classified

**Exclusions:**

- a) Remote sensing and surveying are included in Group 0909 Geomatic Engineering.
- b) Anthropology is included in Group 1601 Anthropology.



**DIVISION 21 HISTORY AND ARCHAEOLOGY** *continued*

**GROUP 2102 CURATORIAL AND RELATED STUDIES**

This group covers curatorial and related studies. It includes heritage and cultural conservation.

This group has five fields:

- 210201 Archival, Repository and Related Studies
- 210202 Heritage and Cultural Conservation
- 210203 Materials Conservation
- 210204 Museum Studies
- 210299 Curatorial and Related Studies not elsewhere classified

**Exclusions:**

- a) Librarianship is included in Group 0807 Library and Information Studies.
- b) Cultural studies are included in Group 2002 Cultural Studies.

**GROUP 2103 HISTORICAL STUDIES**

This group covers the study of the history of peoples, nations or geographic regions. It includes biography.

This group has fourteen fields:

- 210301 Aboriginal and Torres Strait Islander History
- 210302 Asian History
- 210303 Australian History (excl. Aboriginal and Torres Strait Islander History)
- 210304 Biography
- 210305 British History
- 210306 Classical Greek and Roman History
- 210307 European History (excl. British, Classical Greek and Roman)
- 210308 Latin American History
- 210309 Māori History
- 210310 Middle Eastern and African History
- 210311 New Zealand History
- 210312 North American History
- 210313 Pacific History (excl. New Zealand and Māori)
- 210399 Historical Studies not elsewhere classified

**Exclusions:**

- a) History of architecture is included in Group 1201 Architecture.
- b) History of design is included in Group 1203 Design Practice and Management.
- c) History of the built environment is included in Group 1205 Urban and Regional Planning.
- d) Art history is included in Group 1901 Art Theory and Criticism.
- e) History of specific concepts or fields of study which defy geographical classification other than architecture, design, built environment and art are included in Group 2202 History and Philosophy of Specific Fields.

## FIELDS OF RESEARCH *continued*

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### DIVISION 21 HISTORY AND ARCHAEOLOGY *continued*

#### GROUP 2199 OTHER HISTORY AND ARCHAEOLOGY

This group covers history and archaeology not elsewhere classified.

This group has one field:

219999 History and Archaeology not elsewhere classified

#### **Exclusions:**

- a) Librarianship is included in Group 0807 Library and Information Studies.
- b) History of architecture is included in Group 1201 Architecture.
- c) History of design is included in Group 1203 Design Practice and Management.
- d) History of the built environment is included in Group 1205 Urban and Regional Planning.
- e) Anthropology is included in Group 1601 Anthropology.
- f) Art history is included in Group 1901 Art Theory and Criticism.
- g) Cultural studies are included in Group 2002 Cultural Studies.
- h) History of specific concepts or fields of study which defy geographical classification other than architecture, design, built environment and art are included in Group 2202 History and Philosophy of Specific Fields.

## **DIVISION 22 PHILOSOPHY AND RELIGIOUS STUDIES**

This division covers philosophy and religious studies. It includes the history and philosophy of specific fields.

This division has five groups:

- 2201 Applied Ethics
- 2202 History and Philosophy of Specific Fields
- 2203 Philosophy
- 2204 Religion and Religious Studies
- 2299 Other Philosophy and Religious Studies

### **Exclusions:**

- a) Mathematical logic is included in Group 0101 Pure Mathematics.
- b) Humane treatment of animals in agriculture, domestic or sporting environments is included in Group 0702 Animal Production.
- c) History of architecture is included in Group 1201 Architecture.
- d) History of design is included in Group 1203 Design Practice and Management.
- e) History of the built environment is included in Group 1205 Urban and Regional Planning.
- f) Political philosophy is included in Group 1606 Political Science.
- g) Sociology and social studies of science and technology is included in Group 1608 Sociology.
- h) Psychology of religion is included in Group 1701 Psychology.
- i) Human rights law is included in Group 1801 Law.
- j) Art history is included in Group 1901 Art Theory and Criticism.
- k) Language studies are included in Group 2003 Language Studies.
- l) Historical linguistics is included in Group 2004 Linguistics.
- m) History of peoples, nations or geographic areas is included in Group 2103 Historical Studies.

## **GROUP 2201 APPLIED ETHICS**

This group covers applied ethics. It included human rights and justice issues.

This group has eight fields:

- 220101 Bioethics (human and animal)
- 220102 Business Ethics
- 220103 Ethical Use of New Technology (e.g. Nanotechnology, Biotechnology)
- 220104 Human Rights and Justice Issues
- 220105 Legal Ethics
- 220106 Medical Ethics
- 220107 Professional Ethics (incl. police and research ethics)
- 220199 Applied Ethics not elsewhere classified

### **Exclusions:**

- a) Humane treatment of animals in agriculture, domestic or sporting environments is included in Group 0702 Animal Production.
- b) Human rights law is included in Group 1801 Law.
- c) Ethical theory and environmental philosophy, including environmental ethics, is included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

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### DIVISION 22 PHILOSOPHY AND RELIGIOUS STUDIES *continued*

#### GROUP 2202 HISTORY AND PHILOSOPHY OF SPECIFIC FIELDS

This group covers the history and philosophy of specific concepts or fields of study which defy geographical classification.

This group has eleven fields:

- 220201 Business and Labour History
- 220202 History and Philosophy of Education
- 220203 History and Philosophy of Engineering and Technology
- 220204 History and Philosophy of Law and Justice
- 220205 History and Philosophy of Medicine
- 220206 History and Philosophy of Science (incl. Non-historical Philosophy of Science)
- 220207 History and Philosophy of the Humanities
- 220208 History and Philosophy of the Social Sciences
- 220209 History of Ideas
- 220210 History of Philosophy
- 220299 History and Philosophy of Specific Fields not elsewhere classified

#### **Exclusions:**

- a) History of architecture is included in Group 1201 Architecture.
- b) History of design is included in Group 1203 Design Practice and Management.
- c) History of the built environment is included in Group 1205 Urban and Regional Planning.
- d) Sociology and social studies of science and technology is included in Group 1608 Sociology.
- e) Art history is included in Group 1901 Art Theory and Criticism.
- f) Historical linguistics is included in Group 2004 Linguistics.
- g) History of peoples, nations or geographic areas is included in Group 2103 Historical Studies.

**DIVISION 22 PHILOSOPHY AND RELIGIOUS STUDIES** *continued*

**GROUP 2203 PHILOSOPHY**

This group covers philosophy.

This group has twenty fields:

- 220301 Aesthetics
- 220302 Decision Theory
- 220303 Environmental Philosophy
- 220304 Epistemology
- 220305 Ethical Theory
- 220306 Feminist Theory
- 220307 Hermeneutic and Critical Theory
- 220308 Logic
- 220309 Metaphysics
- 220310 Phenomenology
- 220311 Philosophical Psychology (incl. Moral Psychology and Philosophy of Action)
- 220312 Philosophy of Cognition
- 220313 Philosophy of Language
- 220314 Philosophy of Mind (excl. Cognition)
- 220315 Philosophy of Religion
- 220316 Philosophy of Specific Cultures (incl. Comparative Philosophy)
- 220317 Poststructuralism
- 220318 Psychoanalytic Philosophy
- 220319 Social Philosophy
- 220399 Philosophy not elsewhere classified

**Exclusions:**

- a) Mathematical logic is included in Group 0101 Pure Mathematics.
- b) Political philosophy is included in Group 1606 Political Science.
- c) Applied ethics is included in Group 2201 Applied Ethics.
- d) History of philosophy and the history and philosophy of specific fields of study are included in Group 2202 History and Philosophy of Specific Fields.

**GROUP 2204 RELIGION AND RELIGIOUS STUDIES**

This group covers the study of religion. It includes comparative religious studies.

This group has eight fields:

- 220401 Christian Studies (incl. Biblical Studies and Church History)
- 220402 Comparative Religious Studies
- 220403 Islamic Studies
- 220404 Jewish Studies
- 220405 Religion and Society
- 220406 Studies in Eastern Religious Traditions
- 220407 Studies in Religious Traditions (excl. Eastern, Jewish, Christian and Islamic Traditions)
- 220499 Religion and Religious Studies not elsewhere classified

**Exclusions:**

- a) Psychology of religion is included in Group 1701 Psychology.
- b) Language studies are included in Group 2003 Language Studies.
- c) Philosophy of religion is included in Group 2203 Philosophy.

## FIELDS OF RESEARCH *continued*

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### DIVISION 22 PHILOSOPHY AND RELIGIOUS STUDIES *continued*

#### GROUP 2299 OTHER PHILOSOPHY AND RELIGIOUS STUDIES

This group covers philosophy and religious studies not elsewhere classified.

This group has one field:

229999 Philosophy and Religious Studies not elsewhere classified

#### **Exclusions:**

- a) Mathematical logic is included in Group 0101 Pure Mathematics.
- b) Humane treatment of animals in agriculture, domestic or sporting environments is included in Group 0702 Animal Production.
- c) History of architecture is included in Group 1201 Architecture.
- d) History of design is included in Group 1203 Design Practice and Management.
- e) History of the built environment is included in Group 1205 Urban and Regional Planning.
- f) Political philosophy is included in Group 1606 Political Science.
- g) Sociology and social studies of science and technology is included in Group 1608 Sociology.
- h) Psychology of religion is included in Group 1701 Psychology.
- i) Human rights law is included in Group 1801 Law.
- j) Art history is included in Group 1901 Art Theory and Criticism.
- k) Language studies are included in Group 2003 Language Studies.
- l) Historical linguistics is included in Group 2004 Linguistics.
- m) History of peoples, nations or geographic areas is included in Group 2103 Historical Studies.

## CHAPTER 4 SOCIO-ECONOMIC OBJECTIVE

### NATURE AND PURPOSE OF THE SEO CLASSIFICATION

The ANZSRC SEO classification allows R&D activity in Australia and New Zealand to be categorised according to the intended purpose or outcome of the research, rather than the processes or techniques used in order to achieve this objective.

The purpose categories include processes, products, health, education and other social and environmental aspects in Australia and New Zealand that R&D activity aims to improve.

### STRUCTURE OF THE SEO CLASSIFICATION

The SEO is a hierarchical classification with four levels, namely Sector (letter), Divisions (2 digits), Groups (4 digits) and Objectives (6 digits).

While the Sector forms part of the hierarchical structure of the SEO, it is used only for grouping divisions for publication of R&D data, not for data collection. Sectors are identified by a letter, and the lower levels of the classification are identified by unique numbers.

Each Division is based on a broad research objective. Groups within each Division are those which are aligned towards the same objective as the Division. Each Group is a collection of related research Objectives. Groups and research objectives are categorised to the Divisions with which they are most closely aligned.

Due to their unique nature some divisions have only one group within them. The Defence and Expanding Knowledge divisions each contain only one group. However, these divisions still follow hierarchical principles and contain a number of objectives.

The hierarchical structure of the SEO is illustrated below:

Level	Example
Sector	B Economic Development
Division	86 Manufacturing
Group	8607 Agricultural Chemicals
Objective	860702 Chemical Fertilisers

### EXPANDING KNOWLEDGE

Sector E Expanding Knowledge is for the categorisation of R&D which does not have an identifiable socio-economic objective. This is usually the case for pure basic research or strategic basic research, as defined in the Type of Activity classification. Applied research and experimental development, by definition, have an identified socio-economic objective and therefore should not be categorised in this sector.

### PRINCIPLES FOR RECOGNISING SOCIO-ECONOMIC OBJECTIVES OF RESEARCH

The conceptual framework adopted for the development of the SEO uses R&D activities according to the objective or outcome of the research undertaken, rather than the processes and techniques used in the R&D.

The development started with the ASRC 1998, and identified research categories that reported very little funding in the past three ABS R&D surveys were either merged with other categories or deleted, but only in consultation with experts in the respective areas. Alternatively, Divisions or Groups which are highly active, as judged by experts and evidenced in ABS surveys, and able to be split further have been disaggregated into new

PRINCIPLES FOR  
RECOGNISING  
SOCIO-ECONOMIC  
OBJECTIVES OF RESEARCH  
*continued*

Groups and Objectives allowing for greater detail of data to be collected. Additionally, research objectives identified by experts as emerging and significant have been added.

In parallel, research categories significant in New Zealand assembled by Statistics NZ from consultations with their stakeholders have been incorporated.

GUIDELINES FOR  
CLASSIFYING BY SEO

Consistent use of the following general procedures should ensure consistent and successful use of the classification among users.

A research project or research program should first be considered in its broadest sense and in terms of the dominant beneficiary of the research output at the conclusion of the research project or research program. A research project or research program is to be allocated to a SEO objective in a hierarchical manner. This is achieved by:

- first determining the most relevant sector in which the largest component of the research project or research program is being performed; then
- determining the most relevant division within that sector; then
- determining the most relevant group within that division; and then
- determining the most relevant objective within that group.

Many R&D projects will be a homogeneous body of work directed towards a specific objective. These are more straightforward to categorise. However, if the project or program is sufficiently large or complex (in terms of research areas) then multiple fields should be selected and attributed with a proportion of resources relative to the project's or program's total R&D expenditure. If the disaggregation is difficult, consideration of relative importance may indicate a primary objective only (whether a specific or more general subject focus).

Where a defined objective cannot be identified within a group for a research project or research program, the 'not elsewhere classified' category at the objective level is to be used.

SEO SECTOR AND  
DIVISION CODES AND  
TITLES

*Sector A: Defence*

81 Defence

*Sector B: Economic Development*

82 Plant Production and Plant Primary Products

83 Animal Production and Animal Primary Products

84 Mineral Resources (excl. Energy Resources)

85 Energy

86 Manufacturing

87 Construction

88 Transport

89 Information and Communication Services

90 Commercial Services and Tourism

91 Economic Framework



SEO SECTOR AND  
DIVISION CODES AND  
TITLES *continued*

- Sector C: Society
- 92 Health
  - 93 Education and Training
  - 94 Law, Politics and Community Services
  - 95 Cultural Understanding

Sector D: Environment

- 96 Environment

Sector E: Expanding Knowledge

- 97 Expanding Knowledge

At times it can be useful to view groupings of research objectives from alternative perspectives, which do not align with the SEO's division structure.

ALTERNATIVE GROUPINGS  
OF SEO OBJECTIVES

Besides the primary structure, alternative groupings are provided to aid the understanding of research from different cultural perspectives which are unique to Australia and New Zealand.

The following alternative groupings of selected SEO objectives are provided here:

- Aboriginal and Torres Strait Islander Outcomes
- Māori Outcomes
- Pacific Peoples Outcomes

DEFINITION OF PACIFIC PEOPLES

*Note:* "Pacific peoples" are those people who identify with or feel they belong to one or more Pacific ethnicities. The term applies to a person who has emigrated from one of the lesser islands of the Pacific to Australia or New Zealand, or one of their descendants born in Australia or New Zealand. While the majority of these people originate from Polynesia, others come from Micronesia and Melanesia. This definition excludes Aboriginal and Torres Strait Islanders, and New Zealand Māori.

ABORIGINAL AND TORRES STRAIT ISLANDER OUTCOMES

- 920301 Aboriginal and Torres Strait Islander Health - Determinants of Health
- 920302 Aboriginal and Torres Strait Islander Health - Health Status and Outcomes
- 920303 Aboriginal and Torres Strait Islander Health - Health System Performance  
(incl. Effectiveness of Interventions)
- 939901 Aboriginal and Torres Strait Islander Education
- 940102 Aboriginal and Torres Strait Islander Development and Welfare
- 950302 Conserving Aboriginal and Torres Strait Islander Heritage

## CHAPTER 4 SOCIO-ECONOMIC OBJECTIVE *continued*

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ALTERNATIVE GROUPINGS  
OF SEO OBJECTIVES  
*continued*

MAORI OUTCOMES

- 920304 Māori Health - Determinants of Health
- 920305 Māori Health - Health Status and Outcomes
- 920306 Māori Health - Health System Performance (incl. Effectiveness of Interventions)
- 939905 Māori Education
- 940114 Māori Development and Welfare
- 950301 Āhuetanga Māori (Māori Tradition)
- 950308 Mātauranga Māori (Māori Knowledge)
- 950309 Taonga (Māori Artefacts)
- 950310 Tikanga Māori (Māori Customary Practices)
- 950311 Wahi Taonga (Māori Places of Significance)

PACIFIC PEOPLES OUTCOMES

- 920307 Pacific Peoples Health - Determinants Of Health
- 920308 Pacific Peoples Health - Health Status and Outcomes
- 920309 Pacific Peoples Health - Health System Performance (incl. Effectiveness of Interventions)
- 939906 Pacific Peoples Education
- 940115 Pacific Peoples Development and Welfare
- 950306 Conserving Pacific Peoples Heritage

## **SOCIO-ECONOMIC OBJECTIVE**

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### **SECTOR A DEFENCE**

This sector covers R&D directed towards the development of defence or national security, and the development and testing of military or defence related equipment and materials. It includes R&D undertaken for military reasons regardless of their content or whether they have secondary civil applications, and nuclear and space R&D undertaken for military purposes.

This sector has one division.

**DIVISION 81 DEFENCE**

This division has one group.

**GROUP 8101 DEFENCE**

This group has ten objectives:

- 810101 Air Force
- 810102 Army
- 810103 Command, Control and Communications
- 810104 Emerging Defence Technologies
- 810105 Intelligence
- 810106 Logistics
- 810107 National Security
- 810108 Navy
- 810109 Personnel
- 810199 Defence not elsewhere classified

**Exclusions:**

- a) Improvement of methods of producing or processing military or defence related equipment and materials are included in the appropriate groups in other divisions, e.g. military transport equipment is included in Group 8613 Transport Equipment.
- b) Civil oriented projects although funded by defence agencies are included in the appropriate groups in other divisions, e.g. communication is included in Group 8901 Communication Networks and Services.
- c) Development of measurement standards and calibration for defence related products and processes are included in Group 9105 Measurement Standards and Calibration Services.
- d) R&D directed towards improving relationship with other countries for the purpose of improving national and international defence and security is included in Group 9403 International Relations.

**SECTOR B ECONOMIC DEVELOPMENT**

This sector covers R&D which is directed towards the improvement of economic and industrial activities, and towards the framework in which the economy operates. Such improvements may have wider benefits, but these are not the principal objectives.

This sector has ten divisions:

- 82 Plant Production and Plant Primary Products
- 83 Animal Production and Animal Primary Products
- 84 Mineral Resources (excl. Energy Resources)
- 85 Energy
- 86 Manufacturing
- 87 Construction
- 88 Transport
- 89 Information and Communication Services
- 90 Commercial Services and Tourism
- 91 Economic Framework

**Exclusions:**

- a) The provision of medical, health, education, training, community and cultural services on a non-commercial basis is included in Sector C Society.
- b) The improvement of the environment without the principal objective of improving economic activities is included in Sector D Environment.

## **DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS**

This division covers R&D directed towards improving the characteristics, propagation and growing of crops, plantation forests and the production of associated primary plant products.

It includes:

- forestry;
- horticultural, grain and oilseed crops;
- crops principally intended for industrial applications (industrial crops);
- post-harvest processing, preparation, handling, and storage of primary plant products; and
- environmentally sustainable plant production.

This division has eight groups.

- 8201 Forestry
- 8202 Horticultural Crops
- 8203 Industrial Crops
- 8204 Summer Grains and Oilseeds
- 8205 Winter Grains and Oilseeds
- 8206 Harvesting and Packing of Plant Products
- 8298 Environmentally Sustainable Plant Production
- 8299 Other Plant Production and Plant Primary Products

### **Exclusions:**

- a) Growing of pasture, browse and fodder crops, other than cereals grown either partially or entirely for use as fodder or feed grain, is included in Division 83 Animal Production and Animal Primary Products.
- b) Production of biofuels from plant products is included in Group 8503 Preparation and Production of Energy Sources.
- c) Manufacture of processed plant products and their primary products other than biofuels is included in Division 86 Manufacturing.
- d) Transportation of plants and plant products other than forest products is included in Division 88 Transport.
- e) Operation of irrigation systems and the provision of waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management enterprises are included in Group 9004 Water and Waste Services.
- f) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.

**DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

**GROUP 8201 FORESTRY**

This group covers R&D directed towards improving the operation, maintenance and protection (including forest fire fighting and control) of native forests, softwood and hardwood plantations. It includes harvesting and transportation of wood and other forest products from forests and plantations and the integration of farm and forestry.

This group has six objectives:

- 820101 Hardwood Plantations
- 820102 Harvesting and Transport of Forest Products
- 820103 Integration of Farm and Forestry
- 820104 Native Forests
- 820105 Softwood Plantations
- 820199 Forestry not elsewhere classified

**Exclusions:**

- a) Management of environmental impacts from forestry is included in Group 8298 Environmentally Sustainable Plant Production.
- b) Processing or manufacture of wood, wood and paper products other than prefabricated wooden buildings or wooden furniture is included in Group 8605 Wood, Wood Products and Paper.
- c) Manufacture of prefabricated wooden buildings and wooden furniture is included in Group 8699 Other Manufacturing.
- d) Forest fires that do not affect forestry or other agricultural production are included in Group 9610 Natural Hazards.

**DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

**GROUP 8202 HORTICULTURAL CROPS**

This group covers R&D directed towards improving the characteristics, propagation and growing of horticultural crops.

It includes:

- fruit, vegetables and nuts;
- mushrooms;
- ornamental plants, nursery plants and Australian and New Zealand native plants.

This group has sixteen objectives:

- 820201 Almonds
- 820202 Berry Fruit (excl. Kiwifruit)
- 820203 Citrus Fruit
- 820204 Hops
- 820205 Kiwifruit
- 820206 Macadamias
- 820207 Mushrooms and Truffles
- 820208 Olives
- 820209 Ornamentals, Natives, Flowers and Nursery Plants
- 820210 Pome Fruit, Pip Fruit
- 820211 Stone Fruit
- 820212 Table Grapes
- 820213 Tree Nuts (excl. Almonds and Macadamias)
- 820214 Tropical Fruit
- 820215 Vegetables
- 820299 Horticultural Crops not elsewhere classified

**Exclusions:**

- a) Wine grapes are included in Group 8203 Industrial Crops.
- b) Harvesting and packing of fresh fruits and vegetables is included in Group 8206 Harvesting and Packing of Plant Products.
- c) Management of environmental impacts from production of horticultural crops is included in Group 8298 Environmentally Sustainable Plant Production.
- d) Manufacture of any processed products from horticultural plants is included in Division 86 Manufacturing.
- e) Operation of irrigation systems is included in Group 9004 Water and Waste Services.



**DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

**GROUP 8203 INDUSTRIAL CROPS**

This group covers R&D directed towards improving the characteristics and growing of crops principally intended for industrial applications such as sugar cane, cotton, wine grapes, tobacco, and plants from which essential oils are extracted.

This group has seven objectives:

- 820301 Cotton
- 820302 Essential Oil Crops (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)
- 820303 Plant Extract Crops (e.g. Pyrethrum, Jojoba)
- 820304 Sugar
- 820305 Tobacco
- 820306 Wine Grapes
- 820399 Industrial Crops not elsewhere classified

**Exclusions:**

- a) Table grapes are included in Group 8202 Horticultural Crops.
- b) Harvesting and packing of unprocessed industrial crops is included in Group 8206 Harvesting and Packing of Plant Products.
- c) Management of environmental impacts from production of industrial crops is included in Group 8298 Environmentally Sustainable Plant Production.
- d) Manufacture of processed products from these plants is included in Division 86 Manufacturing.
- e) Operation of irrigation systems is included in Group 9004 Water and Waste Services.

**GROUP 8204 SUMMER GRAINS AND OILSEEDS**

This group covers R&D directed towards improving the characteristics and growing of summer grains and oilseeds, including cereals grown either partially or entirely for use as fodder or feed grain.

This group has six objectives:

- 820401 Maize
- 820402 Rice
- 820403 Safflower Seed
- 820404 Sorghum
- 820405 Soybeans
- 820499 Summer Grains and Oilseeds not elsewhere classified

**Exclusions:**

- a) Harvesting and packing of unprocessed grains and oilseeds is included in Group 8206 Harvesting and Packing of Plant Products.
- b) Management of environmental impacts from production of summer grains and oilseeds is included in Group 8298 Environmentally Sustainable Plant Production.
- c) Manufacture of processed products from these plants is included in Division 86 Manufacturing.
- d) Operation of irrigation systems is included in Group 9004 Water and Waste Services.

**DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

**GROUP 8205 WINTER GRAINS AND OILSEEDS**

This group covers R&D directed towards improving the characteristics and growing of winter grains and oilseeds, including cereals grown either partially or entirely for use as fodder or feed grain.

This group has eight objectives:

- 820501 Barley
- 820502 Canola
- 820503 Grain Legumes
- 820504 Linseed
- 820505 Lupins
- 820506 Oats
- 820507 Wheat
- 820599 Winter Grains and Oilseeds not elsewhere classified

**Exclusions:**

- a) Harvesting and packing of unprocessed grains and oilseeds is included in Group 8206 Harvesting and Packing of Plant Products.
- b) Management of environmental impacts from production of winter grains and oilseeds is included in Group 8298 Environmentally Sustainable Plant Production.
- c) Manufacture of processed products from these plants is included in Division 86 Manufacturing.
- d) Operation of irrigation systems is included in Group 9004 Water and Waste Services.

**GROUP 8206 HARVESTING AND PACKING OF PLANT PRODUCTS**

This group covers R&D directed towards improving technologies, processes and methods used for harvesting, handling and packing of plant products, other than forest products.

This group has eight objectives:

- 820601 Cotton Lint and Cotton Seed
- 820602 Fresh Fruits and Vegetables (Post Harvest)
- 820603 Sugar Cane (Cut for Crushing)
- 820604 Tobacco Leaf
- 820605 Unprocessed Grains
- 820606 Unprocessed Industrial Crops (excl. Sugar, Tobacco and Cotton)
- 820607 Unprocessed Oilseeds
- 820699 Harvesting and Packing of Plant Products not elsewhere classified

**Exclusions:**

- a) Harvesting and transport of forest products is included in Group 8201 Forestry.
- b) Improvement of the characteristics, propagation and growing of crops from which these plant products are obtained are included in Groups 8202 Horticultural Crops, 8203 Industrial Crops, 8204 Summer Grains and Oilseeds and 8205 Winter Grains and Oilseeds.
- c) Production of biofuels from plant products is included in Group 8503 Preparation and Production of Energy Sources.
- d) Manufacture of products other than biofuels from further processing of these plant products is included in Division 86 Manufacturing.
- e) Transportation of plant products other than forest products is included in Division 88 Transport.

## SOCIO-ECONOMIC OBJECTIVE *continued*

### DIVISION 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS *continued*

#### GROUP 8298 ENVIRONMENTALLY SUSTAINABLE PLANT PRODUCTION

This group covers R&D directed towards environmentally sustainable production of plants and plant primary products by minimising the generation of emissions and waste and by reducing or optimising the consumption of water and other natural resources.

This group has six objectives:

- 829801 Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
- 829802 Management of Greenhouse Gas Emissions from Plant Production
- 829803 Management of Liquid Waste from Plant Production (excl. Water)
- 829804 Management of Solid Waste from Plant Production
- 829805 Management of Water Consumption by Plant Production
- 829899 Environmentally Sustainable Plant Production not elsewhere classified

#### Exclusions:

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management enterprises are included in Group 9004 Water and Waste Services.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.

#### GROUP 8299 OTHER PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS

This group covers R&D directed towards plant production and plant primary products not elsewhere classified. It includes the traceability and quality assurance of plant products.

This group has three objectives:

- 829901 Forest Product Traceability and Quality Assurance
- 829902 Plant Product Traceability and Quality Assurance (excl. Forest Products)
- 829999 Plant Production and Plant Primary Products not elsewhere classified

#### Exclusions:

- a) Growing of pasture, browse and fodder crops, other than cereals grown either partially or entirely for use as fodder or feed grain, is included in Division 83 Animal Production and Animal Primary Products.
- b) Production of biofuels from plant products is included in Group 8503 Preparation and Production of Energy Sources.
- c) Manufacture of processed plant products and their primary products other than biofuels is included in Division 86 Manufacturing.
- d) Transportation of plants and plant products other than forest products is included in Division 88 Transport.
- e) Operation of irrigation systems and the provision of waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management enterprises are included in Group 9004 Water and Waste Services.
- f) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.

**DIVISION 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS**

This division covers R&D directed towards breeding and farming livestock and the production of associated primary livestock products.

It includes:

- growing pasture, browse and fodder crops;
- aquaculture, commercial and recreational fishing;
- the preparation of primary livestock products; and
- environmentally sustainable animal production.

This division has seven groups.

- 8301 Fisheries - Aquaculture
- 8302 Fisheries - Wild Caught
- 8303 Livestock Raising
- 8304 Pasture, Browse and Fodder Crops
- 8305 Primary Animal Products
- 8398 Environmentally Sustainable Animal Production
- 8399 Other Animal Production and Animal Primary Products

**Exclusions:**

- a) Cereal crops grown for both grain and fodder or for feed grain or fodder alone are included in Division 82 Plant Production and Plant Primary Products.
- b) The manufacture of processed animal products, including fish, and their primary products is included in the appropriate groups in Division 86 Manufacturing.
- c) Transportation of live animals or animal products is included in Division 88 Transport.
- d) Operation of irrigation systems and the provision of waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management enterprises are included in Group 9004 Water and Waste Services.
- e) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.

**DIVISION 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS** *continued*

**GROUP 8301 FISHERIES - AQUACULTURE**

This group covers R&D directed towards improving the characteristics and harvesting of fisheries grown or farmed in aquaculture either for commercial or other reasons.

This group has eight objectives:

- 830101 Aquaculture Crustaceans (excl. Rock Lobster and Prawns)
- 830102 Aquaculture Fin Fish (excl. Tuna)
- 830103 Aquaculture Molluscs (excl. Oysters)
- 830104 Aquaculture Oysters
- 830105 Aquaculture Prawns
- 830106 Aquaculture Rock Lobster
- 830107 Aquaculture Tuna
- 830199 Fisheries - Aquaculture not elsewhere classified

**Exclusions:**

- a) Improving the characteristics and harvesting of fisheries caught in the wild is included in Group 8302 Fisheries – Wild Caught.
- b) Preparation, handling and storage of unprocessed or minimally processed fish is included in Group 8305 Primary Animal Products.
- c) Fish welfare and fish products traceability and quality assurance are included in Group 8399 Other Animal Production and Animal Primary Products.
- d) Manufacture of processed fish and seafood products and their primary products is included in Group 8601 Processed Food Products and Beverages (excl. Dairy Products).

**GROUP 8302 FISHERIES - WILD CAUGHT**

This group covers R&D directed towards improving the characteristics and harvesting of fisheries caught in the wild for commercial or recreational reasons.

This group has eight objectives:

- 830201 Fisheries – Recreational
- 830202 Wild Caught Crustaceans (excl. Rock Lobster and Prawns)
- 830203 Wild Caught Edible Molluscs
- 830204 Wild Caught Fin Fish (excl. Tuna)
- 830205 Wild Caught Prawns
- 830206 Wild Caught Rock Lobster
- 830207 Wild Caught Tuna
- 830299 Fisheries – Wild Caught not elsewhere classified

**Exclusions:**

- a) Improvement of the characteristics and harvesting of aquaculture fisheries is included in Group 8301 Fisheries – Aquaculture.
- b) Preparation, handling and storage of unprocessed or minimally processed fisheries products is included in Group 8305 Primary Animal Products.
- c) Fish welfare and fish products traceability and quality assurance are included in Group 8399 Other Animal Production and Animal Primary Products.
- d) Manufacture of processed fish and seafood products and their primary products is included in Group 8601 Processed Food Products and Beverages (excl. Dairy Products).

**DIVISION 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS** *continued*

**GROUP 8303 LIVESTOCK RAISING**

This group covers R&D directed towards farming or breeding livestock. It includes beekeeping and pet breeding.

This group has twelve objectives:

- 830301 Beef Cattle
- 830302 Dairy Cattle
- 830303 Deer
- 830304 Goats
- 830305 Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)
- 830306 Horses
- 830307 Minor Livestock (e.g. Alpacas, Ostriches, Crocodiles, Farmed Rabbits)
- 830308 Pigs
- 830309 Poultry
- 830310 Sheep - Meat
- 830311 Sheep - Wool
- 830399 Livestock Raising not elsewhere classified

**Exclusions:**

- a) Preparation, handling, and storage of primary livestock products, e.g. unprocessed milk, raw wool, raw hides and skins, is included in Group 8305 Primary Animal Products.
- b) Animal welfare and livestock product traceability and quality assurance are included in Group 8399 Other Animal Production and Animal Primary Products.
- c) Manufacture of processed livestock products, e.g. processed milk and processed skins, is included in Division 86 Manufacturing.

**GROUP 8304 PASTURE, BROWSE AND FODDER CROPS**

This group covers R&D directed towards growing sown legumes, sown grasses, browse and fodder crops, native vegetation and any other pasture crops. It includes R&D directed towards harvesting, preparation and storage of pasture, browse and fodder crops.

This group has seven objectives:

- 830401 Browse Crops
- 830402 Lucerne
- 830403 Native and Residual Pastures
- 830404 Non-Cereal Crops for Hay
- 830405 Non-Cereal Crops for Silage/Green Feed
- 830406 Sown Pastures (excl. Lucerne)
- 830499 Pasture, Browse and Fodder Crops not elsewhere classified

**Exclusions:**

- a) Growing grain, oilseed, industrial and horticultural crops, including cereals grown either partially or entirely for use as fodder or feed grain is included in Division 82 Plant Production and Plant Primary Products.
- b) Operation of irrigation systems is included in Group 9004 Water and Waste Services.

**DIVISION 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS** *continued*

**GROUP 8305 PRIMARY ANIMAL PRODUCTS**

This group covers R&D directed towards improving the preparation, handling or storage of primary animal products such as eggs, honey, raw wool, unprocessed or minimally processed fish or milk, and other animal fibres, hides and skins.

This group has eight objectives:

- 830501 Eggs
- 830502 Honey
- 830503 Live Animals
- 830504 Pearls
- 830505 Raw Wool
- 830506 Unprocessed or Minimally Processed Fish
- 830507 Unprocessed or Minimally Processed Milk
- 830599 Primary Animal Products not elsewhere classified

**Exclusions:**

- a) Improving the characteristics and harvesting of fisheries is included in Groups 8301 Fisheries – Aquaculture and 8302 Fisheries – Wild Caught.
- b) Raising livestock from which these products are obtained is included in Group 8303 Livestock Raising.
- c) Animal welfare is included in Group 8399 Other Animal Production and Animal Primary Products.
- d) Manufacture of processed products from primary animal products is included in Division 86 Manufacturing.
- e) Transportation of live animals or animal products is included in Division 88 Transport.

**GROUP 8398 ENVIRONMENTALLY SUSTAINABLE ANIMAL PRODUCTION**

This group covers R&D directed towards environmentally sustainable production of animals and animal primary products by minimising the generation of emissions and waste and by reducing or optimising the consumption of water and other natural resources.

This group has six objectives:

- 839801 Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)
- 839802 Management of Greenhouse Gas Emissions from Animal Production
- 839803 Management of Liquid Waste from Animal Production (excl. Water)
- 839804 Management of Solid Waste from Animal Production
- 839805 Management of Water Consumption by Animal Production
- 839899 Environmentally Sustainable Animal Production not elsewhere classified

**Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS *continued*

#### GROUP 8399 OTHER ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS

This group covers R&D directed towards animal production and animal primary products not elsewhere classified.

It includes:

- animal welfare, both in agricultural production and in domestic situations; and
- traceability and quality assurance of livestock and fish products.

This group has four objectives:

839901 Animal Welfare

839902 Fish Product Traceability and Quality Assurance

839903 Livestock Product Traceability and Quality Assurance

839999 Animal Production and Animal Primary Products not elsewhere classified

#### **Exclusions:**

- a) Cereal crops grown for both grain and fodder or for feed grain or fodder alone are included in Division 82 Plant Production and Plant Primary Products.
- b) The manufacture of processed animal products, including fish, and their primary products is included in the appropriate groups in Division 86 Manufacturing.
- c) Transportation of live animals or animal products is included in Division 88 Transport.
- d) Operation of irrigation systems and the provision of waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management enterprises are included in Group 9004 Water and Waste Services.
- e) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in agricultural environments are included in Division 96 Environment.



**DIVISION 84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES)**

This division covers R&D which primarily benefits or has application to the exploration, mining, extraction and processing of mineral resources, other than energy mineral resources. It includes R&D directed towards environmentally sustainable exploration, extraction and processing of mineral resources.

This division has five groups.

- 8401 Mineral Exploration
- 8402 Primary Mining and Extraction of Mineral Resources
- 8403 First Stage Treatment of Ores and Minerals
- 8498 Environmentally Sustainable Mineral Resource Activities
- 8499 Other Mineral Resources (excl. Energy Resources)

**Exclusions:**

- a) Exploration, mining, extraction, and preparation of energy mineral resources and energy conservation and efficiency are included in Division 85 Energy.
- b) Manufacture of processed products from mineral resources, including refining and smelting, is included in Division 86 Manufacturing.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

**GROUP 8401 MINERAL EXPLORATION**

This group covers R&D directed towards exploration for minerals, other than energy mineral resources. It includes precious and semi-precious stones and mineral sands.

This group has nine objectives:

- 840101 Aluminium Ore Exploration
- 840102 Copper Ore Exploration
- 840103 Diamond Exploration
- 840104 Iron Ore Exploration
- 840105 Precious (Noble) Metal Ore Exploration
- 840106 Stone and Clay Exploration
- 840107 Titanium Minerals, Zircon, and Rare Earth Metal Ore (e.g. Monazite) Exploration
- 840108 Zinc Ore Exploration
- 840199 Mineral Exploration not elsewhere classified

**Exclusions:**

- a) Exploration for energy mineral resources is included in Group 8501 Energy Exploration.
- b) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

**DIVISION 84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES)** *continued*

**GROUP 8402 PRIMARY MINING AND EXTRACTION OF MINERAL RESOURCES**

This group covers R&D directed towards mining and extracting minerals, other than energy mineral resources. It includes precious and semi-precious stones and mineral sands.

This group has nine objectives:

- 840201 Mining and Extraction of Aluminium Ores
- 840202 Mining and Extraction of Copper Ores
- 840203 Mining and Extraction of Diamonds
- 840204 Mining and Extraction of Iron Ores
- 840205 Mining and Extraction of Precious (Noble) Metal Ores
- 840206 Mining and Extraction of Stone and Clay
- 840207 Mining and Extraction of Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)
- 840208 Mining and Extraction of Zinc Ores
- 840299 Primary Mining and Extraction of Mineral Resources not elsewhere classified

**Exclusions:**

- a) Mining and extraction of energy mineral resources are included in Group 8502 Mining and Extraction of Energy Resources.
- b) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

**GROUP 8403 FIRST STAGE TREATMENT OF ORES AND MINERALS**

This group covers R&D directed towards processing minerals, other than energy mineral resources.

It includes:

- beneficiated iron ore and other base metal intermediates;
- alumina and other non-ferrous metal intermediates;
- precious metals, heavy mineral sands and other mineral and metal ore intermediate products; and
- processing diamonds and other precious and semi-precious stones prior to the cut gem stage.

This group has seven objectives:

- 840301 Alumina Production
- 840302 Beneficiation of Bauxite and Aluminium Ores (excl. Alumina Production)
- 840303 Beneficiation or Dressing of Iron Ores
- 840304 Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)
- 840305 Concentrating Processes of Base Metal Ores (excl. Aluminium and Iron Ores)
- 840306 Production of Unrefined Precious Metal Ingots and Concentrates
- 840399 First Stage Treatment of Ores and Minerals not elsewhere classified

**Exclusions:**

- a) Preparation and supply of energy mineral resources is included in Group 8503 Preparation and Production of Energy Sources.
- b) Manufacture of processed mineral products (including refining and smelting) is included in Groups 8610 Ceramics, Glass and Industrial Mineral Products and 8611 Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding).
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES) *continued*

#### GROUP 8498 ENVIRONMENTALLY SUSTAINABLE MINERAL RESOURCE ACTIVITIES

This group covers R&D directed towards environmentally sustainable exploration, mining, extraction, and processing of mineral resources, other than energy mineral resources, by minimising the generation of wastes and by reducing or optimising the consumption of water and other natural resources.

This group has six objectives:

- 849801 Management of Gaseous Waste from Mineral Resource Activities (excl. Greenhouse Gases)
- 849802 Management of Greenhouse Gas Emissions from Mineral Resource Activities
- 849803 Management of Liquid Waste from Mineral Resource Activities (excl. Water)
- 849804 Management of Solid Waste from Mineral Resource Activities
- 849805 Management of Water Consumption by Mineral Resource Activities
- 849899 Environmentally Sustainable Mineral Resource Activities not elsewhere classified

#### Exclusions:

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Energy conservation and efficiency in mining activities is included in Group 8507 Energy Conservation and Efficiency.
- c) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- d) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

#### GROUP 8499 OTHER MINERAL RESOURCES (EXCL. ENERGY RESOURCES)

This group covers R&D directed towards mineral resource activities, other than energy mineral resource activities, not elsewhere classified.

This group has one objective:

- 849999 Mineral Resources (excl. Energy Resources) not elsewhere classified

#### Exclusions:

- a) Exploration, mining, extraction, and preparation of energy mineral resources and energy conservation and efficiency are included in Division 85 Energy.
- b) Manufacture of processed products from mineral resources, including refining and smelting, is included in Division 86 Manufacturing.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

## **DIVISION 85 ENERGY**

This division covers R&D directed towards energy resources and the supply of energy.

It includes:

- exploration, mining, extraction, preparation and supply of energy mineral resources;
- energy production, transformation, storage, distribution and supply;
- efficient use and conservation of energy; and
- environmental sustainability of energy activities.

This division has nine groups.

- 8501 Energy Exploration
- 8502 Mining and Extraction of Energy Resources
- 8503 Preparation and Production of Energy Sources
- 8504 Energy Transformation
- 8505 Renewable Energy
- 8506 Energy Storage, Distribution and Supply
- 8507 Energy Conservation and Efficiency
- 8598 Environmentally Sustainable Energy Activities
- 8599 Other Energy

### **Exclusions:**

- a) The characteristics, propagation, growing and harvesting of crops for use as biomass or conversion to biofuels is included in Division 82 Plant Production and Plant Primary Products.
- b) Production of non-energy mineral resources is included in Division 84 Mineral Resources (excl. Energy Resources).
- c) Manufacture of processed products from energy mineral resources (e.g. lubricants, plastics, synthetic resins and paints) is included in Division 86 Manufacturing.
- d) Design of buildings to minimise energy consumption in the finished building is included in Group 8702 Construction Design.
- e) Distribution of non-energy products, other than water, through pipelines is included in Group 8899 Other Transport.
- f) Water distribution and waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- g) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments or other environments affected by energy activities and greenhouse gas sequestration are included in Division 96 Environment.

**DIVISION 85 ENERGY** *continued*

**GROUP 8501 ENERGY EXPLORATION**

This group covers R&D directed towards exploration for energy mineral and geothermal energy resources.

This group has six objectives:

- 850101 Coal Exploration
- 850102 Geothermal Exploration
- 850103 Oil and Gas Exploration
- 850104 Oil Shale and Tar Sands Exploration
- 850105 Uranium Exploration
- 850199 Energy Exploration not elsewhere classified

**Exclusions:**

- a) Exploration for non-energy mineral resources is included in Group 8401 Mineral Exploration.
- b) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

**GROUP 8502 MINING AND EXTRACTION OF ENERGY RESOURCES**

This group covers R&D directed towards mining and extracting energy mineral resources, as well as the extraction of geothermal energy.

This group has six objectives:

- 850201 Coal Mining and Extraction
- 850202 Geothermal Energy Extraction
- 850203 Oil and Gas Extraction
- 850204 Oil Shale and Tar Sands Mining and Extraction
- 850205 Uranium Mining and Extraction
- 850299 Mining and Extraction of Energy Resources not elsewhere classified

**Exclusions:**

- a) Mining and extraction of non-energy mineral resources are included in Group 8402 Primary Mining and Extraction of Mineral Resources.
- b) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments are included in Division 96 Environment.

**DIVISION 85 ENERGY** *continued*

**GROUP 8503 PREPARATION AND PRODUCTION OF ENERGY SOURCES**

This group covers R&D directed towards the preparation and supply of energy resources, including the production of hydrogen from other energy sources and biofuel production.

This group has ten objectives:

- 850301 Hydrogen Production from Fossil Fuels
- 850302 Hydrogen Production from Nuclear Energy
- 850303 Hydrogen Production from Renewable Energy
- 850304 Oil and Gas Refining
- 850305 Preparation of Black Coal
- 850306 Preparation of Brown Coal (Lignite)
- 850307 Preparation of Oil Shale and Tar Sands
- 850308 Preparation of Uranium
- 850309 Production of Biofuels (Biomass)
- 850399 Preparation and Production of Energy Sources not elsewhere classified

**Exclusions:**

- a) The characteristics, propagation, growing and harvesting of crops for use as biomass or conversion to biofuels is included in Division 82 Plant Production and Plant Primary Products.
- b) The processing of non-energy mineral resources is included in Group 8403 First Stage Treatment of Ores and Minerals.

**GROUP 8504 ENERGY TRANSFORMATION**

This group covers R&D directed towards the transformation of energy resource minerals into heat, steam or electricity; and the conversion of coal, natural gas, oil shale and tar sands to liquid fuels. It includes hydrogen-based energy systems and fuel cells.

This group has eleven objectives:

- 850401 Fuel Cells (excl. Solid Oxide)
- 850402 Hydrogen-based Energy Systems (incl. Internal Hydrogen Combustion Engines)
- 850403 Nuclear Energy
- 850404 Solid Oxide Fuel Cells
- 850405 Transformation of Black Coal into Electricity
- 850406 Transformation of Brown Coal (Lignite) into Electricity
- 850407 Transformation of Coal into Gaseous Fuels
- 850408 Transformation of Coal into Liquid Fuels
- 850409 Transformation of Gas into Electricity
- 850410 Transformation of Gas into Liquid Fuels
- 850499 Energy Transformation not elsewhere classified

**Exclusions:**

- a) Transformation of renewable energy resources into heat, steam or electricity is included in Group 8505 Renewable Energy.
- b) Engines for use in transport other than internal hydrogen combustion engines are included in Group 8613 Transport Equipment.

**DIVISION 85 ENERGY** *continued*

**GROUP 8505 RENEWABLE ENERGY**

This group covers R&D directed towards the conversion of renewable energy resources into heat, steam or electricity, and improving the generation and supply of renewable energy.

This group has ten objectives:

- 850501 Biofuel (Biomass) Energy
- 850502 Geothermal Energy
- 850503 Hydro-Electric Energy
- 850504 Solar-Photovoltaic Energy
- 850505 Solar-Thermal Electric Energy
- 850506 Solar-Thermal Energy
- 850507 Tidal Energy
- 850508 Wave Energy
- 850509 Wind Energy
- 850599 Renewable Energy not elsewhere classified

**Exclusions:**

- a) Hydrogen production from renewable energy sources is included in Group 8503 Preparation and Production of Energy Sources.
- b) Fuel cells and hydrogen-based energy systems are included in Group 8504 Energy Transformation.

**GROUP 8506 ENERGY STORAGE, DISTRIBUTION AND SUPPLY**

This group covers R&D directed towards improving energy distribution including electricity and gas transmission and distribution.

It includes:

- energy storage;
- energy systems analysis;
- transmission and distribution of energy and energy products through cabling and pipelines;
- supply of energy and energy products to commerce, industry and households.

This group has seven objectives:

- 850601 Energy Services and Utilities
- 850602 Energy Storage (excl. Hydrogen)
- 850603 Energy Systems Analysis
- 850604 Energy Transmission and Distribution (excl. Hydrogen)
- 850605 Hydrogen Distribution
- 850606 Hydrogen Storage
- 850699 Energy Storage, Distribution and Supply not elsewhere classified

**Exclusions:**

- a) Distribution of non-energy products, other than water, through pipelines is included in Group 8899 Other Transport.
- b) Distribution of water is included in Group 9004 Water and Waste Services.

**DIVISION 85 ENERGY** *continued*

**GROUP 8507 ENERGY CONSERVATION AND EFFICIENCY**

This group covers R&D directed towards the conservation and efficient use of energy in industry, transport, commerce and households. It includes energy used in forms such as petroleum products, electricity, gas, coke and briquettes and in the form of heat energy.

This group has five objectives:

- 850701 Commercial Energy Conservation and Efficiency
- 850702 Energy Conservation and Efficiency in Transport
- 850703 Industrial Energy Conservation and Efficiency
- 850704 Residential Energy Conservation and Efficiency
- 850799 Energy Conservation and Efficiency not elsewhere classified

**Exclusions:**

- a) Design of buildings to minimise energy consumption in the finished building is included in Group 8702 Construction Design.

**GROUP 8598 ENVIRONMENTALLY SUSTAINABLE ENERGY ACTIVITIES**

This group covers R&D directed towards environmentally sustainable exploration, mining, extraction, preparation and processing of energy mineral resources, and the transformation, storage, distribution and supply of energy by minimising the generation of emissions and wastes and by reducing or optimising the consumption of water and other natural resources.

This group has seven objectives:

- 859801 Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)
- 859802 Management of Greenhouse Gas Emissions from Electricity Generation
- 859803 Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)
- 859804 Management of Liquid Waste from Energy Activities (excl. Water)
- 859805 Management of Solid Waste from Energy Activities
- 859806 Management of Water Consumption by Energy Activities
- 859899 Environmentally Sustainable Energy Activities not elsewhere classified

**Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments or other environments affected by energy activities and greenhouse gas sequestration are included in Division 96 Environment.



**DIVISION 85 ENERGY** *continued*

**GROUP 8599 OTHER ENERGY**

This group covers R&D directed towards energy activities not elsewhere classified.

This group has one objective:

859999 Energy not elsewhere classified

**Exclusions:**

- a) The characteristics, propagation, growing and harvesting of crops for use as biomass or conversion to biofuels is included in Division 82 Plant Production and Plant Primary Products.
- b) Production of non-energy mineral resources is included in Division 84 Mineral Resources (excl. Energy Resources).
- c) Manufacture of processed products from energy mineral resources (e.g. lubricants, plastics, synthetic resins and paints) is included in Division 86 Manufacturing.
- d) Design of buildings to minimise energy consumption in the finished building is included in Group 8702 Construction Design.
- e) Distribution of non-energy products, other than water, through pipelines is included in Group 8899 Other Transport.
- f) Water distribution and waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- g) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in mining environments or other environments affected by energy activities and greenhouse gas sequestration are included in Division 96 Environment.

## **DIVISION 86 MANUFACTURING**

This division covers R&D directed towards refining and developing processes or strategies for transforming processed or unprocessed materials or components into new products.

It also includes R&D directed towards environmentally sustainable production of manufactured products and materials.

This division has nineteen groups.

- 8601 Processed Food Products and Beverages (excl. Dairy Products)
- 8602 Dairy Products
- 8603 Processed Non-Food Agriculture Products (excl. Wood, Paper and Fibre)
- 8604 Leather Products, Fibre Processing and Textiles
- 8605 Wood, Wood Products and Paper
- 8606 Industrial Chemicals and Related Products
- 8607 Agricultural Chemicals
- 8608 Human Pharmaceutical Products
- 8609 Veterinary Pharmaceutical Products
- 8610 Ceramics, Glass and Industrial Mineral Products
- 8611 Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding)
- 8612 Fabricated Metal Products
- 8613 Transport Equipment
- 8614 Machinery and Equipment
- 8615 Instrumentation
- 8616 Computer Hardware and Electronic Equipment
- 8617 Communication Equipment
- 8698 Environmentally Sustainable Manufacturing
- 8699 Other Manufacturing

### **Exclusions:**

- a) Production of unprocessed or semi-processed plant primary products is included in Division 82 Plant Production and Plant Primary Products.
- b) Production of animals from which raw materials for manufactured products are obtained are included in Division 83 Animal Production and Animal Primary Products.
- c) Mining, extraction, and first stage processing of minerals are included in Division 84 Mineral Resources (excl. Energy Resources).
- d) Energy conservation and efficiency and the mining, extraction, and processing of energy resources used for the manufacture of products are included in Division 85 Energy.
- e) The construction of transport infrastructure, installation of communication equipment and testing of the performance, durability and life cycle of manufactured building materials is included in Division 87 Construction.
- f) Transport infrastructure (excluding its construction) is included in Division 88 Transport.
- g) Use of electronic and communication equipment in communication networks and services is included in Group 8901 Communication Networks and Services.
- h) Development of computer software and the provision of programming services are included in Group 8902 Computer Software and Services.
- i) Printing and publishing of newspapers is included in Group 8904 Media Services.
- j) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- k) Provision of measurement standards and calibration services for machinery, appliances and equipment is included in Group 9105 Measurement Standards and Calibration Services.

**DIVISION 86 MANUFACTURING** *continued*

- l) Use of human pharmaceutical products for treatment of human diseases and disorders and manufacturing related environmental health issues are included in the Division 92 Health.

**GROUP 8601 PROCESSED FOOD PRODUCTS AND BEVERAGES (EXCL. DAIRY PRODUCTS)**

This group covers R&D directed towards the manufacture of processed food and beverage products. It includes carcass meat, nutraceuticals and functional foods.

This group has twelve objectives:

- 860101 Bakery Products
- 860102 Beverages (excl. Fruit Juices)
- 860103 Carcass Meat (incl. Fish and Seafood)
- 860104 Flour Mill and Cereal Food
- 860105 Nutraceuticals and Functional Foods
- 860106 Oils and Fats (incl. Margarines)
- 860107 Processed Fish and Seafood Products
- 860108 Processed Fruit and Vegetable Products (incl. Fruit Juices)
- 860109 Processed Meat Products
- 860110 Soy Products
- 860111 Sugar and Confectionery Products
- 860199 Processed Food Products and Beverages (excl. Dairy Products) not elsewhere classified

**Exclusions:**

- a) Production of unprocessed or semi-processed plant primary products is included in Division 82 Plant Production and Plant Primary Products.
- b) Production of unprocessed or semi-processed animal primary products is included in Division 83 Animal Production and Animal Primary Products.
- c) Processing of milk into dairy products is included in Group 8602 Dairy Products.
- d) Production of feed for animal consumption is included in Group 8603 Processed Non-Food Agriculture Products (excl. Wood, Paper and Fibre).

**GROUP 8602 DAIRY PRODUCTS**

This group covers products derived from animal milk.

This group has six objectives:

- 860201 Butter and Milk-Derived Fats and Oils (excl. Cream)
- 860202 Casein
- 860203 Cheese
- 860204 Processed Milk and Cream (incl. Powder, Evaporated and Condensed)
- 860205 Whey
- 860299 Dairy Products not elsewhere classified

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8603 PROCESSED NON-FOOD AGRICULTURE PRODUCTS (EXCL. WOOD, PAPER AND FIBRE)**

This group covers R&D directed towards the processing of agricultural products not intended for human consumption, other than wood, paper and fibre products.

It includes:

- processing of plant extracts and essential oils;
- processing of organic fertilisers; and
- manufacture of animal feed.

This group has five objectives:

860301 Essential Oils (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)

860302 Organic Fertilisers

860303 Plant Extracts (e.g. Pyrethrum, Alkaloids, Jojoba Oil)

860304 Prepared Animal Feed

860399 Processed Non-Food Agricultural Products (excl. Wood, Paper and Fibre) not elsewhere classified

**Exclusions:**

- a) Production of whole plants, plant parts, and unprocessed or semi-processed plant primary products used for plant extracts or extraction of essential oils is included in Division 82 Plant Production and Plant Primary Products.
- b) Processing of agricultural products for food is included in Groups 8601 Processed Food Products and Beverages (excl. Dairy Products) and 8602 Dairy Products.
- c) Production of products from natural rubber is included in Group 8606 Industrial Chemicals and Related Products.

**GROUP 8604 LEATHER PRODUCTS, FIBRE PROCESSING AND TEXTILES**

This group covers R&D directed towards the production of leather and textile products and fibre processing.

It includes:

- leather tanning and fur dressing;
- manufacturing footwear;
- manufacturing processed skins, leather and leather products;
- processing natural or synthetic fibres; and
- manufacturing of fabrics, clothing, ropes and twines, floor coverings and other made-up textile products.

This group has eight objectives:

860401 Clothing

860402 Cotton Ginning

860403 Natural Fibres, Yarns and Fabrics

860404 Non-Fabric Textiles (e.g. Felt)

860405 Processed Skins, Leather and Leather Products

860406 Synthetic Fibres, Yarns and Fabrics

860407 Wool Scouring and Top Making

860499 Leather Products, Fibre Processing and Textiles not elsewhere classified

**Exclusions:**

- a) Productions of plants or animals from which raw materials for these manufactured products are obtained are included in Division 82 Plant Production and Plant Primary Products or Division 83 Animal Production and Animal Primary Products.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8605 WOOD, WOOD PRODUCTS AND PAPER**

This group covers R&D directed towards the processing of wood, and the manufacture of wood products, paper and paper products.

It includes:

- log sawmilling and wood chipping;
- timber dressing;
- manufacturing of wooden structural fittings;
- manufacturing of plywood and veneer and particle boards of wood;
- manufacturing of wood pulp and paper;
- manufacturing of paper products; and
- printing and publishing processes.

This group has six objectives:

- 860501 Paper Products (incl. Coated Paper)
- 860502 Printing and Publishing Processes
- 860503 Pulp and Paper
- 860504 Reconstituted Timber Products (e.g. Chipboard, Particleboard)
- 860505 Wood Sawing and Veneer
- 860599 Wood, Wood Products and Paper not elsewhere classified

**Exclusions:**

- a) Harvest and transportation of logs and forest products is included in Group 8201 Forestry.
- b) Prefabrication of wooden buildings and the manufacture of wooden furniture are included in Group 8699 Other Manufacturing.
- c) Printing and publishing of newspapers and other media publications is included in Group 8904 Media Services.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8606 INDUSTRIAL CHEMICALS AND RELATED PRODUCTS**

This group covers R&D directed towards the manufacture of industrial chemicals and related products, including those derived from oil and gas refining.

It includes:

- industrial gases;
- rubber, synthetic resins and plastics;
- industrial chemicals, both organic and inorganic;
- lubricants and bituminous products; and
- soap, detergents, cosmetics and other toiletries.

This group has ten objectives:

860601 Industrial Gases

860602 Inorganic Industrial Chemicals

860603 Lubricants

860604 Organic Industrial Chemicals (excl. Resins, Rubber and Plastics)

860605 Paints

860606 Plastics in Primary Forms

860607 Plastic Products (incl. Construction Materials)

860608 Rubber and Synthetic Resins

860609 Soaps and Cosmetics

860699 Industrial Chemicals and Related Products not elsewhere classified

**Exclusions:**

- a) Mining, extraction, and processing of energy resources used for the manufacture of industrial chemicals and products and the production of chemicals intended for use as an energy source are included in Division 85 Energy.
- b) Manufacture of agricultural chemicals is included in Group 8607 Agricultural Chemicals.
- c) Manufacture of human pharmaceutical products is included in Group 8608 Human Pharmaceutical Products.
- d) Manufacture of veterinary pharmaceutical products is included in Group 8609 Veterinary Pharmaceutical Products.

**GROUP 8607 AGRICULTURAL CHEMICALS**

This group covers R&D directed towards the manufacture of chemical fertilisers and chemicals for the protection of crops and livestock.

This group has four objectives:

860701 Animal Protection Chemicals

860702 Chemical Fertilisers

860703 Crop Protection Chemicals

860799 Agricultural Chemicals not elsewhere classified

**Exclusions:**

- a) Organic fertilisers and the manufacture of plant extracts which may be used as insecticides or repellents (e.g. pyrethrum) are included in Group 8603 Processed Non-Food Agriculture Products (excl. Wood, Paper and Fibre).
- b) Manufacture of veterinary pharmaceuticals is included in Group 8609 Veterinary Pharmaceutical Products.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8608 HUMAN PHARMACEUTICAL PRODUCTS**

This group covers R&D directed towards the manufacture of pharmaceutical products used in the prevention, diagnosis and treatment of human diseases.

This group has four objectives:

- 860801 Human Biological Preventatives (e.g. Vaccines)
- 860802 Human Diagnostics
- 860803 Human Pharmaceutical Treatments (e.g. Antibiotics)
- 860899 Human Pharmaceutical Products not elsewhere classified

**Exclusions:**

- a) Production of nutraceuticals is included in Group 8601 Processed Food Products and Beverages (excl. Dairy Products).
- b) Development of programs for the treatment of human diseases and disorders using human pharmaceutical products is included in the Division 92 Health.

**GROUP 8609 VETERINARY PHARMACEUTICAL PRODUCTS**

This group covers R&D directed towards the manufacture of pharmaceutical products used in the prevention, diagnosis and treatment of veterinary diseases.

This group has four objectives:

- 860901 Veterinary Biological Preventatives (e.g. Vaccines)
- 860902 Veterinary Diagnostics
- 860903 Veterinary Pharmaceutical Treatments (e.g. Antibiotics)
- 860999 Veterinary Pharmaceutical Products not elsewhere classified

**Exclusions:**

- a) Manufacture of plant extracts which may be used as insecticides or repellents (e.g. pyrethrum) is included in Group 8603 Processed Non-food Agriculture Products (excl. Wood, Paper and Fibre).
- b) Manufacture of synthetic insecticides is included in Group 8607 Agricultural Chemicals.

**GROUP 8610 CERAMICS, GLASS AND INDUSTRIAL MINERAL PRODUCTS**

This group covers R&D directed towards the manufacture of ceramics, glass and glass products and industrial mineral products, including clay, cement and concrete products. It includes R&D directed towards the manufacture of plaster and non-metallic mineral products.

This group has six objectives:

- 861001 Cement Products and Concrete Materials
- 861002 Ceramics
- 861003 Clay Products
- 861004 Plaster and Plaster Products
- 861005 Structural Glass and Glass Products
- 861099 Ceramics, Glass and Industrial Mineral Products not elsewhere classified

**Exclusions:**

- a) Mining, extraction, and first stage processing of stone, clay, sand and ores used for the manufacture of ceramics, glass and industrial mineral products are included in Division 84 Mineral Resources (excl. Energy Resources).
- b) Testing the performance and durability and life cycle of building materials is included in Group 8703 Construction Materials Performance and Processes.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8611 BASIC METAL PRODUCTS (INCL. SMELTING, ROLLING, DRAWING AND EXTRUDING)**

This group covers R&D directed towards the manufacture of basic metal products, such as cast metal. It includes R&D directed towards smelting, rolling, drawing and extruding.

This group has six objectives:

- 861101 Basic Aluminium Products
- 861102 Basic Copper Products
- 861103 Basic Iron and Steel Products
- 861104 Basic Precious Metal Products
- 861105 Basic Zinc Products
- 861199 Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding) not elsewhere classified

**Exclusions:**

- a) Treatment and beneficiation of metal ores to produce ingots used for the manufacture of basic metal products is included in Group 8403 First Stage Treatment of Ores and Minerals.
- b) Fabricated and semi-finished metal products are included in Group 8612 Fabricated Metal Products.
- c) Testing of the performance, durability and life cycle of manufactured building materials is included in Division 87 Construction.

**GROUP 8612 FABRICATED METAL PRODUCTS**

This group covers R&D directed towards the manufacture of structural and sheet metal products, castings, machined and semi-finished fabricated metal products.

It includes:

- structural steel;
- architectural aluminium;
- metal containers and sheet metal products;
- hand tools, general hardware, springs, nuts, rivets and non-ferrous pipe fittings.

This group has seven objectives:

- 861201 Coated Metal and Metal-Coated Products
- 861202 Machined Metal Products
- 861203 Metal Castings
- 861204 Semi-Finished Metal Products
- 861205 Sheet Metal Products
- 861206 Structural Metal Products
- 861299 Fabricated Metal Products not elsewhere classified

**Exclusions:**

- a) Basic metal products is included in Group 8611 Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding).
- b) Prefabrication of metal buildings and manufacture of sheet metal furniture is included in Group 8699 Other Manufacturing.
- c) Testing of the performance, durability and life cycle of manufactured building materials is included in Division 87 Construction.



**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8613 TRANSPORT EQUIPMENT**

This group covers R&D directed towards the manufacture and repair of transport equipment, including their components.

It includes:

- motor vehicles;
- railway rolling stock;
- aircraft; and
- ships and boats.

This group has six objectives:

- 861301 Aerospace Equipment
- 861302 Automotive Equipment
- 861303 Nautical Equipment (excl. Yachts)
- 861304 Rail Equipment
- 861305 Yachts
- 861399 Transport Equipment not elsewhere classified

**Exclusions:**

- a) Internal hydrogen combustion engines are included in Group 8504 Energy Transformation.
- b) Construction of transport infrastructure is included in Division 87 Construction.
- c) Transport infrastructure (other than its construction) is included in Division 88 Transport.

**GROUP 8614 MACHINERY AND EQUIPMENT**

This group covers R&D directed towards the manufacture of machinery and equipment. It includes household electrical appliances and whitewares.

This group has five objectives:

- 861401 Agricultural Machinery and Equipment
- 861402 Appliances and Electrical Machinery and Equipment
- 861403 Industrial Machinery and Equipment
- 861404 Mining Machinery and Equipment
- 861499 Machinery and Equipment not elsewhere classified

**Exclusions:**

- a) Computers and electronic equipment, including consumer electronic equipment, is included in Group 8616 Computer Hardware and Electronic Equipment.

**GROUP 8615 INSTRUMENTATION**

This group covers R&D directed towards the manufacture of instruments and instrumentation.

This group has four objectives:

- 861501 Industrial Instruments
- 861502 Medical Instruments
- 861503 Scientific Instruments
- 861599 Instrumentation not elsewhere classified

**Exclusions:**

- a) Development and provision of measurement standards and calibration services for machinery, appliances and equipment is included in Group 9105 Measurement Standards and Calibration Services.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8616 COMPUTER HARDWARE AND ELECTRONIC EQUIPMENT**

This group covers R&D directed towards the manufacture of computer hardware and electronic equipment, including consumer electronic equipment.

This group has seven objectives:

- 861601 Computer and Electronic Office Equipment
- 861602 Consumer Electronic Equipment (excl. Communication Equipment)
- 861603 Integrated Circuits and Devices
- 861604 Integrated Systems
- 861605 Processor Modules
- 861606 Satellite Navigation Equipment
- 861699 Computer Hardware and Electronic Equipment not elsewhere classified

**Exclusions:**

- a) Whitewares, electrical appliances, machinery and equipment is included in Group 8614 Machinery and Equipment.
- b) Communication equipment is included in Group 8617 Communication Equipment.
- c) Development of computer software and the provision of programming services are included in Group 8902 Computer Software and Services.

**GROUP 8617 COMMUNICATION EQUIPMENT**

This group covers R&D directed towards the manufacture of communication equipment.

It includes:

- equipment used for broadcasting, data, voice or image transmission;
- network transmission and switching equipment; and
- telemetry and equipment used for remote monitoring and control.

This group has four objectives:

- 861701 Network Infrastructure Equipment
- 861702 Telemetry Equipment
- 861703 Voice and Data Equipment
- 861799 Communication Equipment not elsewhere classified

**Exclusions:**

- a) Electronic equipment for uses outside communications is included in Group 8616 Computer Hardware and Electronic Equipment.
- b) Installation of communications equipment in buildings is included in Group 8705 Building Management and Services.
- c) Use of electronic and communication equipment in communication networks and services is included in Group 8901 Communication Networks and Services.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8698 ENVIRONMENTALLY SUSTAINABLE MANUFACTURING**

This group covers R&D directed towards environmentally sustainable production of manufactured materials by minimising the generation of emissions and wastes and by reducing or optimising the consumption of water and other natural resources.

This group has six objectives:

- 869801 Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
- 869802 Management of Greenhouse Gas Emissions from Manufacturing Activities
- 869803 Management of Liquid Waste from Manufacturing Activities (excl. Water)
- 869804 Management of Solid Waste from Manufacturing Activities
- 869805 Management of Water Consumption by Manufacturing Activities
- 869899 Environmentally Sustainable Manufacturing not elsewhere classified

**Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Energy conservation and efficiency in manufacturing processes is included in Group 8507 Energy Conservation and Efficiency.
- c) Industrial processing of wastes and scrap to manufacture new products is included in the appropriate groups in Division 86 Manufacturing.
- d) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- e) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in urban and industrial environments or other environments affected by manufacturing activities are included in Division 96 Environment.

**DIVISION 86 MANUFACTURING** *continued*

**GROUP 8699 OTHER MANUFACTURING**

This group covers R&D directed towards the manufacture of tobacco products, furniture, prefabricated buildings and other products not classified elsewhere.

This group has two objectives:

869901 Furniture

869999 Manufacturing not elsewhere classified

**Exclusions:**

- a) Production of unprocessed or semi-processed plant primary products is included in Division 82 Plant Production and Plant Primary Products.
- b) Production of animals from which raw materials for manufactured products are obtained are included in Division 83 Animal Production and Animal Primary Products.
- c) Mining, extraction, and first stage processing of minerals are included in Division 84 Mineral Resources (excl. Energy Resources).
- d) Energy conservation and efficiency and the mining, extraction, and processing of energy resources used for the manufacture of products are included in Division 85 Energy.
- e) The construction of transport infrastructure, installation of communication equipment and testing of the performance, durability and life cycle of manufactured building materials is included in Division 87 Construction.
- f) Transport infrastructure (excluding its construction) is included in Division 88 Transport.
- g) Use of electronic and communication equipment in communication networks and services is included in Group 8901 Communication Networks and Services.
- h) Development of computer software and the provision of programming services are included in Group 8902 Computer Software and Services.
- i) Printing and publishing of newspapers is included in Group 8904 Media Services.
- j) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- k) Provision of measurement standards and calibration services for machinery, appliances and equipment is included in Group 9105 Measurement Standards and Calibration Services.
- l) Use of human pharmaceutical products for treatment of human diseases and disorders and manufacturing related environmental health issues are included in the Division 92 Health.

## **DIVISION 87 CONSTRUCTION**

This division covers R&D directed towards construction activities.

It includes:

- use and performance of building materials and the processes for which they are used;
- functions of engineering, planning, design, management and building services in the construction industry;
- development and supply of components and materials which are assembled and placed on site to form buildings, but manufactured off-site;
- design, supply and installation of building services; and
- environmental sustainability of construction activities.

This division has seven groups.

- 8701 Construction Planning
- 8702 Construction Design
- 8703 Construction Materials Performance and Processes
- 8704 Construction Processes
- 8705 Building Management and Services
- 8798 Environmentally Sustainable Construction
- 8799 Other Construction

### **Exclusions:**

- a) Energy conservation and efficiency in construction activities is included in Group 8507 Energy Conservation and Efficiency.
- b) Manufacture of materials used in construction is included in the appropriate groups in Division 86 Manufacturing.
- c) Transport planning unrelated to urban planning is included in Division 88 Transport.
- d) Provision of communications services is included in Group 8901 Communication Networks and Services.
- e) Property services (e.g. property developers, real estate agents, alarm and surveillance services) are included in Group 9002 Property, Business Support Services and Trade.
- f) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- g) Construction related environmental health issues are included in Group 9204 Public Health (excl. Specific Population Health).
- h) Conservation of historic buildings and structures and heritage aspects of urban and regional planning are included in Group 9503 Heritage.
- i) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; environmental and natural resource evaluation; environmental policy, legislation and standards; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in urban and industrial environments or other environments affected by construction activities are included in Division 96 Environment.

**DIVISION 87 CONSTRUCTION** *continued*

**GROUP 8701 CONSTRUCTION PLANNING**

This group covers R&D directed towards improving the activities associated with the development of construction projects to the sketch plan stage.

It includes:

- urban and regional planning;
- planning of transport systems;
- environmental impact studies; and
- conceptual architectural design and project funding.

This group has six objectives:

- 870101 Civil Construction Planning
- 870102 Commercial Construction Planning
- 870103 Regional Planning
- 870104 Residential Construction Planning
- 870105 Urban Planning
- 870199 Construction Planning not elsewhere classified

**Exclusions:**

- a) Detailed architectural design is included in Group 8702 Construction Design.
- b) Transport planning unrelated to urban planning is included in Division 88 Transport.
- c) Heritage aspects of urban and regional planning are included in Group 9503 Heritage.
- d) Rural and urban land and water policy and evaluation are included in Groups 9606 Environmental and Natural Resource Evaluation and 9607 Environmental Policy, Legislation and Standards.

**GROUP 8702 CONSTRUCTION DESIGN**

This group covers R&D directed towards improving the activities associated with turning a project sketch plan into detailed architectural and engineering designs and specifications.

It includes:

- quantity surveying;
- design aimed at reducing the energy needs of the finished building; and
- development of building regulations and design codes.

This group has five objectives:

- 870201 Civil Construction Design
- 870202 Commercial Construction Design
- 870203 Industrial Construction Design
- 870204 Residential Construction Design
- 870299 Construction Design not elsewhere classified

**Exclusions:**

- a) Energy conservation and efficiency other than design aimed at reducing the energy needs of finished buildings is included in Group 8507 Energy Conservation and Efficiency.

**DIVISION 87 CONSTRUCTION** *continued*

**GROUP 8703 CONSTRUCTION MATERIALS PERFORMANCE AND PROCESSES**

This group covers R&D directed towards testing the performance, durability and life cycle of construction components and materials which are delivered to or assembled on construction sites.

This group has six objectives:

- 870301 Cement and Concrete Materials
- 870302 Metals (e.g. Composites, Coatings, Bonding)
- 870303 Polymeric Materials (e.g. Paints)
- 870304 Stone, Ceramics and Clay Materials
- 870305 Timber Materials
- 870399 Construction Materials Performance and Processes not elsewhere classified

**Exclusions:**

- a) Manufacture of industrial chemicals used in construction (e.g. paints, plastics) is included in Group 8606 Industrial Chemicals and Related Products.
- b) Manufacture of ceramics, glass and glass products and industrial mineral products including clay, cement and concrete products used in construction is included in Group 8610 Ceramics, Glass and Industrial Mineral Products.
- c) Manufacture of basic metal products (e.g. copper wire, steel rods) used in construction is included in Group 8611 Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding).
- d) Manufacture of fabricated metal products (e.g. aluminium frames, steel pipes, structural steel) used in construction is included in Group 8612 Fabricated Metal Products.

**GROUP 8704 CONSTRUCTION PROCESSES**

This group covers R&D directed towards improving the processes and activities associated with translating plans and specifications into finished buildings and structures.

It includes:

- tendering processes and contractual matters;
- construction management and quality assurance; and
- health and safety aspects in construction.

This group has five objectives:

- 870401 Civil Construction Processes
- 870402 Commercial Construction Processes
- 870403 Industrial Construction Processes
- 870404 Residential Construction Processes
- 870499 Construction Processes not elsewhere classified

**Exclusions:**

- a) Energy conservation and efficiency in construction processes is included in Group 8507 Energy Conservation and Efficiency.

**DIVISION 87 CONSTRUCTION** *continued*

**GROUP 8705 BUILDING MANAGEMENT AND SERVICES**

This group covers R&D directed towards the design, installation and maintenance of building services, as well as demolition and refurbishment.

It includes:

- lifts, air-conditioning, plumbing, and electrical services;
- communication networks; and
- security and fire alarm systems.

This group has four objectives:

- 870501 Civil Building Management and Services
- 870502 Commercial Building Management and Services
- 870503 Residential Building Management and Services
- 870599 Building Management and Services not elsewhere classified

**Exclusions:**

- a) Energy conservation and efficiency in building management and services is included in Group 8507 Energy Conservation and Efficiency.
- b) Provision of communications services is included in Group 8901 Communication Networks and Services.
- c) Development and provision of property services (e.g. property development, real estate and alarm and surveillance services) are included in Group 9002 Property, Business Support Services and Trade.
- d) Conservation of historic buildings and structures is included in Group 9503 Heritage.

**GROUP 8798 ENVIRONMENTALLY SUSTAINABLE CONSTRUCTION**

This group covers R&D directed towards environmentally sustainable ways of managing construction and building activities by minimising the generation of emissions and wastes and by reducing or optimising the consumption of water and other natural resources.

This group has six objectives:

- 879801 Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
- 879802 Management of Greenhouse Gas Emissions from Construction Activities
- 879803 Management of Liquid Waste from Construction Activities (excl. Water)
- 879804 Management of Solid Waste from Construction Activities
- 879805 Management of Water Consumption by Construction Activities
- 879899 Environmentally Sustainable Construction not elsewhere classified

**Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Energy conservation and efficiency in construction activities is included in Group 8507 Energy Conservation and Efficiency.
- c) Design of buildings to minimise energy consumption in the finished building is included in Group 8702 Construction Design.
- d) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- e) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in urban and industrial environments or other environments affected by construction activities are included in Division 96 Environment.



**DIVISION 87 CONSTRUCTION** *continued*

**GROUP 8799 OTHER CONSTRUCTION**

This group covers R&D directed towards construction activities not elsewhere classified.

This group has one objective:

879999 Construction not elsewhere classified

**Exclusions:**

- a) Energy conservation and efficiency in construction activities is included in Group 8507 Energy Conservation and Efficiency.
- b) Manufacture of materials used in construction is included in the appropriate groups in Division 86 Manufacturing.
- c) Transport planning unrelated to urban planning is included in Division 88 Transport.
- d) Provision of communications services is included in Group 8901 Communication Networks and Services.
- e) Property services (e.g. property developers, real estate agents, alarm and surveillance services) are included in Group 9002 Property, Business Support Services and Trade.
- f) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- g) Construction related environmental health issues are included in Group 9204 Public Health (excl. Specific Population Health).
- h) Conservation of historic buildings and structures and heritage aspects of urban and regional planning are included in Group 9503 Heritage.
- i) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; environmental and natural resource evaluation; environmental policy, legislation and standards; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in urban and industrial environments or other environments affected by construction activities are included in Division 96 Environment.

## **DIVISION 88 TRANSPORT**

This division covers R&D directed towards improving the efficiency, safety and utility of transport systems for moving freight, passengers or livestock by ground, water, air or any combinations of these (e.g. sea-air transport) or by any other means.

It includes:

- transport safety;
- oceanic currents and processes that impinge on sea safety or navigation;
- transport services and transport support services;
- transport infrastructure; and
- environmental sustainability of transport activities.

This division has five groups.

8801 Ground Transport

8802 Water Transport

8803 Aerospace Transport

8898 Environmentally Sustainable Transport

8899 Other Transport

### **Exclusions:**

- a) Movement of defence related personnel, materials and equipment is included in Division 81 Defence.
- b) Transportation of forest products is included in Group 8201 Forestry.
- c) Pipeline transportation of energy products is included in Group 8506 Energy Storage, Distribution and Supply.
- d) Conservation of energy and improving energy efficiency in transport are included in Group 8507 Energy Conservation and Efficiency.
- e) Manufacture of transport equipment is included in Group 8613 Transport Equipment.
- f) Transport systems as an integral part of urban planning and the construction of transport infrastructure are included in Division 87 Construction.
- g) Pipeline transportation of water and waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- h) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by transport activities are included in Division 96 Environment.

**DIVISION 88 TRANSPORT** *continued*

**GROUP 8801 GROUND TRANSPORT**

This group covers R&D directed towards improving the efficiency, safety and utility of ground transport.

It includes:

- road passenger or freight transport, including taxis;
- long or short distance bus transport, including tramways;
- railway transport;
- freight transport by road or rail;
- parking services;
- toll roads and bridges, weighbridges and other road infrastructure;
- container terminals and punt operations;
- rail infrastructure; and
- road safety.

This group has ten objectives:

- 880101 Rail Freight
- 880102 Rail Infrastructure and Networks
- 880103 Rail Passenger Movements
- 880104 Rail Safety
- 880105 Road Freight
- 880106 Road Infrastructure and Networks
- 880107 Road Passenger Movements (excl. Public Transport)
- 880108 Road Public Transport
- 880109 Road Safety
- 880199 Ground Transport not elsewhere classified

**Exclusions:**

- a) Transportation of forest products is included in Group 8201 Forestry.
- b) Construction of road and rail infrastructure is included in Division 87 Construction.

**DIVISION 88 TRANSPORT** *continued*

**GROUP 8802 WATER TRANSPORT**

This group covers R&D directed towards improving the efficiency, safety and utility of international, coastal or inland water transport.

It includes:

- stevedoring;
- water terminals;
- port infrastructure, including channels;
- water safety; and
- oceanic currents and processes insofar as they impinge on sea safety or navigation.

This group has seven objectives:

- 880201 Coastal Sea Freight Transport
- 880202 International Sea Freight Transport (excl. Live Animal Transport)
- 880203 International Sea Transport of Live Animals
- 880204 Passenger Water Transport
- 880205 Port Infrastructure and Management
- 880206 Water Safety
- 880299 Water Transport not elsewhere classified

**Exclusions:**

- a) Construction of port infrastructure is included in Division 87 Construction.
- b) Container terminals are included in Group 8801 Ground Transport.
- c) Oceanic currents and processes that do not impinge on sea safety or navigation are included in Group 9699 Other Environment.

**GROUP 8803 AEROSPACE TRANSPORT**

This group covers R&D directed towards improving the efficiency, safety and utility of international and domestic air transport for passengers, freight and livestock.

It includes:

- non-scheduled air and space transport;
- air terminal infrastructure; and
- air safety.

This group has six objectives:

- 880301 Air Freight
- 880302 Air Passenger Transport
- 880303 Air Safety
- 880304 Air Terminal Infrastructure and Management
- 880305 Space Transport
- 880399 Aerospace Transport not elsewhere classified

**Exclusions:**

- a) Construction of air terminal infrastructure is included in Division 87 Construction.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 88 TRANSPORT *continued*

#### GROUP 8898 ENVIRONMENTALLY SUSTAINABLE TRANSPORT

This group covers R&D directed towards environmentally sustainable ways of managing transport activities by minimising the generation of emissions and wastes and by reducing or optimising the consumption of water and other natural resources.

This group has seven objectives:

- 889801 Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
- 889802 Management of Greenhouse Gas Emissions from Transport Activities
- 889803 Management of Liquid Waste from Transport Activities (excl. Water)
- 889804 Management of Noise and Vibration from Transport Activities
- 889805 Management of Solid Waste from Transport Activities
- 889806 Management of Water Consumption by Transport Activities
- 889899 Environmentally Sustainable Transport not elsewhere classified

#### **Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by transport activities are included in Division 96 Environment.

**DIVISION 88 TRANSPORT** *continued*

**GROUP 8899 OTHER TRANSPORT**

This group covers R&D directed towards improving the safety and efficiency of other transport systems not elsewhere classified.

It includes:

- multi-modal transport and intermodal materials handling;
- pipeline transport, other than the transport of energy products and water; and
- postal, package and courier services.

This group has five objectives:

889901 Intermodal Materials Handling

889902 Multimodal Transport

889903 Pipeline Transport

889904 Postal and Package Services (incl. Courier Services)

889999 Transport not elsewhere classified

**Exclusions:**

- a) Movement of defence related personnel, materials and equipment is included in Division 81 Defence.
- b) Transportation of forest products is included in Group 8201 Forestry.
- c) Pipeline transportation of energy products is included in Group 8506 Energy Storage, Distribution and Supply.
- d) Conservation of energy and improving energy efficiency in transport are included in Group 8507 Energy Conservation and Efficiency.
- e) Manufacture of transport equipment is included in Group 8613 Transport Equipment.
- f) Transport systems as an integral part of urban planning and the construction of transport infrastructure are included in Division 87 Construction.
- g) Pipeline distribution of water and waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- h) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by transport activities are included in Division 96 Environment.

## **DIVISION 89 INFORMATION AND COMMUNICATION SERVICES**

This division covers R&D directed towards the development, support and provision of information and communication services.

It includes:

- telecommunication services;
- computer programming or software services;
- library and library database services;
- presentation of educational displays for museums, art galleries and similar institutions;
- printing and publishing of books and newspapers; and
- environmental sustainability of information and communication services.

This division has six groups:

- 8901 Communication Networks and Services
- 8902 Computer Software and Services
- 8903 Information Services
- 8904 Media Services
- 8998 Environmentally Sustainable Information and Communication Services
- 8999 Other Information and Communication Services

### **Exclusions:**

- a) Management of energy consumption from information and communication services is included in Group 8507 Energy Conservation and Efficiency.
- b) Development and manufacture of computer hardware, communication equipment and electronic equipment, including assembly of components, are included in Division 86 Manufacturing.
- c) Installation of communications networks in buildings is included in Group 8705 Building Management and Services.
- d) R&D directed towards computer programming or software services which is specific to other socio-economic objectives is included in other appropriate groups, e.g. video streaming software is included in Group 8904 Media Services.
- e) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- f) Cinemas or motion picture exhibition is included in Group 9099 Other Commercial Services and Tourism.
- g) Music and theatre production mainly of a non-commercial nature is included in Group 9501 Arts and Leisure.
- h) Social impacts of media services are included in Group 9502 Communication.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 89 INFORMATION AND COMMUNICATION SERVICES *continued*

#### GROUP 8901 COMMUNICATION NETWORKS AND SERVICES

This group covers R&D directed towards fixed line, mobile and satellite communication networks and services. It includes videoconference services.

This group has seven objectives:

- 890101 Fixed Line Data Networks and Services
- 890102 Fixed Line Telephone Networks and Services
- 890103 Mobile Data Networks and Services
- 890104 Mobile Telephone Networks and Services
- 890105 Satellite Communication Networks and Services
- 890106 Videoconference Services
- 890199 Communication Networks and Services not elsewhere classified

#### **Exclusions:**

- a) Development and manufacture of communication equipment is included in Group 8617 Communication Equipment.
- b) Installation of communications networks in buildings is included in Group 8705 Building Management and Services.
- c) Broadcasting is included in Group 8904 Media Services.

#### GROUP 8902 COMPUTER SOFTWARE AND SERVICES

This group covers R&D directed towards general purpose computer programming or software services.

It includes:

- programming or development of computer software;
- data entry;
- internet hosting; and
- provision of computers and computation services.

This group has seven objectives:

- 890201 Application Software Packages (excl. Computer Games)
- 890202 Application Tools and System Utilities
- 890203 Computer Gaming Software
- 890204 Computer Time Leasing, Sharing and Renting Services
- 890205 Information Processing Services (incl. Data Entry and Capture)
- 890206 Internet Hosting Services (incl. Application Hosting Services)
- 890299 Computer Software and Services not elsewhere classified

#### **Exclusions:**

- a) Development and manufacture of computer hardware is included in Group 8616 Computer Hardware and Electronic Equipment.
- b) Computer programming or software services which is specific to other socio-economic objectives is included in other appropriate groups, e.g. video streaming software is included in Group 8904 Media Services.
- c) Animation and computer generated imagery services are included in Group 8904 Media Services.



**DIVISION 89 INFORMATION AND COMMUNICATION SERVICES** *continued*

**GROUP 8903 INFORMATION SERVICES**

This group covers R&D directed towards information services.

It includes:

- libraries, library databases and information processing;
- presentation of information, including displays, in libraries, museums and art galleries, educational centres and similar facilities; and
- electronic archives and news collection services.

This group has four objectives:

890301 Electronic Information Storage and Retrieval Services

890302 Library and Archival Services

890303 News Collection Services

890399 Information Services not elsewhere classified

**Exclusions:**

- a) News or media related information services are included in Group 8904 Media Services.

**GROUP 8904 MEDIA SERVICES**

This group covers R&D directed towards media services.

It includes:

- broadcasting services;
- publishing and printing services; and
- film and video services.

This group has six objectives:

890401 Animation and Computer Generated Imagery Services

890402 Film and Video Services (excl. Animation and Computer Generated Imagery)

890403 Internet Broadcasting

890404 Publishing and Print Services (incl. Internet Publishing)

890405 Radio and Television Broadcasting

890499 Media Services not elsewhere classified

**Exclusions:**

- a) Internet hosting is included in Group 8902 Computer Software and Services.
- b) News collection services are included in Group 8903 Information Services.
- c) Cinemas or motion picture exhibition is included in Group 9099 Other Commercial Services and Tourism.
- d) Music and theatre production mainly of a non-commercial nature is included in Group 9501 Arts and Leisure.
- e) Social impacts of media services are included in Group 9502 Communication.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### **DIVISION 89 INFORMATION AND COMMUNICATION SERVICES** *continued*

#### **GROUP 8998 ENVIRONMENTALLY SUSTAINABLE INFORMATION AND COMMUNICATION SERVICES**

This group covers R&D directed towards environmentally sustainable ways of managing information and communication service activities by minimising the generation of emissions and wastes and by reducing or optimising the consumption of water and other natural resources.

This group has four objectives:

- 899801 Management of Greenhouse Gas Emissions from Information and Communication Services
- 899802 Management of Solid Waste from Information and Communication Services
- 899803 Management of Water Consumption by Information and Communication Services
- 899899 Environmentally Sustainable Information and Communication Services not elsewhere classified

#### **Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Management of energy consumption from information and communication services is included in Group 8507 Energy Conservation and Efficiency.
- c) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.

#### **GROUP 8999 OTHER INFORMATION AND COMMUNICATION SERVICES**

This group covers R&D directed towards the provision of information and communication services not elsewhere classified.

This group has one objective:

- 899999 Information and Communication Services not elsewhere classified

#### **Exclusions:**

- a) Management of energy consumption from information and communication services is included in Group 8507 Energy Conservation and Efficiency.
- b) Development and manufacture of computer hardware, communication equipment and electronic equipment, including assembly of components, are included in Division 86 Manufacturing.
- c) Installation of communications networks in buildings is included in Group 8705 Building Management and Services.
- d) R&D directed towards computer programming or software services which is specific to other socio-economic objectives is included in other appropriate groups, e.g. video streaming software is included in Group 8904 Media Services.
- e) Waste handling services such as collection, storage, recycling and disposal provided by local councils or private or non-profit waste management businesses are included in Group 9004 Water and Waste Services.
- f) Cinemas or motion picture exhibition is included in Group 9099 Other Commercial Services and Tourism.
- g) Music and theatre production mainly of a non-commercial nature is included in Group 9501 Arts and Leisure.
- h) Social impacts of media services are included in Group 9502 Communication.

## **DIVISION 90 COMMERCIAL SERVICES AND TOURISM**

This division covers R&D directed towards the provision of commercial services to the economic and social development sectors.

It includes:

- financial, property and business support services;
- tourism;
- trade;
- water and waste services; and
- environmental sustainability of commercial services and tourism.

This division has six groups:

- 9001 Financial Services
- 9002 Property, Business Support Services and Trade
- 9003 Tourism
- 9004 Water and Waste Services
- 9098 Environmentally Sustainable Commercial Services and Tourism
- 9099 Other Commercial Services and Tourism

### **Exclusions:**

- a) Security services or surveillance systems for military purposes is included in Division 81 Defence; and for corrective purposes is included in Group 9404 Justice and the Law.
- b) Management of energy consumption from commercial services and tourism is included in Group 8507 Energy Conservation and Efficiency.
- c) Management of solid, liquid or gaseous waste generated as an integral process within an industry to minimise or prevent impacts on environment is included in respective industry divisions (e.g. Division 86 Manufacturing) and groups (e.g. Group 8698 Environmentally Sustainable Manufacturing).
- d) Provision of construction services, including architectural and building management services and construction of water infrastructure, are included in Division 87 Construction.
- e) Development of transport infrastructure and transport and freight services are included in Division 88 Transport.
- f) Provision of information, communications and computing services, including media services, is included in Division 89 Information and Communication Services.
- g) Issues relating to international trade are included in Group 9103 International Trade.
- h) Calibration services are included in Group 9105 Measurement Standards and Calibration Services.
- i) Music and theatre production, sport and services to sport activities (including sporting clubs), and recreational and amusement services mainly of a non-commercial nature (e.g. parks, botanical gardens) is included in Group 9501 Arts and Leisure.
- j) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by commercial services and tourism are included in Division 96 Environment.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 90 COMMERCIAL SERVICES AND TOURISM *continued*

#### GROUP 9001 FINANCIAL SERVICES

This group covers R&D directed towards the development and provision of finance and investment services.

It includes:

- banks, building societies, credit unions and money market dealing;
- investment and superannuation services; and
- insurance services.

This group has four objectives:

- 900101 Finance Services
- 900102 Investment Services (excl. Superannuation)
- 900103 Superannuation and Insurance Services
- 900199 Financial Services not elsewhere classified

#### GROUP 9002 PROPERTY, BUSINESS SUPPORT SERVICES AND TRADE

This group covers R&D directed towards the development and provision of property, business support services and trade.

It includes:

- property services such as real estate, security services (including alarm and surveillance services), property management and development;
- legal, accounting and secretarial services;
- advertising and graphic design services;
- business consultancy and market research services;
- plant leasing and hiring (other than computer and communications equipment); and
- wholesale and retail trade services.

This group has five objectives:

- 900201 Administration and Business Support Services
- 900202 Professional, Scientific and Technical Services
- 900203 Property Services (incl. Security)
- 900204 Wholesale and Retail Trade
- 900299 Property, Business Support Services and Trade not elsewhere classified

#### Exclusions:

- a) Security services or surveillance systems for military purposes is included in Division 81 Defence; and for corrective purposes is included in Group 9404 Justice and the Law.
- b) Construction services, including architectural and building management services, are included in Division 87 Construction.
- c) Transport and freight services are included in Division 88 Transport.
- d) Information, communications and computing services is included in Division 89 Information and Communication Services.
- e) Issues relating to international trade are included in Group 9103 International Trade.

**DIVISION 90 COMMERCIAL SERVICES AND TOURISM** *continued*

**GROUP 9003 TOURISM**

This group covers R&D directed towards the development and provision of tourism services.

This group has four objectives:

- 900301 Economic Issues in Tourism
- 900302 Socio-Cultural Issues in Tourism
- 900303 Tourism Infrastructure Development
- 900399 Tourism not elsewhere classified

**Exclusions:**

- a) Development of transport infrastructure is included in Division 88 Transport.
- b) Hospitality and recreation services are included in Group 9099 Other Commercial Services and Tourism.

**GROUP 9004 WATER AND WASTE SERVICES**

This group covers R&D directed towards the development and provision of water and waste services and utilities to households and industrial and commercial premises.

It includes:

- management and recycling of wastes and waste products, including toxic, biological and radiological waste;
- provision of water services and utilities, including household supply;
- stormwater drainage and sewerage waste management and treatment;
- storage, recycling, purification (including desalination) and distribution of water;
- repair and maintenance of water related facilities; and
- operation of irrigation systems.

This group has five objectives:

- 900401 Waste Management Services
- 900402 Waste Recycling Services
- 900403 Water Recycling Services (incl. Sewage and Greywater)
- 900404 Water Services and Utilities
- 900499 Water and Waste Services not elsewhere classified

**Exclusions:**

- a) Provision of energy services and utilities is included in Group 8506 Energy Storage, Distribution and Supply.
- b) Industrial processing of wastes and scrap to manufacture new products is included in the appropriate groups in Division 86 Manufacturing.
- c) Management of solid, liquid or gaseous waste generated as an integral process within an industry to minimise or prevent impacts on environment is included in respective industry divisions (e.g. Division 86 Manufacturing) and groups (e.g. Group 8698 Environmentally Sustainable Manufacturing).
- d) Construction of dams, water mains and pumping stations is included in Group 8704 Construction Processes.
- e) Management of environmental impacts from water and waste services is included in Group 9098 Environmentally Sustainable Commercial Services and Tourism.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 90 COMMERCIAL SERVICES AND TOURISM *continued*

#### GROUP 9098 ENVIRONMENTALLY SUSTAINABLE COMMERCIAL SERVICES AND TOURISM

This group covers R&D directed towards environmentally sustainable ways of managing commercial and tourism service activities by minimising the generation of emissions and wastes and by reducing or optimising the consumption of resources such as water.

This group has six objectives:

- 909801 Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
- 909802 Management of Greenhouse Gas Emissions from Commercial Services and Tourism
- 909803 Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
- 909804 Management of Solid Waste from Commercial Services and Tourism
- 909805 Management of Water Consumption by Commercial Services and Tourism
- 909899 Environmentally Sustainable Commercial Services and Tourism not elsewhere classified

#### **Exclusions:**

- a) Minimisation of input waste (other than water and energy) is to be categorised according to the objective that benefits from the improvement of input use.
- b) Management of energy consumption from commercial services and tourism is included in Group 8507 Energy Conservation and Efficiency.
- c) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by commercial services and tourism are included in Division 96 Environment.

## SOCIO-ECONOMIC OBJECTIVE *continued*

### DIVISION 90 COMMERCIAL SERVICES AND TOURISM *continued*

#### GROUP 9099 OTHER COMMERCIAL SERVICES AND TOURISM

This group covers R&D directed towards the development and provision of commercial services not elsewhere classified. It includes recreational services of a commercial nature (e.g. casinos) and hospitality services (e.g. motels, taverns, and restaurants).

This group has three objectives:

909901 Hospitality Services

909902 Recreational Services

909999 Commercial Services and Tourism not elsewhere classified

- a) Security services or surveillance systems for military purposes is included in Division 81 Defence; and for corrective purposes is included in Group 9404 Justice and the Law.
- b) Management of energy consumption from commercial services and tourism is included in Group 8507 Energy Conservation and Efficiency.
- c) Management of solid, liquid or gaseous waste generated as an integral process within an industry to minimise or prevent impacts on environment is included in respective industry divisions (e.g. Division 86 Manufacturing) and groups (e.g. Group 8698 Environmentally Sustainable Manufacturing).
- d) Construction services, including architectural and building management services and construction of water infrastructure, are included in Division 87 Construction.
- e) Development of transport infrastructure and transport and freight services are included in Division 88 Transport.
- f) Provision of information, communications and computing services, including media services, is included in Division 89 Information and Communication Services.
- g) Issues relating to international trade are included in Group 9103 International Trade.
- h) Calibration services are included in Group 9105 Measurement Standards and Calibration Services.
- i) Music and theatre production, sport and services to sport activities (including sporting clubs), and recreational and amusement services mainly of a non-commercial nature (e.g. parks, botanical gardens) is included in Group 9501 Arts and Leisure.
- j) Air quality; control of pests, diseases and exotic species; ecosystem assessment and management; flora, fauna and biodiversity; land and water management; rehabilitation of degraded areas; remnant vegetation and conservation areas; soils; and natural hazards in environments affected by commercial services and tourism are included in Division 96 Environment.

## **DIVISION 91 ECONOMIC FRAMEWORK**

This division covers R&D directed towards the understanding of the economic framework of development and the application of economic theory to assist development. It includes R&D directed towards developing measurement standards and calibrations services which make a contribution to the economic framework.

This division has six groups.

- 9101 Macroeconomics
- 9102 Microeconomics
- 9103 International Trade
- 9104 Management and Productivity
- 9105 Measurement Standards and Calibration Services
- 9199 Other Economic Framework

### **Exclusions:**

- a) Manufacture of scientific, industrial and medical instruments is included in Group 8615 Instrumentation.
- b) International transport of freight and passengers is included in Division 88 Transport.
- c) Commercial services, including financial and investment services, market research, administration, business support and professional services, domestic trade and economic issues relating to tourism are included in Division 90 Commercial Services and Tourism.
- d) Economics of health policy outcomes is included in Group 9202 Health and Support Services.
- e) Occupational health is included in Group 9205 Specific Population Health (excl. Indigenous Health).
- f) International political economy, other than international trade, and international relations that do not relate to trade are included in Group 9403 International Relations.
- g) Employment, work and workplace safety issues are included in Group 9405 Work and Institutional Development.
- h) Environmental aspects of resource consumption and international trade are included in Group 9607 Environmental Policy, Legislation and Standards.

## **GROUP 9101 MACROECONOMICS**

This group covers R&D directed towards the understanding of economic issues at the macroeconomic level, including fiscal policy, monetary policy, exchange rates, balance of payments, income policy, taxation and other macroeconomic issues.

This group has eleven objectives:

- 910101 Balance of Payments
- 910102 Demography
- 910103 Economic Growth
- 910104 Exchange Rates
- 910105 Fiscal Policy
- 910106 Income Distribution
- 910107 Macro Labour Market Issues
- 910108 Monetary Policy
- 910109 Savings and Investments
- 910110 Taxation
- 910199 Macroeconomics not elsewhere classified

### **Exclusions:**

- a) Provision of financial and investment services is included in Group 9001 Property, Business Support Services and Trade.
- b) Economic issues of tourism are included in Group 9003 Tourism.
- c) Economics of health policy outcomes are included in Group 9202 Health and Support Services.



**DIVISION 91 ECONOMIC FRAMEWORK** *continued*

**GROUP 9102 MICROECONOMICS**

This group covers R&D directed towards understanding economic issues at the microeconomic level, including effects on taxation, consumption, industrial organisations, industry policy, industry cost and structure and other microeconomic issues.

This group has twelve objectives:

- 910201 Consumption
- 910202 Human Capital Issues
- 910203 Industrial Organisations
- 910204 Industry Costs and Structure
- 910205 Industry Policy
- 910206 Market-Based Mechanisms
- 910207 Microeconomic Effects of Taxation
- 910208 Micro Labour Market Issues
- 910209 Preference, Behaviour and Welfare
- 910210 Production
- 910211 Supply and Demand
- 910299 Microeconomics not elsewhere classified

**Exclusions:**

- a) Economics of health policy outcomes is included in Group 9202 Health and Support Services.
- b) Environmental aspects of resource consumption are included in Group 9607 Environmental Policy, Legislation and Standards.

**GROUP 9103 INTERNATIONAL TRADE**

This group covers R&D directed towards understanding issues relating to international trade, including trade policy, assistance and protection and international agreements on trade.

This group has four objectives:

- 910301 International Agreements on Trade
- 910302 Trade Assistance and Protection
- 910303 Trade Policy
- 910399 International Trade not elsewhere classified

**Exclusions:**

- a) Efficiency, safety and utility of international transport of freight and passengers is included in Division 88 Transport.
- b) Domestic trade is included in Group 9002 Property, Business Support Services and Trade.
- c) International political economy, other than international trade, and international relations that do not relate to trade are included in Group 9403 International Relations.
- d) Environmental aspects of international trade are included in Group 9607 Environmental Policy, Legislation and Standards.

**DIVISION 91 ECONOMIC FRAMEWORK** *continued*

**GROUP 9104 MANAGEMENT AND PRODUCTIVITY**

This group covers R&D directed towards management and productivity issues. It includes R&D directed towards marketing and industrial relations.

This group has seven objectives:

- 910401 Industrial Relations
- 910402 Management
- 910403 Marketing
- 910404 Productivity (excl. Public Sector)
- 910405 Public Sector Productivity
- 910406 Technological and Organisational Innovation
- 910499 Management and Productivity not elsewhere classified

**Exclusions:**

- a) The provision of market research, administration, business support and professional services are included in Division 90 Commercial Services and Tourism.
- b) Occupational health is included in Group 9205 Specific Population Health (excl. Indigenous Health).
- c) Employment, work and workplace safety issues are included in Group 9405 Work and Institutional Development.

**GROUP 9105 MEASUREMENT STANDARDS AND CALIBRATION SERVICES**

This group covers R&D directed towards the development and provision of measurement standards and calibration services for defence, manufacturing and the service industries.

This group has five objectives:

- 910501 Agricultural and Environmental Standards
- 910502 Defence Standards and Calibrations
- 910503 Manufacturing Standards and Calibrations
- 910504 Service Industries Standards and Calibrations
- 910599 Measurement Standards and Calibration Services not elsewhere classified

**Exclusions:**

- a) Manufacture of scientific, industrial and medical instruments is included in Group 8615 Instrumentation.

**DIVISION 91 ECONOMIC FRAMEWORK** *continued*

**GROUP 9199 OTHER ECONOMIC FRAMEWORK**

This group covers R&D directed towards understanding other economic issues in the economic framework not elsewhere classified. It includes carbon and emissions trading mechanisms and ecological economics.

This group has three objectives:

- 919901 Carbon and Emissions Trading
- 919902 Ecological Economics
- 919999 Economic Framework not elsewhere classified

**Exclusions:**

- a) Manufacture of scientific, industrial and medical instruments is included in Group 8615 Instrumentation.
- b) International transport of freight and passengers is included in Division 88 Transport.
- c) Commercial services, including financial and investment services, market research, administration, business support and professional services, domestic trade and economic issues relating to tourism are included in Division 90 Commercial Services and Tourism.
- d) Economics of health policy outcomes is included in Group 9202 Health and Support Services.
- e) Occupational health is included in Group 9205 Specific Population Health (excl. Indigenous Health).
- f) International political economy, other than international trade, and international relations that do not relate to trade are included in Group 9403 International Relations.
- g) Employment, work and workplace safety issues are included in Group 9405 Work and Institutional Development.
- h) Environmental aspects of resource consumption and international trade are included in Group 9607 Environmental Policy, Legislation and Standards.

**SECTOR C SOCIETY**

This sector covers R&D directed towards the improvement of society. Such improvements may have wider benefits, such as economic benefits, but these are not the principal objectives of the R&D.

This sector has four divisions:

92 Health

93 Education and Training

94 Law, Politics and Community Services

95 Cultural Understanding

**Exclusions:**

- a) Provision of medical, health, education, training, community or cultural services on a commercial basis is included in Group 9099 Other Commercial Services and Tourism.

**DIVISION 92 HEALTH**

This division covers R&D directed towards human health, including the understanding and treatment of clinical diseases and conditions and the provision of public health and associated support services.

This division has six groups:

- 9201 Clinical Health (Organs, Diseases and Abnormal Conditions)
- 9202 Health and Support Services
- 9203 Indigenous Health
- 9204 Public Health (excl. Specific Population Health)
- 9205 Specific Population Health (excl. Indigenous Health)
- 9299 Other Health

**Exclusions:**

- a) Development of pharmaceutical products to treat diseases and abnormal conditions is included in Group 8608 Human Pharmaceutical Products.
- b) Community services not directly impacting on health are included in Group 9401 Community Service (excl. Work).
- c) Workplace safety is included in Group 9405 Work and Institutional Development.
- d) Quarantine and control measures to prevent the entry of diseases into the country are included in Group 9604 Control of Pests, Diseases and Exotic Species.

**DIVISION 92 HEALTH** *continued*

**GROUP 9201 CLINICAL HEALTH (ORGANS, DISEASES AND ABNORMAL CONDITIONS)**

This group covers R&D directed towards the clinical aspects of health and medicine.

This group has twenty-one objectives:

- 920101 Blood Disorders
- 920102 Cancer and Related Disorders
- 920103 Cardiovascular System and Diseases
- 920104 Diabetes
- 920105 Digestive System Disorders
- 920106 Endocrine Organs and Diseases (excl. Diabetes)
- 920107 Hearing, Vision, Speech and Their Disorders
- 920108 Immune System and Allergy
- 920109 Infectious Diseases
- 920110 Inherited Diseases (incl. Gene Therapy)
- 920111 Nervous System and Disorders
- 920112 Neurodegenerative Disorders Related to Ageing
- 920113 Oro-Dental Disorders
- 920114 Reproductive System and Disorders
- 920115 Respiratory System and Diseases (incl. Asthma)
- 920116 Skeletal System and Disorders (incl. Arthritis)
- 920117 Skin and Related Disorders
- 920118 Surgical Methods and Procedures
- 920119 Urogenital System and Disorders
- 920120 Zoonoses
- 920199 Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified

**Exclusions:**

- a) Development of pharmaceutical products to treat diseases and abnormal conditions is included in Group 8608 Human Pharmaceutical Products.
- b) Preventive medicine and life-style impacts on health, the effect of social conditions (e.g. poverty) on the health of the general community, and the social aspects of health (e.g. food safety, nutrition) are included in Group 9204 Public Health (excl. Specific Population Health).
- c) Preventive medicine and life-style impacts on health, the effect of social conditions (e.g. poverty) on the health of specific communities, and the social and cultural aspects of health are included in Groups 9203 Indigenous Health and 9205 Specific Population Health (excl. Indigenous Health).

**DIVISION 92 HEALTH** *continued*

**GROUP 9202 HEALTH AND SUPPORT SERVICES**

This group covers R&D directed towards the provision and evaluation of health and support services.

It includes:

- community support in medicine and health;
- promotion of health education;
- health care infrastructure support;
- evaluation of health policy and programs;
- allied health therapies and mental health services; and
- nursing and palliative care.

This group has twelve objectives:

- 920201 Allied Health Therapies (excl. Mental Health Services)
- 920202 Carer Health
- 920203 Diagnostic Methods
- 920204 Evaluation of Health Outcomes
- 920205 Health Education and Promotion
- 920206 Health Inequalities
- 920207 Health Policy Economic Outcomes
- 920208 Health Policy Evaluation
- 920209 Mental Health Services
- 920210 Nursing
- 920211 Palliative Care
- 920299 Health and Support Services not elsewhere classified

**Exclusions:**

- a) The causes, effects and the treatment of specific clinical conditions are included in Group 9201 Clinical Health (Organs, Diseases and Abnormal Conditions).
- b) Health as it pertains to the general community, specific population groups (e.g. aged persons), and indigenous communities is included in Groups 9203 Indigenous Health, 9204 Public Health (excl. Specific Population Health) and 9205 Specific Population Health (excl. Indigenous Health).
- c) Community services not directly impacting on health are included in Group 9401 Community Service (excl. Work).

**DIVISION 92 HEALTH** *continued*

**GROUP 9203 INDIGENOUS HEALTH**

This group covers R&D directed towards the public health of Aboriginal and Torres Strait Islanders, Māori and Pacific Peoples. It includes the study of social and cultural factors affecting the health of these populations and the delivery of health services to these communities.

This group has ten objectives:

- 920301 Aboriginal and Torres Strait Islander Health - Determinants of Health
- 920302 Aboriginal and Torres Strait Islander Health - Health Status and Outcomes
- 920303 Aboriginal and Torres Strait Islander Health - Health System Performance (incl. Effectiveness of Interventions)
- 920304 Māori Health - Determinants of Health
- 920305 Māori Health - Health Status and Outcomes
- 920306 Māori Health - Health System Performance (incl. Effectiveness of Interventions)
- 920307 Pacific Peoples Health - Determinants of Health
- 920308 Pacific Peoples Health - Health Status and Outcomes
- 920309 Pacific Peoples Health - Health System Performance (incl. Effectiveness of Interventions)
- 920399 Indigenous Health not elsewhere classified

**Exclusions:**

- a) The causes, effects and treatment of specific clinical conditions is included in Group 9201 Clinical Health (Organs, Diseases and Abnormal Conditions).
- b) Evaluation of health care programs and policies is included in Group 9202 Health and Support Services.
- c) Health as it pertains to the general population and specific non-indigenous communities is included in Groups 9204 Public Health (excl. Specific Population Health) and 9205 Specific Population Health (excl. Indigenous Population Health).



**DIVISION 92 HEALTH** *continued*

**GROUP 9204 PUBLIC HEALTH (EXCL. SPECIFIC POPULATION HEALTH)**

This group covers R&D directed towards community health or the health of general public excluding specific population groups and indigenous communities. The primary focus of R&D in this group is on the social and community aspects of health and medicine.

It includes:

- community support for health and medical conditions;
- preventative medicine;
- environmental health; and
- health protection and the response of health systems to disasters.

This group has fifteen objectives:

- 920401 Behaviour and Health
- 920402 Dental Health
- 920403 Disability and Functional Capacity
- 920404 Disease Distribution and Transmission (incl. Surveillance and Response)
- 920405 Environmental Health
- 920406 Food Safety
- 920407 Health Protection and/or Disaster Response
- 920408 Health Status (e.g. Indicators of Well-Being)
- 920409 Injury Control
- 920410 Mental Health
- 920411 Nutrition
- 920412 Preventive Medicine
- 920413 Social Structure and Health
- 920414 Substance Abuse
- 920499 Public Health (excl. Specific Population Health) not elsewhere classified

**Exclusions:**

- a) The causes, effects and treatment of specific clinical conditions are included in Group 9201 Clinical Health (Organs, Diseases and Abnormal Conditions).
- b) Evaluation of health care programs and policies is included in Group 9202 Health and Support Services.
- c) Public health of indigenous communities and specific population groups is included in Groups 9203 Indigenous Health, and 9205 Specific Population Health (excl. Indigenous Health), respectively.
- d) Quarantine and control measures to prevent the entry of diseases into the country are included in Group 9604 Control of Pests, Diseases and Exotic Species.

**DIVISION 92 HEALTH** *continued*

**GROUP 9205 SPECIFIC POPULATION HEALTH (EXCL. INDIGENOUS HEALTH)**

This group covers R&D directed towards community and public health of specific population groups and discrete community groups (e.g. aged persons, persons living in rural and remote areas), other than indigenous communities. It includes the study of social and cultural factors affecting the health of these groups and the delivery of health services to these groups.

This group has eight objectives:

- 920501 Child Health
- 920502 Health Related to Ageing
- 920503 Health Related to Specific Ethnic Groups
- 920504 Men's Health
- 920505 Occupational Health
- 920506 Rural Health
- 920507 Women's Health
- 920599 Specific Population Health (excl. Indigenous Health) not elsewhere classified

**Exclusions:**

- a) The causes, effects and treatment of specific clinical conditions is included in Group 9201 Clinical Health (Organs, Diseases and Abnormal Conditions).
- b) Evaluation of health care programs and policies is included in Group 9202 Health and Support Services.
- c) Public health of the indigenous communities and the general population is included in Groups 9203 Indigenous Health and 9204 Public Health (excl. Specific Population Health), respectively.
- d) Workplace safety is included in Group 9405 Work and Institutional Development.

**GROUP 9299 OTHER HEALTH**

This group covers R&D directed towards health not elsewhere classified.

This group has one objective:

- 929999 Health not elsewhere classified

**Exclusions:**

- a) Development of pharmaceutical products to treat diseases and abnormal conditions is included in Group 8608 Human Pharmaceutical Products.
- b) Community services not directly impacting on health are included in Group 9401 Community Service (excl. Work).
- c) Workplace safety is included in Group 9405 Work and Institutional Development.
- d) Quarantine and control measures to prevent the entry of diseases into the country are included in Group 9604 Control of Pests, Diseases and Exotic Species.

## **DIVISION 93 EDUCATION AND TRAINING**

This division covers R&D directed towards improving education and training.

This division has six groups:

- 9301 Learner and Learning
- 9302 Teaching and Instruction
- 9303 Curriculum
- 9304 School/Institution
- 9305 Education and Training Systems
- 9399 Other Education and Training

### **Exclusions:**

- a) Public health education is included in Group 9202 Health and Support Services.
- b) Ethical issues such as business ethics, social ethics, environmental ethics are included in Group 9504 Religion and Ethics.
- c) Environmental education and awareness is included in Group 9607 Environmental Policy, Legislation and Standards.

## **GROUP 9301 LEARNER AND LEARNING**

This group covers R&D directed towards improving the learning outcomes of individual learners.

This group has five objectives:

- 930101 Learner and Learning Achievement
- 930102 Learner and Learning Processes
- 930103 Learner Development
- 930104 Moral and Social Development (incl. Affect)
- 930199 Learner and Learning not elsewhere classified

### **Exclusions:**

- a) Improvement of teaching and instruction techniques is included in Group 9302 Teaching and Instruction.
- b) Curriculum improvement is included in Group 9303 Curriculum.
- c) Improvement of school and educational institution learning environments is included in Group 9304 School/Institution.
- d) Improvement of education and training systems is included in Group 9305 Education and Training Systems.
- e) Educational needs of Aboriginal and Torres Strait Islanders, Māori, Pacific Peoples, learners of specific genders, gifted learners and disabled learners are included in Group 9399 Other Education and Training.
- f) Ethical issues such as business ethics, social ethics, environmental ethics are included in Group 9504 Religion and Ethics

**DIVISION 93 EDUCATION AND TRAINING** *continued*

**GROUP 9302 TEACHING AND INSTRUCTION**

This group covers R&D directed towards improving teaching and instruction.

This group has four objectives:

- 930201 Pedagogy
- 930202 Teacher and Instructor Development
- 930203 Teaching and Instruction Technologies
- 930299 Teaching and Instruction not elsewhere classified

**Exclusions:**

- a) Improvement of learning outcomes of individual learners is included in Group 9301 Learner and Learning.
- b) Curriculum improvement is included in Group 9303 Curriculum.
- c) Improvement of school and educational institution learning environments is included in Group 9304 School/Institution.
- d) Improvement of education and training systems is included in Group 9305 Education and Training Systems.
- e) Teaching and instruction of Aboriginal and Torres Strait Islanders, Māori, Pacific Peoples, learners of specific genders, gifted learners and disabled learners are included in Group 9399 Other Education and Training.

**GROUP 9303 CURRICULUM**

This group covers R&D directed towards the improvement of curricula used in education.

This group has three objectives:

- 930301 Assessment and Evaluation of Curriculum
- 930302 Syllabus and Curriculum Development
- 930399 Curriculum not elsewhere classified

**Exclusions:**

- a) Improvement of learning outcomes of individual learners is included in Group 9301 Learner and Learning.
- b) Improvement of teaching and instruction techniques is included in Group 9302 Teaching and Instruction.
- c) Improvement of school and educational institution learning environments is included in Group 9304 School/Institution.
- d) Improvement of education and training systems is included in Group 9305 Education and Training Systems.
- e) Development of curricula tailored to the needs of Aboriginal and Torres Strait Islanders, Māori, Pacific Peoples, learners of specific genders, gifted learners or disabled learners are included in Group 9399 Other Education and Training.

**GROUP 9304 SCHOOL/INSTITUTION**

This group covers R&D directed towards the improvement of school and educational institution learning environments.

This group has four objectives:

- 930401 Management and Leadership of Schools/Institutions
- 930402 School/Institution Community and Environment
- 930403 School/Institution Policies and Development
- 930499 School/Institution not elsewhere classified

**Exclusions:**

- a) Improvement of learning outcomes of individual learners is included in Group 9301 Learner and Learning.
- b) Improvement of teaching and instruction techniques is included in Group 9302 Teaching and Instruction.
- c) Curriculum improvement is included in Group 9303 Curriculum.
- d) Improvement of education and training systems is included in Group 9305 Education and Training Systems.
- e) Development of school or educational institutional environments conducive to the education of Aboriginal and Torres Strait Islanders, Māori, Pacific Peoples, learners of specific genders, gifted learners or disabled learners are included in Group 9399 Other Education and Training.

**DIVISION 93 EDUCATION AND TRAINING** *continued*

**GROUP 9305 EDUCATION AND TRAINING SYSTEMS**

This group covers R&D directed towards the improvement of education and training systems at scales larger than individual schools or educational institutions.

This group has four objectives:

- 930501 Education and Training Systems Policies and Development
- 930502 Management of Education and Training Systems
- 930503 Resourcing of Education and Training Systems
- 930599 Education and Training Systems not elsewhere classified

**Exclusions:**

- a) Improvement of learning outcomes of individual learners is included in Group 9301 Learner and Learning.
- b) Improvement of teaching and instruction techniques is included in Group 9302 Teaching and Instruction.
- c) Curriculum improvement is included in Group 9303 Curriculum.
- d) Improvement of school and educational institution learning environments is included in Group 9304 School/Institution.
- e) Educational needs of Aboriginal and Torres Strait Islanders, Māori, Pacific Peoples, learners of specific genders, gifted learners and disabled learners are included in Group 9399 Other Education and Training.

**GROUP 9399 OTHER EDUCATION AND TRAINING**

This group covers R&D directed towards education and training not elsewhere classified.

It includes:

- Aboriginal and Torres Strait Islander, Māori and Pacific Peoples education outcomes;
- theory and methodology of education and training;
- equity and access to education;
- special needs education, including gifted and disabled learners; and
- transition from education to the workforce and employment.

This group has nine objectives:

- 939901 Aboriginal and Torres Strait Islander Education
- 939902 Education and Training Theory and Methodology
- 939903 Equity and Access to Education
- 939904 Gender Aspects of Education
- 939905 Māori Education
- 939906 Pacific Peoples Education
- 939907 Special Needs Education
- 939908 Workforce Transition and Employment
- 939999 Education and Training not elsewhere classified

**Exclusions:**

- a) Public health education is included in Group 9202 Health and Support Services.
- b) Ethical issues such as business ethics, social ethics, environmental ethics are included in Group 9504 Religion and Ethics.
- c) Environmental education and awareness is included in Group 9607 Environmental Policy, Legislation and Standards.

**DIVISION 94 LAW, POLITICS AND COMMUNITY SERVICES**

This division covers R&D directed towards law, politics and community services.

It includes:

- work and employment;
- provision of community and social services, including welfare, to individuals or community groups;
- social justice and general equity; and
- government, politics and international relations.

This division has six groups:

- 9401 Community Service (excl. Work)
- 9402 Government and Politics
- 9403 International Relations
- 9404 Justice and the Law
- 9405 Work and Institutional Development
- 9499 Other Law, Politics and Community Services

**Exclusions:**

- a) Defence and national security operations are included in Division 81 Defence.
- b) International trade is included in Group 9103 International Trade.
- c) Management and productivity, including industrial relations, are included in Group 9104 Management and Productivity.
- d) Development and provision of community health services and their associated support services is included in the appropriate groups in Division 92 Health.
- e) Ethics, including social, workplace and occupational ethics is included in Group 9504 Religion and Ethics.
- f) Understanding past societies is included in Group 9505 Understanding Past Societies.
- g) International environmental protection issues are included in Group 9607 Environmental Policy, Legislation and Standards.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 94 LAW, POLITICS AND COMMUNITY SERVICES *continued*

#### GROUP 9401 COMMUNITY SERVICE (EXCL. WORK)

This group covers R&D directed towards providing or delivering community and welfare services to individuals or to defined community groups such as the disabled, aged persons and single parents.

This group has eighteen objectives:

- 940101 Ability and Disability
- 940102 Aboriginal and Torres Strait Islander Development and Welfare
- 940103 Ageing and Older People
- 940104 Carers' Development and Welfare
- 940105 Children's/Youth Services and Childcare
- 940106 Citizenship and National Identity
- 940107 Comparative Structure and Development of Community Services
- 940108 Distribution of Income and Wealth
- 940109 Employment Services
- 940110 Environmental Services
- 940111 Ethnicity, Multiculturalism and Migrant Development and Welfare
- 940112 Families and Family Services
- 940113 Gender and Sexualities
- 940114 Māori Development and Welfare
- 940115 Pacific Peoples Development and Welfare
- 940116 Social Class and Inequalities
- 940117 Structure, Delivery and Financing of Community Services
- 940199 Community Service (excl. Work) not elsewhere classified

#### Exclusions:

- a) Development and provision of health services to specific population groups such as the aged persons, carers, children, men and women, indigenous communities, etc. and community health education is included in Division 92 Health.
- b) Unpaid work and volunteering is included in Group 9405 Work and Institutional Development.
- c) Social ethics is included in Group 9504 Religion and Ethics.

#### GROUP 9402 GOVERNMENT AND POLITICS

This group covers R&D directed towards government and politics.

It includes:

- electoral and political systems;
- civics and citizenship; and
- public services management.

This group has five objectives:

- 940201 Civics and Citizenship
- 940202 Electoral Systems
- 940203 Political Systems
- 940204 Public Services Policy Advice and Analysis
- 940299 Government and Politics not elsewhere classified

**DIVISION 94 LAW, POLITICS AND COMMUNITY SERVICES** *continued*

**GROUP 9403 INTERNATIONAL RELATIONS**

This group covers R&D directed towards improving international relations. It includes R&D relating to current social, cultural and economic aspects of other nations.

This group has six objectives:

- 940301 Defence and Security Policy
- 940302 International Aid and Development
- 940303 International Organisations
- 940304 International Political Economy (excl. International Trade)
- 940399 International Relations not elsewhere classified

**Exclusions:**

- a) Defence and national security operations are included in Division 81 Defence.
- b) International trade is included in Group 9103 International Trade.
- c) Understanding past societies is included in Group 9505 Understanding Past Societies.
- d) International environmental protection issues are included in Group 9607 Environmental Policy, Legislation and Standards.

**GROUP 9404 JUSTICE AND THE LAW**

This group covers R&D directed towards justice and the law.

It includes:

- legal processes;
- civil and criminal justice;
- crime prevention, law enforcement and correctional services; and
- law reform.

This group has nine objectives:

- 940401 Civil Justice
- 940402 Crime Prevention
- 940403 Criminal Justice
- 940404 Law Enforcement
- 940405 Law Reform
- 940406 Legal Processes
- 940407 Legislation, Civil and Criminal Codes
- 940408 Rehabilitation and Correctional Services
- 940499 Justice and the Law not elsewhere classified

**Exclusions:**

- a) Ethics is included in Group 9504 Religion and Ethics.



**DIVISION 94 LAW, POLITICS AND COMMUNITY SERVICES** *continued*

**GROUP 9405 WORK AND INSTITUTIONAL DEVELOPMENT**

This group covers R&D directed towards aspects of work.

It includes:

- employment and work patterns;
- the professions;
- unpaid work and volunteering; and
- workplace safety.

This group has six objectives:

- 940501 Employment Patterns and Change
- 940502 Professions and Professionalisation
- 940503 Time Use, Unpaid Work and Volunteering
- 940504 Work and Family Responsibilities
- 940505 Workplace Safety
- 940599 Work and Institutional Development not elsewhere classified

**Exclusions:**

- a) Management and productivity, including industrial relations, are included in Group 9104 Management and Productivity.
- b) Occupational health is included in Group 9204 Public Health (excl. Specific Population Health).
- c) Workplace and organisational ethics is included in Group 9504 Religion and Ethics.

**GROUP 9499 OTHER LAW, POLITICS AND COMMUNITY SERVICES**

This group covers R&D directed towards law, politics and community services not elsewhere classified.

This group has one objective:

- 949999 Law, Politics and Community Services not elsewhere classified

**Exclusions:**

- a) Defence and national security operations are included in Division 81 Defence.
- b) International trade is included in Group 9103 International Trade.
- c) Management and productivity, including industrial relations, are included in Group 9104 Management and Productivity.
- d) Development and provision of community health services and their associated support services is included in the appropriate groups in Division 92 Health.
- e) Ethics, including social, workplace and occupational ethics is included in Group 9504 Religion and Ethics.
- f) Understanding past societies is included in Group 9505 Understanding Past Societies.
- g) International environmental protection issues are included in Group 9607 Environmental Policy, Legislation and Standards.

## **DIVISION 95 CULTURAL UNDERSTANDING**

This division includes R&D directed towards improved understanding of culture.

It includes:

- arts and leisure activities;
- religion and ethics;
- history and heritage; and
- social and cultural aspects of communication.

This division has six groups:

- 9501 Arts and Leisure
- 9502 Communication
- 9503 Heritage
- 9504 Religion and Ethics
- 9505 Understanding Past Societies
- 9599 Other Cultural Understanding

### **Exclusions:**

- a) Communications equipment is included in Group 8617 Communications Equipment.
- b) Urban and regional planning unrelated to heritage are included in Group 8701 Construction Planning.
- c) Information and communication services, including media, library and information services are included in Division 89 Information and Communication Services.
- d) Recreational services mainly of a commercial nature (e.g. casino, cinema) are included in Group 9099 Other Commercial Services and Tourism.
- e) Moral development in individuals is included in Group 9301 Learner and Learning.
- f) Understanding current social, political and economic aspects of other countries is included in Group 9403 International Relations.

## **GROUP 9501 ARTS AND LEISURE**

This group covers R&D directed towards the arts and leisure and cultural activities.

It includes:

- sport and physical endeavour;
- visual and performing arts;
- operation of race tracks, sport grounds and facilities and the provision of services to sport (including sporting clubs);  
and
- operation of parks, botanical and zoological gardens.

This group has six objectives:

- 950101 Music
- 950102 Organised Sports
- 950103 Recreation
- 950104 The Creative Arts (incl. Graphics and Craft)
- 950105 The Performing Arts (incl. Theatre and Dance)
- 950199 Arts and Leisure not elsewhere classified

### **Exclusions:**

- a) Film and video services are included in Group 8904 Media Services.
- b) Cinemas or motion picture exhibition is included in Group 9099 Other Commercial Services and Tourism.

## SOCIO-ECONOMIC OBJECTIVE *continued*

### DIVISION 95 CULTURAL UNDERSTANDING *continued*

#### GROUP 9502 COMMUNICATION

This group covers R&D directed towards improving understanding of the social and cultural contexts of communication.

This group has six objectives:

- 950201 Communication Across Languages and Culture
- 950202 Languages and Literacy
- 950203 Languages and Literature
- 950204 The Media
- 950205 Visual Communication
- 950299 Communication not elsewhere classified

#### Exclusions:

- a) Communications equipment is included in Group 8617 Communications Equipment.
- b) Information and communication services, including media, library and information services are included in Division 89 Information and Communication Services.

#### GROUP 9503 HERITAGE

This group covers R&D directed towards heritage issues, including the conservation of natural, social and cultural heritage, and heritage aspects of urban and regional planning.

This group has twelve objectives:

- 950301 Āhuetanga Māori (Māori Tradition)
- 950302 Conserving Aboriginal and Torres Strait Islander Heritage
- 950303 Conserving Collections and Movable Cultural Heritage
- 950304 Conserving Intangible Cultural Heritage
- 950305 Conserving Natural Heritage
- 950306 Conserving Pacific Peoples Heritage
- 950307 Conserving the Historic Environment
- 950308 Mātauranga Māori (Māori Knowledge)
- 950309 Taonga (Māori Artefacts)
- 950310 Tikanga Māori (Māori Customary Practices)
- 950311 Wahi Taonga (Māori Places of Significance)
- 950399 Heritage not elsewhere classified

#### Exclusions:

- a) Urban and regional planning unrelated to heritage are included in Group 8701 Construction Planning.

## **SOCIO-ECONOMIC OBJECTIVE** *continued*

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### **DIVISION 95 CULTURAL UNDERSTANDING** *continued*

#### **GROUP 9504 RELIGION AND ETHICS**

This group covers R&D directed towards the understanding and analysis of religion and ethics.

It includes:

- understanding and analysis of ethical and religious issues of concern to social, scientific or technological development;
- applying ethical or moral theory to such issues; and
- developing codes of behaviour and standards of practice for businesses, professions and trades.

This group has ten objectives:

- 950401 Bioethics
- 950402 Business Ethics
- 950403 Environmental Ethics
- 950404 Religion and Society
- 950405 Religious Structures and Ritual
- 950406 Religious Traditions (excl. Structures and Rituals)
- 950407 Social Ethics
- 950408 Technological Ethics
- 950409 Workplace and Organisational Ethics
- 950499 Religion and Ethics not elsewhere classified

#### **Exclusions:**

- a) Moral development in individuals is included in Group 9301 Learner and Learning.

#### **GROUP 9505 UNDERSTANDING PAST SOCIETIES**

This group covers R&D directed towards the understanding of past societies.

This group has seven objectives:

- 950501 Understanding Africa's Past
- 950502 Understanding Asia's Past
- 950503 Understanding Australia's Past
- 950504 Understanding Europe's Past
- 950505 Understanding New Zealand's Past
- 950506 Understanding the Past of the Americas
- 950599 Understanding Past Societies not elsewhere classified

#### **Exclusions:**

- a) Understanding current social, political and economic aspects of other countries is included in Group 9403 International Relations.

## SOCIO-ECONOMIC OBJECTIVE *continued*

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### DIVISION 95 CULTURAL UNDERSTANDING *continued*

#### GROUP 9599 OTHER CULTURAL UNDERSTANDING

This group covers R&D directed towards cultural understanding not elsewhere classified.

This group has one objective:

959999 Cultural Understanding not elsewhere classified

#### **Exclusions:**

- a) Communications equipment is included in Group 8617 Communications Equipment.
- b) Urban and regional planning unrelated to heritage are included in Group 8701 Construction Planning.
- c) Information and communication services, including media, library and information services are included in Division 89 Information and Communication Services.
- d) Recreational services mainly of a commercial nature (e.g. casino, cinema) are included in Group 9099 Other Commercial Services and Tourism.
- e) Moral development in individuals is included in Group 9301 Learner and Learning.
- f) Understanding current social, political and economic aspects of other countries is included in Group 9403 International Relations.

**SECTOR D ENVIRONMENT**

This sector covers R&D directed towards the study and improvement of the physical environment, both of pristine and degraded or altered conditions. Such improvements may have wider benefits, but these are not the principal objectives of the R&D. It includes studies of the environmental impact of socio-economic activities as well as R&D for the development of social and economic environmental policies.

This sector has one division.

## **DIVISION 96 ENVIRONMENT**

This division has fifteen groups:

- 9601 Air Quality
- 9602 Atmosphere and Weather
- 9603 Climate and Climate Change
- 9604 Control of Pests, Diseases and Exotic Species
- 9605 Ecosystem Assessment and Management
- 9606 Environmental and Natural Resource Evaluation
- 9607 Environmental Policy, Legislation and Standards
- 9608 Flora, Fauna and Biodiversity
- 9609 Land and Water Management
- 9610 Natural Hazards
- 9611 Physical and Chemical Conditions of Water
- 9612 Rehabilitation of Degraded Environments
- 9613 Remnant Vegetation and Protected Conservation Areas
- 9614 Soils
- 9699 Other Environment

### **Exclusions:**

- a) Management of solid, liquid and gaseous wastes generated and water consumption by economic activities is included in Sector B Economic Development.
- b) Production aspects of agricultural crops, plants and primary plant products are included in Division 82 Plant Production and Primary Plant Products.
- c) Farming and production aspects of animals and primary animal products are included in Division 83 Animal Production and Primary Animal Products.
- d) Conservation and efficient use of energy are included in Group 8507 Energy Conservation and Efficiency.
- e) Rural, regional and urban planning issues, including environmental impact studies of new developments, are included in Group 8701 Construction Planning.
- f) Oceanic processes that affect water safety and navigation are included in Group 8802 Water Transport.
- g) Economic aspects of resource consumption are included in Group 9102 Microeconomics.
- h) Economic aspects of the environment are included in Group 9199 Other Economic Framework.
- i) Control and treatment of human diseases within the country's borders are included in Division 92 Health.
- j) Environmental ethics is included in Group 9504 Religion and Ethics.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9601 AIR QUALITY**

This group covers R&D directed towards the understanding and improvement of air quality in various environments.

This group has seven objectives:

- 960101 Antarctic and Sub-Antarctic Air Quality
- 960102 Coastal and Estuarine Air Quality
- 960103 Farmland, Arable Cropland and Permanent Cropland Air Quality
- 960104 Marine Air Quality
- 960105 Mining Air Quality
- 960106 Urban and Industrial Air Quality
- 960199 Air Quality not elsewhere classified

**Exclusions:**

- a) Environmentally sustainable ways of managing emissions of air pollutants and greenhouse gases generated by economic activities (e.g. construction, manufacturing) are included in the respective divisions in Sector B Economic Development

**GROUP 9602 ATMOSPHERE AND WEATHER**

This group covers R&D directed towards understanding the dynamics of atmospheric and weather systems.

This group has four objectives:

- 960201 Atmospheric Composition (incl. Greenhouse Gas Inventory)
- 960202 Atmospheric Processes and Dynamics
- 960203 Weather
- 960299 Atmosphere and Weather not elsewhere classified

**Exclusions:**

- a) Climate, climate change and the effects of climate change on ecosystems and societies are included in Group 9603 Climate and Climate Change.



**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9603 CLIMATE AND CLIMATE CHANGE**

This group covers R&D directed towards climate and climate change. For the purpose of the classification, climate refers to the long term average condition of the weather in a given area.

It includes:

- climate and climate patterns;
- strategies to mitigate and adapt to climate change, including greenhouse gas sequestration;
- social impacts of climate change and climate change mitigation strategies;
- adaptation of ecosystems to climatic changes; and
- effects of climate change at global and at regional levels in Australia, New Zealand and the South Pacific region.

This group has twelve objectives:

- 960301 Climate Change Adaptation Measures
- 960302 Climate Change Mitigation Strategies
- 960303 Climate Change Models
- 960304 Climate Variability (excl. Social Impacts)
- 960305 Ecosystem Adaptation to Climate Change
- 960306 Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)
- 960307 Effects of Climate Change and Variability on Australia (excl. Social Impacts)
- 960308 Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)
- 960309 Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)
- 960310 Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)
- 960311 Social Impacts of Climate Change and Variability
- 960399 Climate and Climate Change not elsewhere classified

**Exclusions:**

- a) Atmosphere and weather, including atmospheric composition, are included in Group 9602 Atmosphere and Weather.
- b) Non-climate related oceanic processes are included in Group 9699 Other Environment.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9604 CONTROL OF PESTS, DISEASES AND EXOTIC SPECIES**

This group covers R&D directed towards the control of pests, diseases and exotic species in various natural and man-made environments. It includes quarantine and control measures within, at or outside national borders.

This group has sixteen objectives:

- 960401 Border Biosecurity (incl. Quarantine and Inspection)
- 960402 Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
- 960403 Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
- 960404 Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments
- 960405 Control of Pests, Diseases and Exotic Species at Regional or Larger Scales
- 960406 Control of Pests, Diseases and Exotic Species in Fresh, Ground and Surface Water Environments
- 960407 Control of Pests, Diseases and Exotic Species in Marine Environments
- 960408 Control of Pests, Diseases and Exotic Species in Mining Environments
- 960409 Control of Pests, Diseases and Exotic Species in Mountain and High Country Environments
- 960410 Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments
- 960411 Control of Pests, Diseases and Exotic Species in Urban and Industrial Environments
- 960412 Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
- 960413 Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
- 960414 Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments
- 960415 Pre-Border Biosecurity
- 960499 Control of Pests, Diseases and Exotic Species not elsewhere classified

**Exclusions:**

- a) Control and treatment of human diseases within the country's borders are included in Division 92 Health.

**GROUP 9605 ECOSYSTEM ASSESSMENT AND MANAGEMENT**

This group covers R&D directed towards assessment and management of various ecosystems.

This group has twelve objectives:

- 960501 Ecosystem Assessment and Management at Regional or Larger Scales
- 960502 Ecosystem Assessment and Management of Antarctic and Sub-Antarctic Environments
- 960503 Ecosystem Assessment and Management of Coastal and Estuarine Environments
- 960504 Ecosystem Assessment and Management of Farmland, Arable Cropland and Permanent Cropland Environments
- 960505 Ecosystem Assessment and Management of Forest and Woodlands Environments
- 960506 Ecosystem Assessment and Management of Fresh, Ground and Surface Water Environments
- 960507 Ecosystem Assessment and Management of Marine Environments
- 960508 Ecosystem Assessment and Management of Mining Environments
- 960509 Ecosystem Assessment and Management of Mountain and High Country Environments
- 960510 Ecosystem Assessment and Management of Sparseland, Permanent Grassland and Arid Zone Environments
- 960511 Ecosystem Assessment and Management of Urban and Industrial Environments
- 960599 Ecosystem Assessment and Management not elsewhere classified

**Exclusions:**

- a) Assessment and evaluation of environmental and natural resources other than ecosystems are included in Group 9606 Environmental and Natural Resource Evaluation.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9606 ENVIRONMENTAL AND NATURAL RESOURCE EVALUATION**

This group covers R&D directed towards the assessment and evaluation of environmental and natural resources.

It includes:

- assessment and evaluation of environmental aspects of rural and urban land and water bodies, including their capacity to support human populations;
- evaluation of institutional arrangements and economic incentives for environmental protection;
- eco-verification (assessment of environmental impacts of products and services);
- environmental lifecycle assessment (assessment of environmental impacts of products and services over their lifecycle);
- environmental management systems; and
- rights of people to environmental and natural resources.

This group has twelve objectives:

- 960601 Economic Incentives for Environmental Protection
- 960602 Eco-Verification (excl. Environmental Lifecycle Assessment)
- 960603 Environmental Lifecycle Assessment
- 960604 Environmental Management Systems
- 960605 Institutional Arrangements for Environmental Protection
- 960606 Rights to Environmental and Natural Resources (excl. Water Allocation)
- 960607 Rural Land Evaluation
- 960608 Rural Water Evaluation (incl. Water Quality)
- 960609 Sustainability Indicators
- 960610 Urban Land Evaluation
- 960611 Urban Water Evaluation (incl. Water Quality)
- 960699 Environmental and Natural Resource Evaluation not elsewhere classified

**Exclusions:**

- a) Rural, regional and urban planning issues, including environmental impact studies of new developments, are included in Group 8701 Construction Planning.
- b) Economic aspects of resource consumption are included in Group 9102 Microeconomics.
- c) Economic aspects of the environment are included in Group 9199 Other Economic Framework.
- d) Environmental ethics is included in Group 9504 Religion and Ethics.
- e) Assessment of ecosystems is included in Group 9605 Ecosystem Assessment and Management.
- f) Water allocation for agricultural production is included in Group 9609 Land and Water Management.
- g) The evaluation of the physical and chemical conditions of water is included in Group 9611 Physical and Chemical Conditions of Water.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9607 ENVIRONMENTAL POLICY, LEGISLATION AND STANDARDS**

This group covers R&D directed towards the development of social and economic environmental policies, legislation and standards.

This group has ten objectives:

- 960701 Coastal and Marine Management Policy
- 960702 Consumption Patterns, Population Issues and the Environment
- 960703 Environmental Education and Awareness
- 960704 Land Stewardship
- 960705 Rural Land Policy
- 960706 Rural Water Policy
- 960707 Trade and Environment
- 960708 Urban Land Policy
- 960709 Urban Water Policy
- 960799 Environmental Policy, Legislation and Standards not elsewhere classified

**Exclusions:**

- a) Rural, regional and urban planning issues, including environmental impact studies of new developments, are included in Group 8701 Construction Planning.
- b) Economic aspects of resource consumption are included in Group 9102 Microeconomics.
- c) Non-environmental international trade policy issues are included in Group 9103 International Trade.

**GROUP 9608 FLORA, FAUNA AND BIODIVERSITY**

This group covers R&D directed towards flora, fauna and biodiversity issues in different natural environments and ecosystems, including urban and industrial environments.

This group has thirteen objectives:

- 960801 Antarctic and Sub-Antarctic Flora, Fauna and Biodiversity
- 960802 Coastal and Estuarine Flora, Fauna and Biodiversity
- 960803 Documentation of Undescribed Flora and Fauna
- 960804 Farmland, Arable Cropland and Permanent Cropland Flora, Fauna and Biodiversity
- 960805 Flora, Fauna and Biodiversity at Regional or Larger Scales
- 960806 Forest and Woodlands Flora, Fauna and Biodiversity
- 960807 Fresh, Ground and Surface Water Flora, Fauna and Biodiversity
- 960808 Marine Flora, Fauna and Biodiversity
- 960809 Mining Flora, Fauna and Biodiversity
- 960810 Mountain and High Country Flora, Fauna and Biodiversity
- 960811 Sparseland, Permanent Grassland and Arid Zone Flora, Fauna and Biodiversity
- 960812 Urban and Industrial Flora, Fauna and Biodiversity
- 960899 Flora, Fauna and Biodiversity of Environments not elsewhere classified

**Exclusions:**

- a) Domesticated flora and fauna are included in Division 82 Plant Production and Plant Primary Products and Division 83 Animal Production and Animal Primary Products.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9609 LAND AND WATER MANAGEMENT**

This group covers R&D directed towards land and water management in various natural environments and ecosystems. It includes urban and industrial land and water management issues, and the allocation of water for agricultural production.

This group has fourteen objectives:

- 960901 Antarctic and Sub-Antarctic Land and Water Management
- 960902 Coastal and Estuarine Land Management
- 960903 Coastal and Estuarine Water Management
- 960904 Farmland, Arable Cropland and Permanent Cropland Land Management
- 960905 Farmland, Arable Cropland and Permanent Cropland Water Management
- 960906 Forest and Woodlands Land Management
- 960907 Forest and Woodlands Water Management
- 960908 Mining Land and Water Management
- 960909 Mountain and High Country Land and Water Management
- 960910 Sparseland, Permanent Grassland and Arid Zone Land and Water Management
- 960911 Urban and Industrial Land Management
- 960912 Urban and Industrial Water Management
- 960913 Water Allocation and Quantification
- 960999 Land and Water Management of Environments not elsewhere classified

**Exclusions:**

- a) The management of water consumption by economic activities is included in Sector B Economic Development.
- b) Assessment and evaluation of environmental and natural resources, including rights to environmental and natural resources other than water for agricultural production, is included in Group 9606 Environmental and Natural Resource Evaluation.
- c) The physical and chemical conditions of water are included in Group 9611 Physical and Chemical Conditions of Water.
- d) Soils are included in Group 9614 Soils.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9610 NATURAL HAZARDS**

This group covers R&D directed towards an understanding of natural hazards (such as bushfire, cyclones and storms, earthquakes, landslides, tsunamis and volcanic eruptions), their impact on lives, property and environments and the development of warning systems and control measures to minimise impacts from these hazards.

This group has eleven objectives:

- 961001 Natural Hazards in Antarctic and Sub-Antarctic Environments
- 961002 Natural Hazards in Coastal and Estuarine Environments
- 961003 Natural Hazards in Farmland, Arable Cropland and Permanent Cropland Environments
- 961004 Natural Hazards in Forest and Woodlands Environments
- 961005 Natural Hazards in Fresh, Ground and Surface Water Environments
- 961006 Natural Hazards in Marine Environments
- 961007 Natural Hazards in Mining Environments
- 961008 Natural Hazards in Mountain and High Country Environments
- 961009 Natural Hazards in Sparseland, Permanent Grassland and Arid Zone Environments
- 961010 Natural Hazards in Urban and Industrial Environments
- 961099 Natural Hazards not elsewhere classified

**Exclusions:**

- a) Forest fire management relating to the protection of timber plantations and logging activities in native forests is included in Group 8201 Forestry.
- b) Natural hazards arising from the effects of climate change are included in Group 9603 Climate and Climate Change.

**GROUP 9611 PHYSICAL AND CHEMICAL CONDITIONS OF WATER**

This group covers R&D directed towards the physical and chemical conditions of water in various environments.

This group has five objectives:

- 961101 Physical and Chemical Conditions of Water for Urban and Industrial Use
- 961102 Physical and Chemical Conditions of Water in Coastal and Estuarine Environments
- 961103 Physical and Chemical Conditions of Water in Fresh, Ground and Surface Water Environments (excl. Urban and Industrial Use)
- 961104 Physical and Chemical Conditions of Water in Marine Environments
- 961199 Physical and Chemical Conditions of Water not elsewhere classified

**Exclusions:**

- a) Environmentally sustainable ways of managing water consumption and liquid waste generated by economic activities are included in Sector B Economic Development.
- b) Changes in the physical and chemical conditions of water due to climate change are included in Group 9603 Climate and Climate Change.
- c) Water evaluation, including water quality and sustainability of supply for human populations and economic activities, is included in Group 9606 Environmental and Natural Resource Evaluation.
- d) Water management, including management of wastewater and stormwater, is included in Group 9609 Land and Water Management.

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9612 REHABILITATION OF DEGRADED ENVIRONMENTS**

This group covers R&D directed towards finding appropriate ways to nurture and rehabilitate seriously degraded environments back to original condition or to an improved state.

This group has nine objectives:

- 961201 Rehabilitation of Degraded Coastal and Estuarine Environments
- 961202 Rehabilitation of Degraded Farmland, Arable Cropland and Permanent Cropland Environments
- 961203 Rehabilitation of Degraded Forest and Woodlands Environments
- 961204 Rehabilitation of Degraded Fresh, Ground and Surface Water Environments
- 961205 Rehabilitation of Degraded Mining Environments
- 961206 Rehabilitation of Degraded Mountain and High Country Environments
- 961207 Rehabilitation of Degraded Sparseland, Permanent Grassland and Arid Zone Environments
- 961208 Rehabilitation of Degraded Urban and Industrial Environments
- 961299 Rehabilitation of Degraded Environments not elsewhere classified

**GROUP 9613 REMNANT VEGETATION AND PROTECTED CONSERVATION AREAS**

This group covers R&D directed towards conservation and protection of remnant vegetation in areas threatened by urban, industrial or commercial developments or other pressures.

This group has eleven objectives:

- 961301 Protected Conservation Areas in Antarctic and Sub-Antarctic Environments
- 961302 Protected Conservation Areas in Fresh, Ground and Surface Water Environments
- 961303 Protected Conservation Areas in Marine Environments
- 961304 Remnant Vegetation and Protected Conservation Areas in Coastal and Estuarine Environments
- 961305 Remnant Vegetation and Protected Conservation Areas in Farmland, Arable Cropland and Permanent Cropland Environments
- 961306 Remnant Vegetation and Protected Conservation Areas in Forest and Woodlands Environments
- 961307 Remnant Vegetation and Protected Conservation Areas in Mountain and High Country Environments
- 961308 Remnant Vegetation and Protected Conservation Areas at Regional or Larger Scales
- 961309 Remnant Vegetation and Protected Conservation Areas in Sparseland, Permanent Grassland and Arid Zone Environments
- 961310 Remnant Vegetation and Protected Conservation Areas in Urban and Industrial Environments
- 961399 Remnant Vegetation and Protected Conservation Areas not elsewhere classified

**DIVISION 96 ENVIRONMENT** *continued*

**GROUP 9614 SOILS**

This group covers R&D directed towards an understanding of soils and improving soil quality in various environments.

This group has eight objectives:

- 961401 Coastal and Estuarine Soils
- 961402 Farmland, Arable Cropland and Permanent Cropland Soils
- 961403 Forest and Woodlands Soils
- 961404 Mining Soils
- 961405 Mountain and High Country Soils
- 961406 Sparseland, Permanent Grassland and Arid Zone Soils
- 961407 Urban and Industrial Soils
- 961499 Soils not elsewhere classified

**Exclusions:**

- a) Rehabilitation of degraded soils as part of specific degraded environments is included in Group 9612 Rehabilitation of Degraded Environments.

**GROUP 9699 OTHER ENVIRONMENT**

This group covers R&D directed towards environmental issues not elsewhere classified. It includes Antarctic and Sub-Antarctic Oceanography and oceanic processes unrelated to climate change.

This group has three objectives:

- 969901 Antarctic and Sub-Antarctic Oceanography
- 969902 Marine Oceanic Processes (excl. Climate Related)
- 969999 Environment not elsewhere classified

**Exclusions:**

- a) Management of solid, liquid and gaseous wastes generated and water consumption by economic activities is included in Sector B Economic Development.
- b) Production aspects of agricultural crops, plants and primary plant products are included in Division 82 Plant Production and Primary Plant Products.
- c) Farming and production aspects of animals and primary animal products are included in Division 83 Animal Production and Primary Animal Products.
- d) Conservation of energy and efficient ways of energy use are included in Group 8507 Energy Conservation and Efficiency.
- e) Rural, regional and urban planning issues, including environmental impact studies of new developments, are included in Group 8701 Construction Planning.
- f) Oceanic processes that affect water safety and navigation are included in Group 8802 Water Transport.
- g) Economic aspects of resource consumption are included in Group 9102 Microeconomics.
- h) Economic aspects of the environment are included in Group 9199 Other Economic Framework.
- i) Control and treatment of human diseases within the country's borders are included in Division 92 Health.
- j) Environmental ethics is included in Group 9504 Religion and Ethics.
- k) The interaction of oceanic processes and climate is included in Group 9603 Climate and Climate Change.



**SECTOR E EXPANDING KNOWLEDGE**

This sector covers R&D which contributes to the general advancement of knowledge. This sector should only be used when no specific purpose under any of the other sectors can be identified.

This sector only includes R&D which is:

- pure basic research (i.e. R&D efforts which are undertaken to acquire new knowledge without any specific application or looking for long term benefits other than the advancement of knowledge); or
- strategic basic research (i.e. R&D efforts undertaken acquire new knowledge directed into specified broad areas in the expectation of practical discoveries).

This sector has one division.

**DIVISION 97 EXPANDING KNOWLEDGE**

This division has one group.

**GROUP 9701 EXPANDING KNOWLEDGE**

This group has twenty-two objectives

- 970101 Expanding Knowledge in the Mathematical Sciences
- 970102 Expanding Knowledge in the Physical Sciences
- 970103 Expanding Knowledge in the Chemical Sciences
- 970104 Expanding Knowledge in the Earth Sciences
- 970105 Expanding Knowledge in the Environmental Sciences
- 970106 Expanding Knowledge in the Biological Sciences
- 970107 Expanding Knowledge in the Agricultural and Veterinary Sciences
- 970108 Expanding Knowledge in the Information and Computing Sciences
- 970109 Expanding Knowledge in Engineering
- 970110 Expanding Knowledge in Technology
- 970111 Expanding Knowledge in the Medical and Health Sciences
- 970112 Expanding Knowledge in Built Environment and Design
- 970113 Expanding Knowledge in Education
- 970114 Expanding Knowledge in Economics
- 970115 Expanding Knowledge in Commerce, Management, Tourism and Services
- 970116 Expanding Knowledge through Studies of Human Society
- 970117 Expanding Knowledge in Psychology and Cognitive Sciences
- 970118 Expanding Knowledge in Law and Legal Studies
- 970119 Expanding Knowledge through Studies of the Creative Arts and Writing
- 970120 Expanding Knowledge in Language, Communication and Culture
- 970121 Expanding Knowledge in History and Archaeology
- 970122 Expanding Knowledge in Philosophy and Religious Studies

## CHAPTER 5 CORRESPONDENCE TABLES

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### *INTRODUCTION*

The following correspondences align the classifications contained in the ASRC 1998 with those contained in the ANZSRC 2008.

The Research Fields, Courses and Disciplines (RFCD) classification is matched with the Fields of Research classification, while the ASRC and ANZSRC versions of the Socio-economic Objective (SEO) classifications are matched.

No correspondence is provided for RFCD Divisions 210000 and 220000 and Discipline 320100, as these categories were not used for the classification of R&D.

The Type of Activity classification did not change.

The correspondences are formatted by placing the structure of the reference classification on the left and the categories which align with the reference category on the right.

A 'p' after a code indicated that only a part of the category matches the reference category

**230000 MATHEMATICAL SCIENCES**

**230100 MATHEMATICS**

230101	Mathematical Logic, Set Theory, Lattices and Combinatorics	010104p	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)
		010107p	Mathematical Logic, Set Theory, Lattices and Universal Algebra
		010506p	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter
230102	Number Theory and Field Theory	010101p	Algebra and Number Theory
230103	Rings and Algebras	010101p	Algebra and Number Theory
230104	Category Theory, K Theory, Homological Algebra	010103	Category Theory, K Theory, Homological Algebra
230105	Group Theory and Generalisations (incl. Topological Groups and Lie Groups)	010105	Group Theory and Generalisations
		010106p	Lie Groups, Harmonic and Fourier Analysis
230106	Real and Complex Functions	010111p	Real and Complex Functions (incl. Several Variables)
230107	Differential, Difference and Integral Equations	010109p	Ordinary Differential Equations, Difference Equations and Dynamical Systems
		010110	Partial Differential Equations
		010199p	Pure Mathematics not elsewhere classified
		010502p	Integrable Systems (Classical and Quantum)
		019999p	Mathematical Sciences not elsewhere classified
230108	Harmonic and Fourier Analysis	010106p	Lie Groups, Harmonic and Fourier Analysis
230109	Functional Analysis	010108p	Operator Algebras and Functional Analysis
230110	Calculus of Variations and Control Theory	010203p	Calculus of Variations, Systems Theory and Control Theory
230111	Geometry	010102	Algebraic and Differential Geometry
		010199p	Pure Mathematics not elsewhere classified
230112	Topology and Manifolds	010112	Topology
		010199p	Pure Mathematics not elsewhere classified
230113	Dynamical Systems	010109p	Ordinary Differential Equations, Difference Equations and Dynamical Systems
		010111p	Real and Complex Functions (incl. Several Variables)
230114	Functions of Several Complex Variables	010201p	Approximation Theory and Asymptotic Methods
230115	Approximation Theory	010301p	Numerical Analysis
230116	Numerical Analysis	010206	Operations Research
230117	Operations Research	010303	Optimisation
230118	Optimisation	010203p	Calculus of Variations, Systems Theory and Control Theory
230119	Systems Theory and Control	010104p	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)
230199	Mathematics not elsewhere classified	010107p	Mathematical Logic, Set Theory, Lattices and Universal Algebra
		010108p	Operator Algebras and Functional Analysis
		010199p	Pure Mathematics not elsewhere classified
		010201p	Approximation Theory and Asymptotic Methods
		010204	Dynamical Systems in Applications
		010207	Theoretical and Applied Mechanics
		010299	Applied Mathematics not elsewhere classified
		010302	Numerical Solution of Differential and Integral Equations
		010399	Numerical and Computational Mathematics not elsewhere classified
		010501p	Algebraic Structures in Mathematical Physics
		010502p	Integrable Systems (Classical and Quantum)
		010503p	Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory
		010504p	Mathematical Aspects of General Relativity
		010505p	Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory
		010506p	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter
		010599p	Mathematical Physics not elsewhere classified

**230200 STATISTICS**

230201	Probability Theory	010404	Probability Theory
230202	Stochastic Analysis and Modelling	010406	Stochastic Analysis and Modelling
230203	Statistical Theory	010405	Statistical Theory
230204	Applied Statistics	010401	Applied Statistics
230299	Statistics not elsewhere classified	010402	Biostatistics
		010403	Forensic Statistics
		010499	Statistics not elsewhere classified

**239900 OTHER MATHEMATICAL SCIENCES**

239901 Biological Mathematics  
 239902 Actuarial Mathematics  
 239903 Risk theory  
 239904 Theory of Graduation  
 239999 Mathematical Sciences not elsewhere classified

010202 Biological Mathematics  
 010205p Financial Mathematics  
 010205p Financial Mathematics  
 019999p Mathematical Sciences not elsewhere classified  
 010501p Algebraic Structures in Mathematical Physics  
 010502p Integrable Systems (Classical and Quantum)  
 010503p Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory  
 010504p Mathematical Aspects of General Relativity  
 010505p Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory  
 010506p Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter  
 010599p Mathematical Physics not elsewhere classified  
 019999p Mathematical Sciences not elsewhere classified

**240000 PHYSICAL SCIENCES**

**240100 ASTRONOMICAL SCIENCES**

240101 Astronomy and Astrophysics  
  
 240102 Cosmic Ray Physics  
 240199 Astronomical Sciences not elsewhere classified

010504p Mathematical Aspects of General Relativity  
 010505p Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory  
 020101 Astrobiology  
 020102 Astronomical and Space Instrumentation  
 020103 Cosmology and Extragalactic Astronomy  
 020104 Galactic Astronomy  
 020105 General Relativity and Gravitational Waves  
 020106p High Energy Astrophysics; Cosmic Rays  
 020107p Mesospheric, Ionospheric and Magnetospheric Physics  
 020108 Planetary Science (excl. Extraterrestrial Geology)  
 020109 Space and Solar Physics  
 020110 Stellar Astronomy and Planetary Systems  
 020106p High Energy Astrophysics; Cosmic Rays  
 010504p Mathematical Aspects of General Relativity  
 010505p Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory  
 020199p Astronomical and Space Sciences not elsewhere classified  
 020602p Field Theory and String Theory

**240200 THEORETICAL AND CONDENSED MATTER PHYSICS**

240201 Theoretical Physics  
  
 240202 Condensed Matter Physics - Structural Properties  
  
 240203 Condensed Matter Physics - Electronic and Magnetic Properties; Superconductivity

010501p Algebraic Structures in Mathematical Physics  
 010502p Integrable Systems (Classical and Quantum)  
 010503p Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory  
 010504p Mathematical Aspects of General Relativity  
 010505p Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory  
 010506p Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter  
 010599p Mathematical Physics not elsewhere classified  
 020199p Astronomical and Space Sciences not elsewhere classified  
 020299p Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified  
 020399p Classical Physics not elsewhere classified  
 020499p Condensed Matter Physics not elsewhere classified  
 020599p Optical Physics not elsewhere classified  
 020601p Degenerate Quantum Gases and Atom Optics  
 020602p Field Theory and String Theory  
 020603p Quantum Information, Computation and Communication  
 020699p Quantum Physics not elsewhere classified  
 029999p Physical Sciences not elsewhere classified  
 010506p Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter  
 020406 Surfaces and Structural Properties of Condensed Matter  
 010506p Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter  
 020404 Electronic and Magnetic Properties of Condensed Matter; Superconductivity

**240000 PHYSICAL SCIENCES** *continued*

- |        |                                  |         |  |
|--------|----------------------------------|---------|--|
| 240204 | Condensed Matter Physics - Other | 010506p | Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter |
|        |                                  | 020401  | Condensed Matter Characterisation Technique Development                                    |
|        |                                  | 020402  | Condensed Matter Imaging   |
|        |                                  | 020403  | Condensed Matter Modelling and Density Functional Theory                                   |
|        |                                  | 020405  | Soft Condensed Matter  |
|        |                                  | 020499p | Condensed Matter Physics not elsewhere classified  |

**240300 ATOMIC AND MOLECULAR PHYSICS; NUCLEAR AND PARTICLE PHYSICS; PLASMA PHYSICS**

- |        |                                   |         |  |
|--------|-----------------------------------|---------|--|
| 240301 | Atomic and Molecular Physics      | 020201  | Atomic and Molecular Physics   |
| 240302 | Nuclear and Particle Physics      | 020202  | Nuclear Physics  |
|        |                                   | 020203  | Particle Physics   |
| 240303 | Plasmas and Electrical Discharges | 020204p | Plasma Physics; Fusion Plasmas; Electrical Discharges                            |
| 240304 | Other Plasma Physics              | 020204p | Plasma Physics; Fusion Plasmas; Electrical Discharges                            |
|        |                                   | 020299p | Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified |

**240400 OPTICAL PHYSICS**

- |        |  |         |   |
|--------|--|---------|---|
| 240401 | Optics and Opto-electronic Physics       | 020501p | Classical and Physical Optics                         |
|        |  | 020503p | Nonlinear Optics and Spectroscopy                     |
|        |  | 020504p | Photonics, Optoelectronics and Optical Communications |
| 240402 | Quantum Optics and Lasers                | 020502p | Lasers and Quantum Electronics                        |
|        |  | 020603p | Quantum Information, Computation and Communication    |
|        |  | 020604  | Quantum Optics  |
| 240499 | Optical Physics not elsewhere classified | 020501p | Classical and Physical Optics                         |
|        |  | 020502p | Lasers and Quantum Electronics                        |
|        |  | 020503p | Nonlinear Optics and Spectroscopy                     |
|        |  | 020504p | Photonics, Optoelectronics and Optical Communications |
|        |  | 020599p | Optical Physics not elsewhere classified              |
|        |  | 020601p | Degenerate Quantum Gases and Atom Optics              |

**240500 CLASSICAL PHYSICS**

- |        |  |         |   |
|--------|--|---------|---|
| 240501 | Acoustics and Acoustical Devices; Waves    | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010503p | Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory |
| 240502 | Fluid Physics                              | 020301  | Acoustics and Acoustical Devices; Waves   |
|        |  | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010503p | Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory |
| 240503 | Thermodynamics and Statistical Physics     | 020303  | Fluid Physics   |
|        |  | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010506p | Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter    |
| 240504 | Electrostatics and Electrodynamics         | 020304  | Thermodynamics and Statistical Physics  |
|        |  | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010503p | Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory |
| 240599 | Classical Physics not elsewhere classified | 020302  | Electrostatics and Electrodynamics  |
|        |  | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010503p | Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory |
|        |  | 020399p | Classical Physics not elsewhere classified  |

**249900 OTHER PHYSICAL SCIENCES**

- |        |  |         |   |
|--------|--|---------|---|
| 249901 | Biophysics                                 | 029901  | Biological Physics  |
| 249902 | Medical Physics                            | 029903  | Medical Physics   |
| 249903 | Instruments and Techniques                 | 029904  | Synchrotrons; Accelerators; Instruments and Techniques  |
| 249999 | Physical Sciences not elsewhere classified | 010501p | Algebraic Structures in Mathematical Physics  |
|        |  | 010502p | Integrable Systems (Classical and Quantum)  |
|        |  | 010503p | Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory |
|        |  | 010504p | Mathematical Aspects of General Relativity  |
|        |  | 010505p | Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory |
|        |  | 010506p | Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter    |

**240000 PHYSICAL SCIENCES** *continued*

- 010599p Mathematical Physics not elsewhere classified
- 020601p Degenerate Quantum Gases and Atom Optics
- 020603p Quantum Information, Computation and Communication
- 020699p Quantum Physics not elsewhere classified
- 029902 Complex Physical Systems
- 029999p Physical Sciences not elsewhere classified

**250000 CHEMICAL SCIENCES**

**250100 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)**

- |        |   |         |  |
|--------|---|---------|--|
| 250101 | Chemical Thermodynamics and Energetics      | 030602  | Chemical Thermodynamics and Energetics             |
| 250102 | Chemistry of Catalysis                      | 030601p | Catalysis and Mechanisms of Reactions              |
| 250103 | Colloid and Surface Chemistry               | 030603  | Colloid and Surface Chemistry                      |
| 250104 | Chemical Spectroscopy                       | 030606p | Structural Chemistry and Spectroscopy              |
| 250105 | Structural Chemistry                        | 030606p | Structural Chemistry and Spectroscopy              |
| 250106 | Mechanisms of Reactions                     | 030601p | Catalysis and Mechanisms of Reactions              |
| 250107 | Electrochemistry                            | 030604  | Electrochemistry                                   |
| 250199 | Physical Chemistry not elsewhere classified | 030605  | Solution Chemistry                                 |
|        |   | 030607  | Transport Properties and Non-Equilibrium Processes |
|        |   | 030699  | Physical Chemistry not elsewhere classified        |

**250200 INORGANIC CHEMISTRY**

- |        |  |        |  |
|--------|--|--------|--|
| 250201 | Transition Metal Chemistry                   | 030207 | Transition Metal Chemistry                   |
| 250202 | Main Group Metal Chemistry                   | 030204 | Main Group Metal Chemistry                   |
| 250203 | Solid State Chemistry                        | 030206 | Solid State Chemistry                        |
| 250204 | Bioinorganic Chemistry                       | 030201 | Bioinorganic Chemistry                       |
| 250205 | Non-Metal Chemistry                          | 030205 | Non-metal Chemistry                          |
| 250206 | f-Block Chemistry                            | 030202 | f-Block Chemistry                            |
| 250299 | Inorganic Chemistry not elsewhere classified | 030203 | Inorganic Green Chemistry                    |
|        |  | 030299 | Inorganic Chemistry not elsewhere classified |

**250300 ORGANIC CHEMISTRY**

- |        |  |        |   |
|--------|--|--------|---|
| 250301 | Organic Chemical Synthesis                 | 030503 | Organic Chemical Synthesis  |
| 250302 | Biological and Medical Chemistry           | 030401 | Biologically Active Molecules                                     |
|        |  | 030402 | Biomolecular Modelling and Design                                 |
|        |  | 030403 | Characterisation of Biological Macromolecules                     |
|        |  | 030404 | Cheminformatics and Quantitative Structure-Activity Relationships |
|        |  | 030405 | Molecular Medicine  |
|        |  | 030406 | Proteins and Peptides   |
|        |  | 030499 | Medicinal and Biomolecular Chemistry not elsewhere classified     |
| 250303 | Physical Organic Chemistry                 | 030505 | Physical Organic Chemistry  |
| 250399 | Organic Chemistry not elsewhere classified | 030501 | Free Radical Chemistry  |
|        |  | 030502 | Natural Products Chemistry  |
|        |  | 030504 | Organic Green Chemistry   |
|        |  | 030599 | Organic Chemistry not elsewhere classified                        |

**250400 ANALYTICAL CHEMISTRY**

- |        |  |         |  |
|--------|--|---------|--|
| 250401 | Separation Science   | 030108  | Separation Science   |
| 250402 | Analytical Spectrometry                                    | 030101  | Analytical Spectrometry  |
| 250403 | Electroanalytical Chemistry                                | 030102  | Electroanalytical Chemistry  |
| 250404 | Flow Analysis  | 030103  | Flow Analysis  |
| 250405 | Sensor (Chemical and Bio-) Technology                      | 030107  | Sensor Technology (Chemical aspects)                                     |
|        |  | 100101p | Agricultural Biotechnology Diagnostics (incl. Biosensors)                |
|        |  | 100204p | Environmental Biotechnology Diagnostics (incl. Biosensors)               |
|        |  | 100304p | Industrial Biotechnology Diagnostics (incl. Biosensors)                  |
|        |  | 100402p | Medical Biotechnology Diagnostics (incl. Biosensors)                     |
| 250406 | Immunological and Bioassay Methods                         | 030104  | Immunological and Bioassay Methods                                       |
| 250407 | Other Instrumental Methods                                 | 030105  | Instrumental Methods (excl. Immunological and Bioassay Methods)          |
| 250408 | Chemometrics   | 030106p | Quality Assurance, Chemometrics, Traceability and Metrological Chemistry |
| 250409 | Quality Assurance, Traceability and Metrological Chemistry | 030106p | Quality Assurance, Chemometrics, Traceability and Metrological Chemistry |
| 250499 | Analytical Chemistry not elsewhere classified              | 030199  | Analytical Chemistry not elsewhere classified                            |

**250500 MACROMOLECULAR CHEMISTRY**

250501	Synthesis of Macromolecules	030306p	Synthesis of Materials
250502	Physical Chemistry of Macromolecules	030304p	Physical Chemistry of Materials
250503	Characterisation of Macromolecules	030301p	Chemical Characterisation of Materials
250504	Polymerisation Mechanisms	030305	Polymerisation Mechanisms
250599	Macromolecular Chemistry not elsewhere classified	030303p	Optical Properties of Materials
		030399p	Macromolecular and Materials Chemistry not elsewhere classified

**250600 THEORETICAL AND COMPUTATIONAL CHEMISTRY**

250601	Quantum Chemistry	030701	Quantum Chemistry
250602	Statistical Mechanics	010506p	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter
		030704	Statistical Mechanics in Chemistry
250603	Reaction Kinetics and Dynamics	030703	Reaction Kinetics and Dynamics
250604	Radiation and Matter	030702	Radiation and Matter
250605	Theory of Materials	030307p	Theory and Design of Materials
250606	Macromolecular Design	030307p	Theory and Design of Materials
250699	Theoretical and Computational Chemistry not elsewhere classified	030799	Theoretical and Computational Chemistry not elsewhere classified

**259900 OTHER CHEMICAL SCIENCES**

259901	Organometallic Chemistry	039904	Organometallic Chemistry
259902	Environmental Chemistry (incl. Atmospheric Chemistry)	039901	Environmental Chemistry (incl. Atmospheric Chemistry)
259903	Industrial Chemistry	039903	Industrial Chemistry
259904	Supramolecular Chemistry	030302p	Nanochemistry and Supramolecular Chemistry
259999	Chemical Sciences not elsewhere classified	030301p	Chemical Characterisation of Materials
		030302p	Nanochemistry and Supramolecular Chemistry
		030303p	Optical Properties of Materials
		030304p	Physical Chemistry of Materials
		030306p	Synthesis of Materials
		030399p	Macromolecular and Materials Chemistry not elsewhere classified
		039902	Forensic Chemistry
		039999	Chemical Sciences not elsewhere classified

**260000 EARTH SCIENCES**

**260100 GEOLOGY**

260101	Mineralogy and Crystallography	040306	Mineralogy and Crystallography
260102	Igneous and Metamorphic Petrology	040304	Igneous and Metamorphic Petrology
260103	Vulcanology	040314	Volcanology
260104	Sedimentology	040310	Sedimentology
260105	Petroleum Geology	040309	Petroleum and Coal Geology
260106	Ore Deposit Petrology	040307	Ore Deposit Petrology
260107	Structural Geology	040312	Structural Geology
260108	Geotectonics	040313	Tectonics
260109	Geochronology	040303	Geochronology
260110	Biostratigraphy	040311p	Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)
260111	Other Stratigraphy (incl. Sequence Stratigraphy)	040311p	Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)
260112	Palaeontology	040308p	Palaeontology (incl. Palynology)
260113	Palynology	040308p	Palaeontology (incl. Palynology)
260114	Geomorphology	040601p	Geomorphology and Regolith and Landscape Evolution
260115	Glaciology	040602	Glaciology
260199	Geology not elsewhere classified	040301	Basin Analysis
		040302	Extraterrestrial Geology
		040305	Marine Geoscience
		040399	Geology not elsewhere classified

**260200 GEOPHYSICS**

260201	Gravity	040405	Gravimetrics
260202	Geomagnetism	040406	Magnetism and Palaeomagnetism
260203	Electromagnetism	040401	Electrical and Electromagnetic Methods in Geophysics
260204	Petrophysics	040499p	Geophysics not elsewhere classified
260205	Explosion Seismology	040407p	Seismology and Seismic Exploration
260206	Earthquake Seismology	040407p	Seismology and Seismic Exploration
260207	Radiometrics	040404	Geothermics and Radiometrics



**260000 EARTH SCIENCES** *continued*

260299 Geophysics not elsewhere classified

040402 Geodynamics  
040403 Geophysical Fluid Dynamics  
040499p Geophysics not elsewhere classified

**260300 GEOCHEMISTRY**

260301 Geochronology and Isotope Geochemistry

040203 Isotope Geochemistry  
040299p Geochemistry not elsewhere classified

260302 Exploration Geochemistry

040201 Exploration Geochemistry

260303 Organic Geochemistry not elsewhere classified

040204 Organic Geochemistry

260304 Inorganic Geochemistry not elsewhere classified

040202 Inorganic Geochemistry

260399 Geochemistry not elsewhere classified

040299p Geochemistry not elsewhere classified

**260400 OCEANOGRAPHY**

260401 Biological Oceanography

040501 Biological Oceanography

260402 Chemical Oceanography

040502 Chemical Oceanography

260403 Physical Oceanography

040503 Physical Oceanography

260499 Oceanography not elsewhere classified

040599 Oceanography not elsewhere classified

**260500 HYDROLOGY**

260501 Groundwater Hydrology

040603 Hydrogeology

260502 Surfacewater Hydrology

040608 Surfacewater Hydrology

260599 Hydrology not elsewhere classified

040699p Physical Geography and Environmental Geoscience not elsewhere classified

**260600 ATMOSPHERIC SCIENCES**

260601 Meteorology

040107 Meteorology

260602 Climatology (incl. Palaeoclimatology)

040104 Climate Change Processes

040105 Climatology (excl. Climate Change Processes)

040605 Palaeoclimatology

260603 Ionospheric and Magnetospheric Physics

020107p Mesospheric, Ionospheric and Magnetospheric Physics

260699 Atmospheric Sciences not elsewhere classified

040101 Atmospheric Aerosols

040102 Atmospheric Dynamics

040103 Atmospheric Radiation

040106 Cloud Physics

040108 Tropospheric and Stratospheric Physics

040199 Atmospheric Sciences not elsewhere classified

**269900 OTHER EARTH SCIENCES**

269901 Physical Geography

040604 Natural Hazards

040606 Quaternary Environments

040607 Surface Processes

040699p Physical Geography and Environmental Geoscience not elsewhere classified

269999 Earth Sciences not elsewhere classified

040601p Geomorphology and Regolith and Landscape Evolution

049999 Earth Sciences not elsewhere classified

**270000 BIOLOGICAL SCIENCES**

**270100 BIOCHEMISTRY AND CELL BIOLOGY**

270101 Analytical Biochemistry

060101 Analytical Biochemistry

270102 Cell Metabolism

060104 Cell Metabolism

270103 Protein Targeting and Signal Transduction

060108 Protein Trafficking

060111 Signal Transduction

270104 Membrane Biology

060110p Receptors and Membrane Biology

270105 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)

060106 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)

270106 Cell Development (incl. Cell Division and Apoptosis)

060103 Cell Development, Proliferation and Death

270107 Cell Neurochemistry

060105 Cell Neurochemistry

270108 Enzymes

060107 Enzymes

270199 Biochemistry and Cell Biology not elsewhere classified

060102 Bioinformatics

060109 Proteomics and Intermolecular Interactions (excl. Medical Proteomics)

060110p Receptors and Membrane Biology

060112 Structural Biology (incl. Macromolecular Modelling)

060113 Synthetic Biology

060114 Systems Biology

060199 Biochemistry and Cell Biology not elsewhere classified

**270200 GENETICS**

- |        |   |         |   |
|--------|---|---------|---|
| 270201 | Gene Expression                               | 060405p | Gene Expression (incl. Microarray and other genome-wide approaches) |
| 270202 | Genome Structure                              | 060407p | Genome Structure and Regulation                                     |
| 270203 | Population and Ecological Genetics            | 060411p | Population, Ecological and Evolutionary Genetics                    |
| 270204 | Anthropological Genetics                      | 060401  | Anthropological Genetics  |
| 270205 | Genetic Development (incl. Sex Determination) | 060403  | Developmental Genetics (incl. Sex Determination)                    |
| 270206 | Genetic Immunology                            | 060406  | Genetic Immunology  |
| 270207 | Quantitative Genetics                         | 060412  | Quantitative Genetics (incl. Disease and Trait Mapping Genetics)    |
| 270208 | Molecular Evolution                           | 060409  | Molecular Evolution   |
| 270209 | Meiosis and Recombination                     | 060402  | Cell and Nuclear Division   |
| 270210 | Neurogenetics                                 | 060410  | Neurogenetics   |
| 270299 | Genetics not elsewhere classified             | 060404  | Epigenetics (incl. Genome Methylation and Epigenomics)              |
|        |   | 060405p | Gene Expression (incl. Microarray and other genome-wide approaches) |
|        |   | 060407p | Genome Structure and Regulation                                     |
|        |   | 060408  | Genomics  |
|        |   | 060411p | Population, Ecological and Evolutionary Genetics                    |
|        |   | 060499  | Genetics not elsewhere classified                                   |

**270300 MICROBIOLOGY**

- |        |   |         |   |
|--------|---|---------|---|
| 270301 | Bacteriology                                  | 060501  | Bacteriology                                  |
| 270302 | Archaeobacteriology                           | 060599p | Microbiology not elsewhere classified         |
| 270303 | Virology                                      | 060506  | Virology                                      |
| 270304 | Infectious Agents                             | 060502  | Infectious Agents                             |
| 270305 | Mycology                                      | 060505  | Mycology                                      |
| 270306 | Microbial Genetics                            | 060503  | Microbial Genetics                            |
| 270307 | Microbial Ecology                             | 060504  | Microbial Ecology                             |
| 270308 | Microbial Systematics, Taxonomy and Phylogeny | 060309p | Phylogeny and Comparative Analysis            |
|        |   | 060399p | Evolutionary Biology not elsewhere classified |
| 270399 | Microbiology not elsewhere classified         | 060599p | Microbiology not elsewhere classified         |

**270400 BOTANY**

- |        |   |         |  |
|--------|---|---------|--|
| 270401 | Plant Systematics, Taxonomy and Phylogeny | 060309p | Phylogeny and Comparative Analysis           |
|        |   | 060310  | Plant Systematics and Taxonomy               |
| 270402 | Plant Physiology                          | 060705  | Plant Physiology                             |
| 270403 | Plant Pathology                           | 060704  | Plant Pathology                              |
| 270404 | Phycology                                 | 060701  | Phycology (incl. Marine Grasses)             |
| 270499 | Botany not elsewhere classified           | 060702  | Plant Cell and Molecular Biology             |
|        |   | 060703  | Plant Developmental and Reproductive Biology |
|        |   | 060799  | Plant Biology not elsewhere classified       |

**270500 ZOOLOGY**

- |        |  |         |   |
|--------|--|---------|---|
| 270501 | Animal Systematics, Taxonomy and Phylogeny | 060301  | Animal Systematics and Taxonomy               |
|        |  | 060309p | Phylogeny and Comparative Analysis            |
| 270502 | Neurobiology                               | 060805  | Animal Neurobiology                           |
| 270503 | Animal Anatomy and Histology               | 060807  | Animal Structure and Function                 |
| 270504 | Invertebrate Biology                       | 060808  | Invertebrate Biology                          |
| 270599 | Zoology not elsewhere classified           | 060801  | Animal Behaviour                              |
|        |  | 060802  | Animal Cell and Molecular Biology             |
|        |  | 060803  | Animal Developmental and Reproductive Biology |
|        |  | 060804  | Animal Immunology                             |
|        |  | 060806  | Animal Physiological Ecology                  |
|        |  | 060809  | Vertebrate Biology                            |
|        |  | 060899  | Zoology not elsewhere classified              |

**270600 PHYSIOLOGY**

- |        |                                     |        |                                     |
|--------|-------------------------------------|--------|-------------------------------------|
| 270601 | Animal Physiology - Biophysics      | 060601 | Animal Physiology - Biophysics      |
| 270602 | Animal Physiology - Cell            | 060602 | Animal Physiology - Cell            |
| 270603 | Animal Physiology - Systems         | 060603 | Animal Physiology - Systems         |
| 270604 | Comparative Physiology              | 060604 | Comparative Physiology              |
| 270699 | Physiology not elsewhere classified | 060699 | Physiology not elsewhere classified |

**270700 ECOLOGY AND EVOLUTION**

270701	Freshwater Ecology	060204	Freshwater Ecology
270702	Marine and Estuarine Ecology (incl. Marine Ichthyology)	060205	Marine and Estuarine Ecology (incl. Marine Ichthyology)
270703	Terrestrial Ecology	060208	Terrestrial Ecology
270704	Landscape Ecology	050104	Landscape Ecology
270705	Palaeoecology	060206	Palaeoecology
270706	Life Histories (incl. Population Ecology)	060207	Population Ecology
		060308	Life Histories
270707	Sociobiology and Behavioural Ecology	060201	Behavioural Ecology
		060304p	Ethology and Sociobiology
270708	Conservation and Biodiversity	050202p	Conservation and Biodiversity
270709	Biogeography	060302p	Biogeography and Phylogeography
270799	Ecology and Evolution not elsewhere classified	050101	Ecological Impacts of Climate Change
		050102	Ecosystem Function
		050103	Invasive Species Ecology
		050199	Ecological Applications not elsewhere classified
		060202	Community Ecology (excl. Invasive Species Ecology)
		060203	Ecological Physiology
		060299	Ecology not elsewhere classified
		060302p	Biogeography and Phylogeography
		060303	Biological Adaptation
		060304p	Ethology and Sociobiology
		060305	Evolution of Developmental Systems
		060306	Evolutionary Impacts of Climate Change
		060307	Host-Parasite Interactions
		060309p	Phylogeny and Comparative Analysis
		060311	Speciation and Extinction
		060399p	Evolutionary Biology not elsewhere classified

**270800 BIOTECHNOLOGY**

270801	Gene Therapy	100401p	Gene and Molecular Therapy
270802	Diagnostic Applications	100101p	Agricultural Biotechnology Diagnostics (incl. Biosensors)
		100204p	Environmental Biotechnology Diagnostics (incl. Biosensors)
		100304p	Industrial Biotechnology Diagnostics (incl. Biosensors)
		100402p	Medical Biotechnology Diagnostics (incl. Biosensors)
270803	Transgenesis	100109	Transgenesis
270804	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.	100103p	Agricultural Molecular Engineering of Nucleic Acids and Proteins
		100206p	Environmental Molecular Engineering of Nucleic Acids and Proteins
		100306p	Industrial Molecular Engineering of Nucleic Acids and Proteins
		100403p	Medical Molecular Engineering of Nucleic Acids and Proteins
270805	Genetic Engineering and Enzyme Technology	100104p	Genetically Modified Animals
		100105p	Genetically Modified Field Crops and Pasture
		100106p	Genetically Modified Horticulture Plants
		100107p	Genetically Modified Trees
		100301p	Biocatalysis and Enzyme Technology
270899	Biotechnology not elsewhere classified	100102	Agricultural Marine Biotechnology
		100103p	Agricultural Molecular Engineering of Nucleic Acids and Proteins
		100104p	Genetically Modified Animals
		100108p	Livestock cloning
		100199	Agricultural Biotechnology not elsewhere classified
		100201	Biodiscovery
		100202	Biological Control
		100205	Environmental Marine Biotechnology
		100206p	Environmental Molecular Engineering of Nucleic Acids and Proteins
		100299	Environmental Biotechnology not elsewhere classified
		100306p	Industrial Molecular Engineering of Nucleic Acids and Proteins
		100403p	Medical Molecular Engineering of Nucleic Acids and Proteins
		100404p	Regenerative Medicine (incl. Stem Cells and Tissue Engineering)
		100499p	Medical Biotechnology not elsewhere classified

**279900 OTHER BIOLOGICAL SCIENCES**

279901	Global Change Biology	069902	Global Change Biology
279999	Biological Sciences not elsewhere classified	069901	Forensic Biology
		069999	Biological Sciences not elsewhere classified

**280000 INFORMATION, COMPUTING AND COMMUNICATION SCIENCES**

**280100 INFORMATION SYSTEMS**

280101	Information Systems Organisation	080610	Information Systems Organisation
280102	Information Systems Management	080609	Information Systems Management
280103	Information Storage, Retrieval and Management	080704	Information Retrieval and Web Search
		080708	Records and Information Management (excl. Business Records and Information Management)
		150301p	Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)
280104	Computer-Human Interaction	080602	Computer-Human Interaction
280105	Interfaces and Presentation (excl. Computer-Human Interaction)	080699p	Information Systems not elsewhere classified
280106	Interorganisational Information Systems	080612p	Interorganisational Information Systems and Web Services
280107	Global Information Systems	080606	Global Information Systems
280108	Database Management	080604	Database Management
280109	Decision Support and Group Support Systems	080605	Decision Support and Group Support Systems
280110	Systems Theory	080611	Information Systems Theory
280111	Conceptual Modelling	080603	Conceptual Modelling
280112	Information Systems Development Methodologies	080608	Information Systems Development Methodologies
280199	Information Systems not elsewhere classified	080601	Aboriginal and Torres Strait Islander Information and Knowledge Systems
		080607	Information Engineering and Theory
		080612p	Interorganisational Information Systems and Web Services
		080613	Māori Information and Knowledge Systems
		080614	Pacific Peoples Information and Knowledge Systems
		080699p	Information Systems not elsewhere classified

**280200 ARTIFICIAL INTELLIGENCE AND SIGNAL AND IMAGE PROCESSING**

280201	Expert Systems	080105	Expert Systems
280202	Computer Graphics	080103	Computer Graphics
280203	Image Processing	080106	Image Processing
280204	Signal Processing	090609	Signal Processing
280205	Text Processing	080107p	Natural Language Processing
280206	Speech Recognition	080107p	Natural Language Processing
280207	Pattern Recognition	080109p	Pattern Recognition and Data Mining
280208	Computer Vision	080104	Computer Vision
280209	Intelligent Robotics	080101p	Adaptive Agents and Intelligent Robotics
280210	Simulation and Modelling	080110	Simulation and Modelling
280211	Virtual Reality and Related Simulation	080111	Virtual Reality and Related Simulation
280212	Neural Networks, Genetic Algorithms and Fuzzy Logic	080108	Neural, Evolutionary and Fuzzy Computation
280213	Other Artificial Intelligence	080101p	Adaptive Agents and Intelligent Robotics
		080102	Artificial Life
		080109p	Pattern Recognition and Data Mining
		080199	Artificial Intelligence and Image Processing not elsewhere classified

**280300 COMPUTER SOFTWARE**

280301	Programming Techniques	080399p	Computer Software not elsewhere classified
280302	Software Engineering	080309	Software Engineering
280303	Programming Languages	080308	Programming Languages
280304	Operating Systems	080307	Operating Systems
280305	Multimedia Programming	080305	Multimedia Programming
280399	Computer Software not elsewhere classified	080301	Bioinformatics Software
		080302	Computer System Architecture
		080303	Computer System Security
		080304	Concurrent Programming
		080306	Open Software
		080399p	Computer Software not elsewhere classified

**280400 COMPUTATION THEORY AND MATHEMATICS**

280401	Analysis of Algorithms and Complexity	080201	Analysis of Algorithms and Complexity
280402	Mathematical Logic and Formal Languages	080203	Computational Logic and Formal Languages
280403	Logics and Meanings of Programs	080299p	Computation Theory and Mathematics not elsewhere classified
280404	Numerical Analysis	010301p	Numerical Analysis
280405	Discrete Mathematics	080205	Numerical Computation
		010104p	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)
280406	Mathematical Software	080202	Applied Discrete Mathematics
280499	Computation Theory and Mathematics not elsewhere classified	080204	Mathematical Software
		080299p	Computation Theory and Mathematics not elsewhere classified

**280500 DATA FORMAT**

280501	Data Structures	080403	Data Structures
280502	Data Storage Representations	080499p	Data Format not elsewhere classified
280503	Files	080499p	Data Format not elsewhere classified
280504	Data Encryption	080402	Data Encryption
280505	Data Security	080499p	Data Format not elsewhere classified
280506	Coding and Information Theory	080401	Coding and Information Theory
280599	Data Format not elsewhere classified	080404	Markup Languages
		080499p	Data Format not elsewhere classified

**289900 OTHER INFORMATION, COMPUTING AND COMMUNICATION SCIENCES**

289999	Other Information, Computing and Communication Sciences	080501	Distributed and Grid Systems
		080502	Mobile Technologies
		080503	Networking and Communications
		080504	Ubiquitous Computing
		080505	Web Technologies (excl. Web Search)
		080599	Distributed Computing not elsewhere classified
		080701	Aboriginal and Torres Strait Islander Knowledge Management
		080702	Health Informatics
		080703	Human Information Behaviour
		080705	Informetrics
		080707	Organisation of Information and Knowledge Resources
		080709	Social and Community Informatics
		080799	Library and Information Studies not elsewhere classified
		089999p	Information and Computing Sciences not elsewhere classified

**290000 ENGINEERING AND TECHNOLOGY**

**290100 INDUSTRIAL BIOTECHNOLOGY AND FOOD SCIENCES**

290101	Fermentation, Biotechnology and Industrial Microbiology	100302p	Bioprocessing, Bioproduction and Bioproducts
		100303	Fermentation
		100305	Industrial Microbiology (incl. Biofeedstocks)
290102	Food Engineering	090802	Food Engineering
290103	Food Processing	090805	Food Processing
290104	Other Food Sciences	090801	Food Chemistry and Molecular Gastronomy (excl. Wine)
		090803	Food Nutritional Balance
		090804	Food Packaging, Preservation and Safety
		090806	Wine Chemistry and Wine Sensory Science
		090899	Food Sciences not elsewhere classified
290105	Other Industrial Biotechnology	100301p	Biocatalysis and Enzyme Technology
		100302p	Bioprocessing, Bioproduction and Bioproducts
		100306p	Industrial Molecular Engineering of Nucleic Acids and Proteins
		100399	Industrial Biotechnology not elsewhere classified

**290200 AEROSPACE ENGINEERING**

290201	Aerodynamics	090101	Aerodynamics (excl. Hypersonic Aerodynamics)
		090107	Hypersonic Propulsion and Hypersonic Aerodynamics
290202	Flight Dynamics	090106	Flight Dynamics
290203	Aerospace Structures	090103	Aerospace Structures
290204	Aircraft Performance	090104p	Aircraft Performance and Flight Control Systems
290205	Flight Control Systems	090104p	Aircraft Performance and Flight Control Systems

**290000 ENGINEERING AND TECHNOLOGY** *continued*

290206	Aerospace Electrical Systems	090199p	Aerospace Engineering not elsewhere classified
290207	Satellite, Space Vehicle and Missile Design	090108p	Satellite, Space Vehicle and Missile Design and Testing
290299	Aerospace Engineering not elsewhere classified	090102	Aerospace Materials
		090105	Avionics
		090108p	Satellite, Space Vehicle and Missile Design and Testing
		090199p	Aerospace Engineering not elsewhere classified

**290300 MANUFACTURING ENGINEERING**

290301	Robotics and Mechatronics	090203p	Automotive Mechatronics
		090602p	Control Systems, Robotics and Automation
		091007	Manufacturing Robotics and Mechatronics (excl. Automotive Mechatronics)
290302	Flexible Manufacturing Systems	091002	Flexible Manufacturing Systems
290303	CAD/CAM Systems	091001	CAD/CAM Systems
290304	Control Engineering	091302p	Automation and Control Engineering
290305	Welding Technology	091006p	Manufacturing Processes and Technologies (excl. Textiles)
290306	Textile Technology	091012	Textile Technology
290307	Printing Technology	091006p	Manufacturing Processes and Technologies (excl. Textiles)
290308	Packaging, Storage and Transportation	091010	Packaging, Storage and Transportation (excl. Food and Agricultural Products)
290309	Safety and Quality	091008	Manufacturing Safety and Quality
290399	Manufacturing Engineering not elsewhere classified	091003	Machine Tools
		091004	Machining
		091005	Manufacturing Management
		091009	Microtechnology
		091011	Precision Engineering
		091099	Manufacturing Engineering not elsewhere classified

**290400 AUTOMOTIVE ENGINEERING**

290401	Automotive Engineering	090202	Automotive Engineering Materials
		090203p	Automotive Mechatronics
		090204	Automotive Safety Engineering
		090205	Hybrid Vehicles and Powertrains
		090299	Automotive Engineering not elsewhere classified

**290500 MECHANICAL AND INDUSTRIAL ENGINEERING**

290501	Mechanical Engineering	091301p	Acoustics and Noise Control (excl. Architectural Acoustics)
		091302p	Automation and Control Engineering
		091303p	Autonomous Vehicles
		091304p	Dynamics, Vibration and Vibration Control
		091305p	Energy Generation, Conversion and Storage Engineering
		091306p	Microelectromechanical Systems (MEMS)
		091307p	Numerical Modelling and Mechanical Characterisation
		091308p	Solid Mechanics
		091309p	Tribology
		091399p	Mechanical Engineering not elsewhere classified
290502	Industrial Engineering	091301p	Acoustics and Noise Control (excl. Architectural Acoustics)
		091302p	Automation and Control Engineering
		091303p	Autonomous Vehicles
		091304p	Dynamics, Vibration and Vibration Control
		091305p	Energy Generation, Conversion and Storage Engineering
		091306p	Microelectromechanical Systems (MEMS)
		091307p	Numerical Modelling and Mechanical Characterisation
		091308p	Solid Mechanics
		091309p	Tribology
		091399p	Mechanical Engineering not elsewhere classified

**290600 CHEMICAL ENGINEERING**

290601	Chemical Engineering Design	090403	Chemical Engineering Design
290602	Process Control and Simulation	090407	Process Control and Simulation
290603	Membrane and Separation Technologies	090404	Membrane and Separation Technologies
290699	Chemical Engineering not elsewhere classified	090401	Carbon Capture Engineering (excl. Sequestration)
		090402	Catalytic Process Engineering
		090406	Powder and Particle Technology
		090408	Rheology
		090409	Wastewater Treatment Processes
		090410	Water Treatment Processes
		090499	Chemical Engineering not elsewhere classified

**290700 RESOURCES ENGINEERING**

290701 Mining Engineering  
 290702 Mineral Processing  
 290703 Petroleum and Reservoir Engineering  
 290704 Geomechanics  
 290799 Resources Engineering not elsewhere classified

091405 Mining Engineering  
 091404 Mineral Processing/Beneficiation  
 091406 Petroleum and Reservoir Engineering  
 091402p Geomechanics and Resources Geotechnical Engineering  
 091499 Resources Engineering and Extractive Metallurgy not elsewhere classified

**290800 CIVIL ENGINEERING**

290801 Structural Engineering  
 290802 Water and Sanitary Engineering  
  
 290803 Transport Engineering  
 290804 Construction Engineering  
 290805 Geotechnical Engineering  
  
 290899 Civil Engineering not elsewhere classified

090506 Structural Engineering  
 090508 Water Quality Engineering  
 090509 Water Resources Engineering  
 090507 Transport Engineering  
 090502 Construction Engineering  
 091402p Geomechanics and Resources Geotechnical Engineering  
 090501 Civil Geotechnical Engineering  
 090503 Construction Materials  
 090504 Earthquake Engineering  
 090505 Infrastructure Engineering and Asset Management  
 090599 Civil Engineering not elsewhere classified

**290900 ELECTRICAL AND ELECTRONIC ENGINEERING**

290901 Electrical Engineering  
  
  
  
  
 290902 Integrated Circuits  
  
  
 290903 Other Electronic Engineering

090602p Control Systems, Robotics and Automation  
 090605 Photodetectors, Optical Sensors and Solar Cells  
 090606 Photonics and Electro-Optical Engineering (excl. Communications)  
 090607 Power and Energy Systems Engineering (excl. Renewable Power)  
 090608 Renewable Power and Energy Systems Engineering (excl. Solar Cells)  
 090601p Circuits and Systems  
 090603p Industrial Electronics  
 090604 Microelectronics and Integrated Circuits  
 090601p Circuits and Systems  
 090603p Industrial Electronics  
 090699 Electrical and Electronic Engineering not elsewhere classified

**291000 GEOMATIC ENGINEERING**

291001 Geodesy  
 291002 Surveying  
 291003 Photogrammetry and Remote Sensing  
 291004 Spatial Information Systems  
 291005 Navigation and Position Fixing  
 291006 Cartography  
 291099 Geomatic Engineering not elsewhere classified

090902 Geodesy  
 090906p Surveying (incl. Hydrographic Surveying)  
 090905 Photogrammetry and Remote Sensing  
 090903 Geospatial Information Systems  
 090904 Navigation and Position Fixing  
 090901 Cartography  
 090906p Surveying (incl. Hydrographic Surveying)  
 090999 Geomatic Engineering not elsewhere classified

**291100 ENVIRONMENTAL ENGINEERING**

291101 Environmental Engineering Modelling  
 291102 Bio-remediation  
 291103 Environmental Engineering Design  
 291104 Environmental Technologies  
 291199 Environmental Engineering not elsewhere classified

090702 Environmental Engineering Modelling  
 100203 Bioremediation  
 090701 Environmental Engineering Design  
 090703 Environmental Technologies  
 090799 Environmental Engineering not elsewhere classified

**291200 MARITIME ENGINEERING**

291201 Naval Architecture  
 291202 Ship and Platform Hydrodynamics  
 291203 Ship and Platform Structures  
 291204 Marine Engineering  
 291205 Ocean Engineering  
 291206 Special Vehicles  
 291299 Maritime Engineering not elsewhere classified

091102 Naval Architecture  
 091104 Ship and Platform Hydrodynamics  
 091105 Ship and Platform Structures  
 091101 Marine Engineering  
 091103 Ocean Engineering  
 091106 Special Vehicles  
 091199 Maritime Engineering not elsewhere classified

**291300 METALLURGY**

- 291301 Process Metallurgy
- 291302 Physical Metallurgy

- 091401 Electrometallurgy
- 091403 Hydrometallurgy
- 091407 Pyrometallurgy
- 091207p Metals and Alloy Materials

**291400 MATERIALS ENGINEERING**

- 291401 Polymers
- 291402 Composite Materials
- 291403 Alloy Materials
- 291404 Ceramics
- 291405 Timber
- 291406 Pulp and Paper
- 291407 Plastics
- 291499 Materials Engineering not elsewhere classified

- 091209p Polymers and Plastics
- 091202p Composite and Hybrid Materials
- 091207p Metals and Alloy Materials
- 091201 Ceramics
- 091210p Timber, Pulp and Paper
- 091210p Timber, Pulp and Paper
- 091209p Polymers and Plastics
- 091202p Composite and Hybrid Materials
- 091203 Compound Semiconductors
- 091204 Elemental Semiconductors
- 091205 Functional Materials
- 091206 Glass
- 091208 Organic Semiconductors
- 091299 Materials Engineering not elsewhere classified

**291500 BIOMEDICAL ENGINEERING**

- 291501 Clinical Engineering
- 291502 Rehabilitation Engineering
- 291503 Biomaterials
- 291504 Biomechanical Engineering
- 291599 Biomedical Engineering not elsewhere classified

- 090303 Biomedical Instrumentation
- 090304 Medical Devices
- 090305 Rehabilitation Engineering
- 090301 Biomaterials
- 090302 Biomechanical Engineering
- 090399 Biomedical Engineering not elsewhere classified

**291600 COMPUTER HARDWARE**

- 291601 Arithmetic and Logic Structures
- 291602 Memory Structures
- 291603 Input, Output and Data Devices
- 291604 Logic Design
- 291605 Processor Architectures
- 291699 Computer Hardware not elsewhere classified

- 100601 Arithmetic and Logic Structures
- 100604 Memory Structures
- 100602 Input, Output and Data Devices
- 100603 Logic Design
- 100606 Processor Architectures
- 100605 Performance Evaluation; Testing and Simulation of Reliability
- 100699 Computer Hardware not elsewhere classified

**291700 COMMUNICATIONS TECHNOLOGIES**

- 291701 Antenna Technology
- 291702 Optical and Photonic Systems
- 291703 Digital Systems
- 291704 Computer Communications Networks
- 291705 Microwave and Millimetrewave Technology
- 291706 Broadband Network Technology
- 291707 Modem Technology
- 291708 Baseband Technology
- 291709 Satellite Communications
- 291710 Radio Communications and Broadcasting not elsewhere classified
- 291799 Communications Technologies not elsewhere classified

- 100501p Antennas and Propagation
- 100506 Optical Fibre Communications
- 100507 Optical Networks and Systems
- 100504 Data Communications
- 100509 Video Communications
- 100510 Wireless Communications
- 100503 Computer Communications Networks
- 100505p Microwave and Millimetrewave Theory and Technology
- 100502p Broadband and Modem Technology
- 100502p Broadband and Modem Technology
- 100599 Communications Technologies not elsewhere classified
- 100508 Satellite Communications
- 100599p Communications Technologies not elsewhere classified
- 100501p Antennas and Propagation
- 100505p Microwave and Millimetrewave Theory and Technology
- 100599p Communications Technologies not elsewhere classified

**291800 INTERDISCIPLINARY ENGINEERING**

- 291801 Fluidization and Fluid Mechanics
- 291802 Heat and Mass Transfer Operations
- 291803 Turbulent Flows
- 291804 Nanotechnology

- 091504 Fluidisation and Fluid Mechanics
- 091505 Heat and Mass Transfer Operations
- 091508 Turbulent Flows
- 100701 Environmental Nanotechnology
- 100702 Molecular and Organic Electronics
- 100703 Nanobiotechnology
- 100704 Nanoelectromechanical Systems
- 100705 Nanoelectronics
- 100706 Nanofabrication, Growth and Self Assembly



**290000 ENGINEERING AND TECHNOLOGY** *continued*

	100707	Nanomanufacturing	
	100708	Nanomaterials	
	100709	Nanomedicine	
	100710	Nanometrology	
	100711	Nanophotonics	
	100712	Nanoscale Characterisation	
	100713	Nanotoxicology, Health and Safety	
	100799	Nanotechnology not elsewhere classified	
291899	Interdisciplinary Engineering not elsewhere classified	091501	Computational Fluid Dynamics
		091502	Computational Heat Transfer
		091503	Engineering Practice
		091506	Nuclear Engineering (incl. Fuel Enrichment and Waste Processing and Storage)
		091507	Risk Engineering (excl. Earthquake Engineering)
		091599	Interdisciplinary Engineering not elsewhere classified

**299900 OTHER ENGINEERING AND TECHNOLOGY**

299901	Agricultural Engineering	099901	Agricultural Engineering
299902	Combustion and Fuel Engineering	090201	Automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)
		090405	Non-automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)
299903	Biosensor Technologies	100101p	Agricultural Biotechnology Diagnostics (incl. Biosensors)
		100204p	Environmental Biotechnology Diagnostics (incl. Biosensors)
		100304p	Industrial Biotechnology Diagnostics (incl. Biosensors)
		100402p	Medical Biotechnology Diagnostics (incl. Biosensors)
299904	Engineering/Technology Instrumentation	099902	Engineering Instrumentation
		109999p	Technology not elsewhere classified
299999	Engineering and Technology not elsewhere classified	099999	Engineering not elsewhere classified
		109999p	Technology not elsewhere classified
		120401p	Engineering Design Empirical Studies
		120402p	Engineering Design Knowledge
		120403p	Engineering Design Methods
		120404p	Engineering Systems Design
		120405p	Models of Engineering Design
		120499p	Engineering Design not elsewhere classified
		129999p	Built Environment and Design not elsewhere classified

**300000 AGRICULTURAL, VETERINARY AND ENVIRONMENTAL SCIENCES**

**300100 SOIL AND WATER SCIENCES**

300101	Soil Physics	050305	Soil Physics
300102	Soil Biology	050303	Soil Biology
300103	Soil Chemistry	050304	Soil Chemistry (excl. Carbon Sequestration Science)
300104	Land Capability and Soil Degradation	050302	Land Capability and Soil Degradation
300105	Applied Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)	079901	Agricultural Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)
300199	Soil and Water Sciences not elsewhere classified	050301	Carbon Sequestration Science
		050399	Soil Sciences not elsewhere classified

**300200 CROP AND PASTURE PRODUCTION**

300201	Plant Biochemistry and Physiology	070303	Crop and Pasture Biochemistry and Physiology
300202	Plant Nutrition	070306	Crop and Pasture Nutrition
300203	Plant Improvement (Selection, Breeding and Genetic Engineering)	070305	Crop and Pasture Improvement (Selection and Breeding)
		100105p	Genetically Modified Field Crops and Pasture
300204	Plant Protection (Pests, Diseases and Weeds)	070308	Crop and Pasture Protection (Pests, Diseases and Weeds)
300205	Agronomy	070302	Agronomy
300206	Post Harvest Technologies (Transportation and Storage)	070307	Crop and Pasture Post Harvest Technologies (incl. Transportation and Storage)
300299	Crop and Pasture Production not elsewhere classified	070301	Agro-ecosystem Function and Prediction
		070304	Crop and Pasture Biomass and Bioproducts
		070399	Crop and Pasture Production not elsewhere classified

**300300 HORTICULTURE**

300301	Plant Improvement (Selection, Breeding and Genetic Engineering)	070602	Horticultural Crop Improvement (Selection and Breeding)
300302	Plant Growth and Development	100106p	Genetically Modified Horticulture Plants
300303	Plant Protection (Pests, Diseases and Weeds)	070601	Horticultural Crop Growth and Development
300304	Post Harvest Technologies	070603	Horticultural Crop Protection (Pests, Diseases and Weeds)
		070605	Post Harvest Horticultural Technologies (incl. Transportation and Storage)
300305	Oenology and Viticulture	070604	Oenology and Viticulture
300399	Horticulture not elsewhere classified	070699	Horticultural Production not elsewhere classified

**300400 ANIMAL PRODUCTION**

300401	Animal Breeding	070201	Animal Breeding
300402	Animal Reproduction	070206	Animal Reproduction
300403	Animal Nutrition	070204	Animal Nutrition
300404	Animal Husbandry	070203	Animal Management
300405	Animal Protection (Pests and Pathogens)	070205	Animal Protection (Pests and Pathogens)
300406	Animal Growth and Development	070202	Animal Growth and Development
300499	Animal Production not elsewhere classified	070207	Humane Animal Treatment
		070299	Animal Production not elsewhere classified
		100104p	Genetically Modified Animals
		100108p	Livestock cloning

**300500 VETERINARY SCIENCES**

300501	Veterinary Medicine	070706	Veterinary Medicine
300502	Anaesthesiology and Intensive Care	070701	Veterinary Anaesthesiology and Intensive Care
300503	Epidemiology	070704	Veterinary Epidemiology
300504	Immunology	070705	Veterinary Immunology
300505	Anatomy and Physiology	070702	Veterinary Anatomy and Physiology
300506	Pathology	070709	Veterinary Pathology
300507	Microbiology (excl. Virology)	070707	Veterinary Microbiology (excl. Virology)
300508	Parasitology	070708	Veterinary Parasitology
300509	Radiology and Imaging	070799p	Veterinary Sciences not elsewhere classified
300510	Virology	070712	Veterinary Virology
300511	Surgery	070711	Veterinary Surgery
300512	Pharmacology	070710	Veterinary Pharmacology
300599	Veterinary Sciences not elsewhere classified	070703	Veterinary Diagnosis and Diagnostics
		070799p	Veterinary Sciences not elsewhere classified

**300600 FORESTRY SCIENCES**

300601	Nutrition and Physiology	070508	Tree Nutrition and Physiology
300602	Tree Improvement (Selection, Breeding and Genetic Engineering)	070507	Tree Improvement (Selection and Breeding)
300603	Pests, Health and Diseases	100107p	Genetically Modified Trees
300604	Management and Environment	070505	Forestry Pests, Health and Diseases
300605	Fire Management	070504	Forestry Management and Environment
300606	Agroforestry	070503	Forestry Fire Management
300699	Forestry Sciences not elsewhere classified	070501	Agroforestry
		070502	Forestry Biomass and Bioproducts
		070506	Forestry Product Quality Assessment
		070509	Wood Fibre Processing
		070510	Wood Processing
		070599	Forestry Sciences not elsewhere classified

**300700 FISHERIES SCIENCES**

300701	Physiology and Genetics	070405	Fish Physiology and Genetics
300702	Pests and Diseases	070404	Fish Pests and Diseases
300703	Aquaculture	070401	Aquaculture
300704	Ecosystem Studies and Stock Assessment	070402	Aquatic Ecosystem Studies and Stock Assessment
300705	Evaluation of Management Strategies	070403p	Fisheries Management
300799	Fisheries Sciences not elsewhere classified	070403p	Fisheries Management
		070406	Post-Harvest Fisheries Technologies (incl. Transportation)
		070499	Fisheries Sciences not elsewhere classified

**300800 ENVIRONMENTAL SCIENCES**

300801	Environmental Management and Rehabilitation	050205p	Environmental Management
		050207	Environmental Rehabilitation (excl. Bioremediation)
300802	Wildlife and Habitat Management	050211	Wildlife and Habitat Management
300803	Natural Resource Management	050209	Natural Resource Management
300804	Environmental Impact Assessment	050204	Environmental Impact Assessment
300805	Conservation	050202p	Conservation and Biodiversity
300899	Environmental Sciences not elsewhere classified	050201	Aboriginal and Torres Strait Islander Environmental Knowledge
		050206	Environmental Monitoring
		050208	Māori Environmental Knowledge
		050210	Pacific Peoples Environmental Knowledge
		050299	Environmental Science and Management not elsewhere classified
		059999p	Environmental Sciences not elsewhere classified

**300900 LAND, PARKS AND AGRICULTURE MANAGEMENT**

300901	Farm Management, Rural Management and Agribusiness	070106	Farm Management, Rural Management and Agribusiness
300902	Land and Parks Management	050205p	Environmental Management
		070101	Agricultural Land Management
300903	Sustainable Development	070108	Sustainable Agricultural Development
300999	Land, Parks and Agriculture Management not elsewhere classified	070102	Agricultural Land Planning
		070103	Agricultural Production Systems Simulation
		070104	Agricultural Spatial Analysis and Modelling
		070105	Agricultural Systems Analysis and Modelling
		070107	Farming Systems Research
		070199	Agriculture, Land and Farm Management not elsewhere classified

**309900 OTHER AGRICULTURAL, VETERINARY AND ENVIRONMENTAL SCIENCES**

309901	Fertilisers and Agrochemicals (Application etc.)	079902	Fertilisers and Agrochemicals (incl. Application)
309902	Education and Extension	050203	Environmental Education and Extension
309999	Agricultural, Veterinary and Environmental Sciences not elsewhere classified	059999p	Environmental Sciences not elsewhere classified
		079999	Agricultural and Veterinary Sciences not elsewhere classified

**310000 ARCHITECTURE, URBAN ENVIRONMENT AND BUILDING**

**310100 ARCHITECTURE AND URBAN ENVIRONMENT**

310101	Architecture	120101	Architectural Design
		120104p	Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)
		120105p	Architecture Management
		120199p	Architecture not elsewhere classified
310102	Heritage and Conservation	120102	Architectural Heritage and Conservation
310103	Urban and Regional Planning	120501	Community Planning
		120503	Housing Markets, Development, Management
		120504	Land Use and Environmental Planning
		120505	Regional Analysis and Development
		120506	Transport Planning
		120507	Urban Analysis and Development
		120508	Urban Design
		120599p	Urban and Regional Planning not elsewhere classified
310104	Landscape Planning	120107	Landscape Architecture
310105	History of the Built Environment	120103p	Architectural History and Theory
		120502p	History and Theory of the Built Environment (excl. Architecture)
310106	Interior and Environmental Design	120106	Interior Design
310199	Architecture and Urban Environment not elsewhere classified	120103p	Architectural History and Theory
		120104p	Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)
		120105p	Architecture Management
		120199p	Architecture not elsewhere classified
		120502p	History and Theory of the Built Environment (excl. Architecture)
		120599p	Urban and Regional Planning not elsewhere classified

**310200 BUILDING**

310201	Building Science and Techniques	120202	Building Science and Techniques
310202	Building Construction Management	120201	Building Construction Management and Project Planning
310203	Building Construction Economics (incl. Quantity Surveying)	120203	Quantity Surveying
310299	Building not elsewhere classified	120299p	Building not elsewhere classified
		120299p	Building not elsewhere classified

**319900 OTHER ARCHITECTURE, URBAN ENVIRONMENT AND BUILDING**

319999	Other Architecture, Urban Environment and Building	129999p	Built Environment and Design not elsewhere classified
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**320000 MEDICAL AND HEALTH SCIENCES**

**320200 IMMUNOLOGY**

320201	Allergy	110701	Allergy
320202	Cellular Immunology	110704	Cellular Immunology
320203	Humoral Immunology and Immunochemistry	110705	Humoural Immunology and Immunochemistry
320204	Immunogenetics	110706	Immunogenetics (incl. Genetic Immunology)
320205	Transplantation Immunology	110708	Transplantation Immunology
320206	Tumor Immunology	110709	Tumour Immunology
320207	Autoimmunity	110703	Autoimmunity
320299	Immunology not elsewhere classified	110702	Applied Immunology (incl. Antibody Engineering, Xenotransplantation and T-cell Therapies)
		110707	Innate Immunity
		110799	Immunology not elsewhere classified

**320300 MEDICAL BIOCHEMISTRY AND CLINICAL CHEMISTRY**

320301	Clinical Chemistry	110302	Clinical Chemistry (diagnostics)
320302	Medical Biochemistry: Carbohydrates	110102	Medical Biochemistry: Carbohydrates
320303	Medical Biochemistry: Lipids	110104p	Medical Biochemistry: Lipids
320304	Medical Biochemistry: Nucleic Acids	110105	Medical Biochemistry: Nucleic Acids
320305	Medical Biochemistry: Proteins and Peptides	110106	Medical Biochemistry: Proteins and Peptides (incl. Medical Proteomics)
320306	Medical Biochemistry: Phospholipids	110104p	Medical Biochemistry: Lipids
320307	Medical Biochemistry: Other	110101	Medical Biochemistry: Amino Acids and Metabolites
		110103	Medical Biochemistry: Inorganic Elements and Compounds
		110107	Metabolic Medicine
		110199	Medical Biochemistry and Metabolomics not elsewhere classified

**320400 MEDICAL MICROBIOLOGY**

320401	Medical Bacteriology	110801	Medical Bacteriology
320402	Medical Virology	110804	Medical Virology
320403	Medical Infection Agents (incl. Prions)	110802	Medical Infection Agents (incl. Prions)
320404	Medical Mycology	110899p	Medical Microbiology not elsewhere classified
320405	Medical Parasitology	110803	Medical Parasitology
320499	Medical Microbiology not elsewhere classified	110303p	Clinical Microbiology
		110899p	Medical Microbiology not elsewhere classified

**320500 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES**

320501	Pharmaceutical Sciences and Pharmacy	111503	Clinical Pharmacy and Pharmacy Practice
320502	Basic Pharmacology	111504	Pharmaceutical Sciences
320503	Clinical Pharmacology and Therapeutics	110502p	Dental Therapeutics, Pharmacology and Toxicology
320504	Toxicology (incl. Clinical Toxicology)	111501	Basic Pharmacology
320599	Pharmacology not elsewhere classified	110502p	Dental Therapeutics, Pharmacology and Toxicology
		111502	Clinical Pharmacology and Therapeutics
		110502p	Dental Therapeutics, Pharmacology and Toxicology
		111506	Toxicology (incl. Clinical Toxicology)
		111505	Pharmacogenomics
		111599	Pharmacology and Pharmaceutical Sciences not elsewhere classified

**320600 MEDICAL PHYSIOLOGY**

320601 Human Biophysics  
 320602 Cell Physiology  
 320603 Systems Physiology  
 320699 Medical Physiology not elsewhere classified

111602 Human Biophysics  
 111601 Cell Physiology  
 111603 Systems Physiology  
 111699 Medical Physiology not elsewhere classified

**320700 NEUROSCIENCES**

320701 Autonomic Nervous System  
 320702 Central Nervous System  
 320703 Peripheral Nervous System  
 320704 Cellular Nervous System  
 320705 Sensory Systems  
 320799 Neurosciences not elsewhere classified

110901 Autonomic Nervous System  
 110903 Central Nervous System  
 110905 Peripheral Nervous System  
 110902 Cellular Nervous System  
 110906 Sensory Systems  
 110999 Neurosciences not elsewhere classified

**320800 DENTISTRY**

320801 Oral Surgery  
 320802 Dentistry Support  
 320803 Dental Technology  
 320804 Dental Therapy  
 320899 Dentistry not elsewhere classified

110504p Oral and Maxillofacial Surgery  
 110599p Dentistry not elsewhere classified  
 110501 Dental Materials and Equipment  
 110599p Dentistry not elsewhere classified  
 110501p Dental Materials and Equipment  
 110502p Dental Therapeutics, Pharmacology and Toxicology  
 110503 Endodontics  
 110504p Oral and Maxillofacial Surgery  
 110505p Oral Medicine and Pathology  
 110506 Orthodontics and Dentofacial Orthopaedics  
 110507 Paedodontics  
 110508 Periodontics  
 110509 Special Needs Dentistry  
 110599p Dentistry not elsewhere classified

**320900 OPTOMETRY**

320901 Optical Technology  
 320999 Optometry not elsewhere classified

111302 Optical Technology  
 111399p Ophthalmology and Optometry not elsewhere classified

**321000 CLINICAL SCIENCES**

321001 Anaesthesiology  
 321002 Dermatology  
 321003 Cardiology (incl. Cardiovascular Diseases)  
 321004 Endocrinology  
 321005 Foetal Development and Medicine  
 321006 Gastroenterology and Hepatology  
 321007 Geriatrics and Gerontology  
 321008 Haematology  
 321009 Intensive Care  
 321010 Infectious Diseases  
 321011 Medical Genetics  
  
 321012 Nephrology and Urology  
 321013 Neurology and Neuromuscular Diseases  
 321014 Obstetrics and Gynaecology  
 321015 Oncology and Carcinogenesis

110301 Anaesthesiology  
 110304 Dermatology  
 110201 Cardiology (incl. Cardiovascular Diseases)  
 110306 Endocrinology  
 111401 Foetal Development and Medicine  
 110307 Gastroenterology and Hepatology  
 110308 Geriatrics and Gerontology  
 110202 Haematology  
 110310 Intensive Care  
 110309 Infectious Diseases  
 110311 Medical Genetics (excl. Cancer Genetics)  
 111203p Cancer Genetics  
 110312 Nephrology and Urology  
 110904 Neurology and Neuromuscular Diseases  
 111402 Obstetrics and Gynaecology  
 111201 Cancer Cell Biology  
 111202 Cancer Diagnosis  
 111203p Cancer Genetics  
 111204 Cancer Therapy (excl. Chemotherapy and Radiation Therapy)  
 111205 Chemotherapy  
 111206 Haematological Tumours  
 111207 Molecular Targets  
 111209 Solid Tumours  
 111299 Oncology and Carcinogenesis not elsewhere classified  
 111301 Ophthalmology  
 111303 Vision Science  
 110314 Orthopaedics  
 110315 Otorhinolaryngology  
 111403 Paediatrics  
 110316 Pathology (excl. Oral Pathology)  
 110505p Oral Medicine and Pathology  
 110319p Psychiatry (incl. Psychotherapy)  
 110320 Radiology and Organ Imaging

321016 Ophthalmology and Vision Science

321017 Orthopaedics  
 321018 Otorhinolaryngology  
 321019 Paediatrics  
 321020 Pathology

321021 Psychiatry  
 321022 Radiology and Organ Imaging

**320000 MEDICAL AND HEALTH SCIENCES** *continued*

321023	Radiotherapy and Nuclear Medicine	110313	Nuclear Medicine
		111208	Radiation Therapy
321024	Rehabilitation and Therapy: Occupational and Physical	110317p	Physiotherapy
		110321p	Rehabilitation and Therapy (excl. Physiotherapy)
321025	Rehabilitation and Therapy: Hearing and Speech	110321p	Rehabilitation and Therapy (excl. Physiotherapy)
321026	Reproduction	111404	Reproduction
321027	Respiratory Diseases	110203	Respiratory Diseases
321028	Rheumatology and Arthritis	110322	Rheumatology and Arthritis
321029	Surgery	110323	Surgery
321030	Venereology	110324	Venereology
321099	Clinical Sciences not elsewhere classified	110299	Cardiorespiratory Medicine and Haematology not elsewhere classified
		110303p	Clinical Microbiology
		110305	Emergency Medicine
		110317p	Physiotherapy
		110319p	Psychiatry (incl. Psychotherapy)
		110399	Clinical Sciences not elsewhere classified
		111399p	Ophthalmology and Optometry not elsewhere classified
		111499	Paediatrics and Reproductive Medicine not elsewhere classified

**321100 NURSING**

321101	Midwifery	111006	Midwifery
321102	Clinical Nursing: Primary (Preventative)	111002	Clinical Nursing: Primary (Preventative)
321103	Clinical Nursing: Secondary (Acute Care)	111003	Clinical Nursing: Secondary (Acute Care)
321104	Clinical Nursing: Tertiary (Rehabilitative)	111004	Clinical Nursing: Tertiary (Rehabilitative)
321105	Mental Health Nursing	111005	Mental Health Nursing
321106	Aged Care Nursing	111001	Aged Care Nursing
321199	Nursing not elsewhere classified	111099	Nursing not elsewhere classified

**321200 PUBLIC HEALTH AND HEALTH SERVICES**

321201	Environmental and Occupational Health and Safety	111705	Environmental and Occupational Health and Safety
321202	Epidemiology	111706	Epidemiology
321203	Health Information Systems (incl. Surveillance)	111711	Health Information Systems (incl. Surveillance)
321204	Mental Health	111714	Mental Health
321205	Nutrition and Dietetics	111101	Clinical and Sports Nutrition
		111102	Dietetics and Nutrigenomics
		111103	Nutritional Physiology
		111104	Public Nutrition Intervention
		111199	Nutrition and Dietetics not elsewhere classified
321206	Preventive Medicine	111716	Preventive Medicine
321207	Indigenous Health	111701	Aboriginal and Torres Strait Islander Health
		111713	Māori Health
		111715	Pacific Peoples Health
321208	Primary Health Care	111717	Primary Health Care
321209	Family Care	111707	Family Care
321210	Community Child Health	111704	Community Child Health
321211	Residential Client Care	111718	Residential Client Care
321212	Care for Disabled	111703	Care for Disabled
321213	Human Bioethics	220101p	Bioethics (human and animal)
		220106	Medical Ethics
321214	Health and Community Services	111708	Health and Community Services
321215	Health Care Administration	111709	Health Care Administration
321216	Health Promotion	111712	Health Promotion
321217	Health Counselling	111710	Health Counselling
321299	Public Health and Health Services not elsewhere classified	111702	Aged Health Care
		111799	Public Health and Health Services not elsewhere classified

**321300 COMPLEMENTARY/ALTERNATIVE MEDICINE**

321301	Oriental Medicine and Treatments	110404	Traditional Chinese Medicine and Treatments
321302	Chiropractic	110401	Chiropractic
321303	Naturopathy	110402	Naturopathy
321399	Complementary/Alternative Medicine not elsewhere classified	110403	Traditional Aboriginal and Torres Strait Islander Medicine and Treatments
		110405	Traditional Māori Medicine and Treatments
		110499	Complementary and Alternative Medicine not elsewhere classified

**321400 HUMAN MOVEMENT AND SPORTS SCIENCE**

321401	Exercise Physiology	110602	Exercise Physiology
321402	Biomechanics	110601	Biomechanics
321403	Motor Control	110603	Motor Control
321404	Sport and Exercise Psychology	170114	Sport and Exercise Psychology
321405	Sports Medicine	110604	Sports Medicine
321499	Human Movement and Sports Science not elsewhere classified	110699	Human Movement and Sports Science not elsewhere classified

**329900 OTHER MEDICAL AND HEALTH SCIENCES**

329901	Podiatry	110318	Podiatry
329902	Medical Biotechnology	100401p	Gene and Molecular Therapy
		100402p	Medical Biotechnology Diagnostics (incl. Biosensors)
		100403p	Medical Molecular Engineering of Nucleic Acids and Proteins
		100404p	Regenerative Medicine (incl. Stem Cells and Tissue Engineering)
		100499p	Medical Biotechnology not elsewhere classified
329903	Therapies and Therapeutic Technology	119999p	Medical and Health Sciences not elsewhere classified
329999	Medical and Health Sciences not elsewhere classified	119999p	Medical and Health Sciences not elsewhere classified

**330000 EDUCATION**

**330100 EDUCATION STUDIES**

330101	Educational Psychology	130309	Learning Sciences
330102	History and Philosophy of Education	220202	History and Philosophy of Education
330103	Sociology of Education	160809	Sociology of Education
330104	Educational Policy, Administration and Management	130304p	Educational Administration, Management and Leadership
		160506	Education Policy
330105	Educational Counselling	130305	Educational Counselling
330106	Comparative Education	130302p	Comparative and Cross-Cultural Education
330107	Educational Technology and Media	130306	Educational Technology and Computing
330108	Special Education	130312p	Special Education and Disability
330109	Assessment and Evaluation	130303	Education Assessment and Evaluation
330199	Education Studies not elsewhere classified	130301	Aboriginal and Torres Strait Islander Education
		130302p	Comparative and Cross-Cultural Education
		130304p	Educational Administration, Management and Leadership
		130307	Ethnic Education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)
		130308	Gender, Sexuality and Education
		130310	Māori Education (excl. Early Childhood and Primary Education)
		130311	Pacific Peoples Education
		130313p	Teacher Education and Professional Development of Educators
		130399	Specialist Studies in Education not elsewhere classified

**330200 CURRICULUM STUDIES**

330201	Curriculum Studies: English Education	130204p	English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)
		130207p	LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)
330202	Curriculum Studies: Mathematics Education	130208p	Mathematics and Numeracy Curriculum and Pedagogy
330203	Curriculum Studies: Science Education	130212p	Science, Technology and Engineering Curriculum and Pedagogy
330204	Curriculum Studies: Economics, Commerce, Management and Services Education	130203p	Economics, Business and Management Curriculum and Pedagogy
		130213p	Vocational Education and Training Curriculum and Pedagogy
330205	Curriculum Studies: Other Social Sciences, Humanities and Arts Education	130201p	Creative Arts, Media and Communication Curriculum and Pedagogy
		130205p	Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)
330206	Curriculum Theory and Development	130202p	Curriculum and Pedagogy Theory and Development
330299	Curriculum Studies not elsewhere classified	130201p	Creative Arts, Media and Communication Curriculum and Pedagogy
		130202p	Curriculum and Pedagogy Theory and Development
		130203p	Economics, Business and Management Curriculum and Pedagogy

**330000 EDUCATION** *continued*

- 130204p English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)
- 130205p Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)
- 130206 Kōhanga Reo (Māori Language Curriculum and Pedagogy)
- 130207p LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)
- 130208p Mathematics and Numeracy Curriculum and Pedagogy
- 130209p Medicine, Nursing and Health Curriculum and Pedagogy
- 130210 Physical Education and Development Curriculum and Pedagogy
- 130211 Religion Curriculum and Pedagogy
- 130212p Science, Technology and Engineering Curriculum and Pedagogy
- 130213p Vocational Education and Training Curriculum and Pedagogy
- 130299 Curriculum and Pedagogy not elsewhere classified

**330300 PROFESSIONAL DEVELOPMENT OF TEACHERS**

- |        |   |   |   |
|--------|---|---|---|
| 330301 | Teacher Education: Early Childhood                            | 130102p Early Childhood Education (excl. Māori)                     | 130107p Te Whāriki (Māori Early Childhood Education)                |
|        |   | 130313p Teacher Education and Professional Development of Educators |   |
| 330302 | Teacher Education: Primary                                    | 130104p Kura Kaupapa Māori (Māori Primary Education)                | 130105p Primary Education (excl. Māori)                             |
|        |   | 130313p Teacher Education and Professional Development of Educators |   |
| 330303 | Teacher Education: Secondary                                  | 130106p Secondary Education   | 130313p Teacher Education and Professional Development of Educators |
| 330304 | Teacher Education: Vocational Education and Training          | 130101p Continuing and Community Education                          | 130108p Technical, Further and Workplace Education                  |
|        |   | 130313p Teacher Education and Professional Development of Educators |   |
| 330305 | Teacher Education: Higher Education                           | 130103p Higher Education  | 130313p Teacher Education and Professional Development of Educators |
| 330306 | Teacher Education: Special Education                          | 130312p Special Education and Disability                            | 130313p Teacher Education and Professional Development of Educators |
| 330307 | Teacher Education: Nursing and Health                         | 130209p Medicine, Nursing and Health Curriculum and Pedagogy        | 130313p Teacher Education and Professional Development of Educators |
| 330399 | Professional Development of Teachers not elsewhere classified | 130199p Education Systems not elsewhere classified                  | 130313p Teacher Education and Professional Development of Educators |

**339900 OTHER EDUCATION**

- |        |                 |  |  |
|--------|-----------------|--|--|
| 339999 | Other Education | 130101p Continuing and Community Education           | 130102p Early Childhood Education (excl. Māori)      |
|        |                 | 130103p Higher Education                             | 130104p Kura Kaupapa Māori (Māori Primary Education) |
|        |                 | 130105p Primary Education (excl. Māori)              | 130106p Secondary Education                          |
|        |                 | 130107p Te Whāriki (Māori Early Childhood Education) | 130108p Technical, Further and Workplace Education   |
|        |                 | 130199p Education Systems not elsewhere classified   | 139999 Education not elsewhere classified            |



**340000 ECONOMICS**

**340100 ECONOMIC THEORY**

340101	Microeconomic Theory	140104	Microeconomic Theory
340102	Macroeconomic Theory	140102	Macroeconomic Theory
340103	Mathematical Economics	140103	Mathematical Economics
340199	Economic Theory not elsewhere classified	140199	Economic Theory not elsewhere classified

**340200 APPLIED ECONOMICS**

340201	Agricultural Economics	140201	Agricultural Economics
340202	Environment and Resource Economics	140205	Environment and Resource Economics
340203	Finance Economics	140207	Financial Economics
340204	Health Economics	140208	Health Economics
340205	Industry Economics and Industrial Organisation	140209	Industry Economics and Industrial Organisation
340206	International Economics and International Finance	140210	International Economics and International Finance
340207	Labour Economics	140211	Labour Economics
340208	Macroeconomics (incl. Monetary and Fiscal Theory)	140212	Macroeconomics (incl. Monetary and Fiscal Theory)
340209	Public Sector Economics	140213p	Public Economics- Public Choice
		140214	Public Economics- Publicly Provided Goods
		140215	Public Economics- Taxation and Revenue
340210	Welfare Economics	140219	Welfare Economics
340211	Transport Economics	140217	Transport Economics
340212	Economic Geography	160401	Economic Geography
340213	Economic Development and Growth	140202	Economic Development and Growth
340214	Urban and Regional Economics	140218	Urban and Regional Economics
340299	Applied Economics not elsewhere classified	140204	Economics of Education
		140206	Experimental Economics
		140299	Applied Economics not elsewhere classified

**340300 ECONOMIC HISTORY AND HISTORY OF ECONOMIC THOUGHT**

340301	Economic History	140203	Economic History
340302	History of Economic Thought	140101	History of Economic Thought

**340400 ECONOMETRICS**

340401	Economic Models and Forecasting	140303	Economic Models and Forecasting
340402	Econometric and Statistical Methods	140302	Econometric and Statistical Methods
340403	Time-Series Analysis	140305	Time-Series Analysis
340404	Cross-Sectional Analysis	140301	Cross-Sectional Analysis
340405	Panel Data Analysis	140304	Panel Data Analysis
340499	Econometrics not elsewhere classified	140399	Econometrics not elsewhere classified

**349900 OTHER ECONOMICS**

349901	Political Economy	140213p	Public Economics- Public Choice
		149903	Heterodox Economics
349902	Comparative Economic Systems	149901	Comparative Economic Systems
349999	Economics not elsewhere classified	149902	Ecological Economics
		149999	Economics not elsewhere classified

**350000 COMMERCE, MANAGEMENT, TOURISM AND SERVICES**

**350100 ACCOUNTING, AUDITING AND ACCOUNTABILITY**

350101	Financial Accounting	150103	Financial Accounting
350102	Management Accounting	150105	Management Accounting
350103	Auditing and Accountability	150102	Auditing and Accountability
350104	Taxation	150107	Taxation Accounting
350105	Bookkeeping	150199p	Accounting, Auditing and Accountability not elsewhere classified
350106	International Accounting	150104	International Accounting
350107	Other Accounting	150101	Accounting Theory and Standards
		150106	Sustainability Accounting and Reporting
		150199p	Accounting, Auditing and Accountability not elsewhere classified

**350200 BUSINESS AND MANAGEMENT**

350201 Human Resources Management  
 350202 Business Information Systems (incl. Data Processing)  
 350203 Industrial Relations  
 350204 Marketing and Market Research  
  
 350205 Sales and Distribution  
 350206 Advertising and Public Relations  
 350207 Office Services  
 350208 Organisational Planning and Management  
 350209 Small Business Management  
 350210 Quality Management  
 350211 Innovation and Technology Management  
 350212 International Business  
 350213 Electronic Commerce  
 350299 Business and Management not elsewhere classified

150305 Human Resources Management  
 150302 Business Information Systems  
 150306 Industrial Relations  
 150501 Consumer-Oriented Product or Service Development  
 150502p Marketing Communications  
 150503 Marketing Management (incl. Strategy and Customer Relations)  
 150504 Marketing Measurement  
 150505 Marketing Research Methodology  
 150506 Marketing Theory  
 150507 Pricing (incl. Consumer Value Estimation)  
 150599 Marketing not elsewhere classified  
 150309 Logistics and Supply Chain Management  
 150502p Marketing Communications  
 150399p Business and Management not elsewhere classified  
 150312 Organisational Planning and Management  
 150314 Small Business Management  
 150313 Quality Management  
 150307 Innovation and Technology Management  
 150308 International Business  
 150399p Business and Management not elsewhere classified  
 150301p Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)  
 150303 Corporate Governance and Stakeholder Engagement  
 150304 Entrepreneurship  
 150310 Organisation and Management Theory  
 150311 Organisational Behaviour  
 150399p Business and Management not elsewhere classified

**350300 BANKING, FINANCE AND INVESTMENT**

350301 Finance  
 350302 Financial Econometrics  
 350303 Financial Institutions (incl. Banking)  
 350304 Insurance Studies  
 350399 Banking, Finance and Investment not elsewhere classified

150201 Finance  
 150202 Financial Econometrics  
 150203 Financial Institutions (incl. Banking)  
 150204 Insurance Studies  
 150205 Investment and Risk Management  
 150299 Banking, Finance and Investment not elsewhere classified

**350400 TRANSPORTATION**

350401 Aeronautical Transportation  
 350402 Aircrew Training  
 350403 Nautical Transportation  
 350404 Marine Crew Training  
 350405 Road and Rail Transportation  
  
 350499 Transportation not elsewhere classified

150701 Air Transportation and Freight Services  
 150799p Transportation and Freight Services not elsewhere classified  
 150799p Transportation and Freight Services not elsewhere classified  
 150799p Transportation and Freight Services not elsewhere classified  
 150702 Rail Transportation and Freight Services  
 150703 Road Transportation and Freight Services  
 150799p Transportation and Freight Services not elsewhere classified

**350500 TOURISM**

350501 Tourism Policy and Planning  
 350502 Tourism Resource Appraisal  
 350503 Impacts of Tourism  
 350504 Tourist Behaviour  
 350505 Tourism Economics  
 350506 Tourism Forecasting  
 350507 Tourism Management  
 350508 Tourism Marketing  
 350599 Tourism not elsewhere classified

160513 Tourism Policy  
 150605 Tourism Resource Appraisal  
 150601 Impacts of Tourism  
 150606 Tourist Behaviour and Visitor Experience  
 140216 Tourism Economics  
 150602 Tourism Forecasting  
 150603 Tourism Management  
 150604 Tourism Marketing  
 150699 Tourism not elsewhere classified

**350600 SERVICES**

350601 Hospitality Management  
 350602 Food and Hospitality Services  
 350603 Real Estate and Valuation  
 350604 Professional Services (Legal, Management Consulting, etc.)  
 350605 Other Retail Services  
 350606 Wholesale Services  
 350699 Services not elsewhere classified

150402 Hospitality Management  
 150401 Food and Hospitality Services  
 150403 Real Estate and Valuation Services  
 150499p Commercial Services not elsewhere classified  
 150499p Commercial Services not elsewhere classified  
 150499p Commercial Services not elsewhere classified  
 150404 Sport and Leisure Management  
 150499p Commercial Services not elsewhere classified

**359900 OTHER COMMERCE, MANAGEMENT, TOURISM AND SERVICES**

359999 Other Commerce, Management, Tourism and Services 159999 Commerce, Management, Tourism and Services not elsewhere classified

**360000 POLICY AND POLITICAL SCIENCE**

**360100 POLITICAL SCIENCE**

360101 Australian Government and Politics	160601 Australian Government and Politics
360102 Comparative Government and Politics	160603 Comparative Government and Politics
360103 Federalism and Intergovernmental Relations	160699p Political Science not elsewhere classified
360104 Political Theory and Political Philosophy	160609 Political Theory and Political Philosophy
360105 International Relations	160607 International Relations
360199 Political Science not elsewhere classified	160602 Citizenship
	160605 Environmental Politics
	160606 Government and Politics of Asia and the Pacific
	160608 New Zealand Government and Politics
	160699p Political Science not elsewhere classified

**360200 POLICY AND ADMINISTRATION**

360201 Public Policy	160510 Public Policy
360202 Public Administration	160509 Public Administration
360203 Research, Science and Technology Policy	160511 Research, Science and Technology Policy
360204 Defence Studies	160604 Defence Studies
360299 Policy and Administration not elsewhere classified	160501 Aboriginal and Torres Strait Islander Policy
	160502p Arts and Cultural Policy
	160503 Communications and Media Policy
	160504 Crime Policy
	160505 Economic Development Policy
	160507 Environment Policy
	160508 Health Policy
	160514 Urban Policy
	160599 Policy and Administration not elsewhere classified

**369900 OTHER POLICY AND POLITICAL SCIENCE**

369999 Other Policy and Political Science 169999p Studies in Human Society not elsewhere classified

**370000 STUDIES IN HUMAN SOCIETY**

**370100 SOCIOLOGY**

370101 Social Theory	160806 Social Theory
370102 Social Policy and Planning	160512p Social Policy
370103 Race and Ethnic Relations	160803 Race and Ethnic Relations
370104 Urban Sociology and Community Studies	160810 Urban Sociology and Community Studies
370105 Applied Sociology, Program Evaluation and Social Impact Assessment	160801 Applied Sociology, Program Evaluation and Social Impact Assessment
370106 Sociological Methodology and Research Methods	160807 Sociological Methodology and Research Methods
370107 Social Change	160805 Social Change
370199 Sociology not elsewhere classified	160802 Environmental Sociology
	160804 Rural Sociology
	160899 Sociology not elsewhere classified

**370200 SOCIAL WORK**

370201 Clinical Social Work Practice	160701 Clinical Social Work Practice
370202 Social Program Evaluation	160703 Social Program Evaluation
370203 Social Policy	160512p Social Policy
370204 Counselling, Welfare and Community Services	160702 Counselling, Welfare and Community Services
370299 Social Work not elsewhere classified	160799 Social Work not elsewhere classified

**370300 ANTHROPOLOGY**

370301 Biological (Physical) Anthropology	160102 Biological (Physical) Anthropology
370302 Social and Cultural Anthropology	160104 Social and Cultural Anthropology
370303 Linguistic Anthropology	160103 Linguistic Anthropology
370399 Anthropology not elsewhere classified	160101 Anthropology of Development
	160199 Anthropology not elsewhere classified

**370400 HUMAN GEOGRAPHY**

370401	Urban and Regional Studies	160404	Urban and Regional Studies (excl. Planning)
370402	Social and Cultural Geography	160403	Social and Cultural Geography
370403	Recreation and Leisure Studies	160402	Recreation, Leisure and Tourism Geography
370499	Human Geography not elsewhere classified	160499	Human Geography not elsewhere classified

**370500 DEMOGRAPHY**

370501	Population Trends and Policies	160305	Population Trends and Policies
370502	Migration	160303	Migration
370503	Fertility	160302	Fertility
370504	Family and Household Studies	160301	Family and Household Studies
370599	Demography not elsewhere classified	160304	Mortality
		160399	Demography not elsewhere classified

**370600 HISTORY AND PHILOSOPHY OF SCIENCE AND MEDICINE**

370601	History and Philosophy of Science and Technology	220203	History and Philosophy of Engineering and Technology
		220206	History and Philosophy of Science (incl. Non-historical Philosophy of Science)
370602	Sociology and Social Studies of Science and Technology	160808	Sociology and Social Studies of Science and Technology
370603	History and Philosophy of Medicine	220205	History and Philosophy of Medicine
370699	History and Philosophy of Science and Medicine not elsewhere classified	220299	History and Philosophy of Specific Fields not elsewhere classified

**379900 OTHER STUDIES IN HUMAN SOCIETY**

379901	Gender Specific Studies	169901	Gender Specific Studies
379902	Aboriginal Studies	169902	Studies of Aboriginal and Torres Strait Islander Society
379999	Studies in Human Society not elsewhere classified	169903	Studies of Asian Society
		169904	Studies of Māori Society
		169905	Studies of Pacific Peoples' Societies
		169999p	Studies in Human Society not elsewhere classified

**380000 BEHAVIOURAL AND COGNITIVE SCIENCES**

**380100 PSYCHOLOGY**

380101	Sensory Processes, Perception and Performance	170112	Sensory Processes, Perception and Performance
380102	Learning, Memory, Cognition and Language	170103p	Educational Psychology
380103	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	170101	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)
380104	Personality, Abilities and Assessment	170109	Personality, Abilities and Assessment
380105	Social and Community Psychology	170113	Social and Community Psychology
380106	Developmental Psychology and Ageing	170102	Developmental Psychology and Ageing
380107	Health, Clinical and Counselling Psychology	170106	Health, Clinical and Counselling Psychology
380108	Industrial and Organisational Psychology	170107	Industrial and Organisational Psychology
380109	Psychological Methodology, Design and Analysis	170110	Psychological Methodology, Design and Analysis
380199	Psychology not elsewhere classified	170103p	Educational Psychology
		170104	Forensic Psychology
		170105	Gender Psychology
		170108	Kaupapa Māori Psychology
		170199	Psychology not elsewhere classified

**380200 LINGUISTICS**

380201	Applied Linguistics and Educational Linguistics	200401	Applied Linguistics and Educational Linguistics
380202	Computational Linguistics	200402	Computational Linguistics
380203	Discourse and Pragmatics	200403	Discourse and Pragmatics
380204	Laboratory Phonetics and Speech Science	200404	Laboratory Phonetics and Speech Science
380205	Language in Culture and Society (Sociolinguistics)	200405	Language in Culture and Society (Sociolinguistics)
380206	Language in Time and Space (incl. Historical Linguistics, Dialectology)	200406	Language in Time and Space (incl. Historical Linguistics, Dialectology)
380207	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)	200408	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
380208	Lexicography	200407	Lexicography
380299	Linguistics not elsewhere classified	200499	Linguistics not elsewhere classified

**380300 COGNITIVE SCIENCE**

380301	Philosophy of Cognition	220312	Philosophy of Cognition
380302	Linguistic Processes (incl. Speech Production and Comprehension)	170204	Linguistic Processes (incl. Speech Production and Comprehension)
380303	Computer Perception, Memory and Attention	170201	Computer Perception, Memory and Attention
380304	Neurocognitive Patterns and Neural Networks	170205	Neurocognitive Patterns and Neural Networks
380305	Knowledge Representation and Machine Learning	170203	Knowledge Representation and Machine Learning
380306	Planning and Problem Solving	170299p	Cognitive Sciences not elsewhere classified
380399	Cognitive Science not elsewhere classified	170202	Decision Making
		170299p	Cognitive Sciences not elsewhere classified

**389900 OTHER BEHAVIOURAL AND COGNITIVE SCIENCES**

389999	Other Behavioural and Cognitive Sciences	179999	Psychology and Cognitive Sciences not elsewhere classified
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**390000 LAW, JUSTICE AND LAW ENFORCEMENT**

**390100 LAW**

390101	Administrative Law	180103	Administrative Law
390102	Comparative Law	180106	Comparative Law
390103	Constitutionalism and Constitutional Law	180108	Constitutional Law
		180199p	Law not elsewhere classified
390104	Commercial and Contract Law	180105	Commercial and Contract Law
390105	Corporations and Associations Law	180109	Corporations and Associations Law
390106	Criminal Law	180110p	Criminal Law and Procedure
390107	Environmental and Natural Resources Law	180111	Environmental and Natural Resources Law
390108	Family Law	180113	Family Law
390109	Civil Law	180104p	Civil Law and Procedure
390110	Indigenous Law	180101	Aboriginal and Torres Strait Islander Law
		180201p	Nga Tikanga Māori (Māori Customary Law)
		180202p	Te Māori Whakakaere Rauemi (Māori Resource Law)
		180203p	Te Tiriti O Waitangi (The Treaty of Waitangi)
		180204p	Te Ture Whenua (Māori Land Law)
		180299p	Māori Law not elsewhere classified
390111	International Law	180107p	Conflict of Laws (Private International Law)
		180116	International Law (excl. International Trade Law)
		180117p	International Trade Law
390112	Law and Literature	180199p	Law not elsewhere classified
390113	Legal History	220204p	History and Philosophy of Law and Justice
390114	Intellectual Property	180115	Intellectual Property Law
390115	Property Law and Conveyancing (excl. Intellectual Property)	180124	Property Law (excl. Intellectual Property Law)
390116	Labour Law	180118	Labour Law
390117	Tort Law	180126	Tort Law
390118	Taxation Law	180125	Taxation Law
390119	Equity Law	180112p	Equity and Trusts Law
390120	Trust Law	180112p	Equity and Trusts Law
390199	Law not elsewhere classified	180102p	Access to Justice
		180107p	Conflict of Laws (Private International Law)
		180117p	International Trade Law
		180199p	Law not elsewhere classified

**390200 PROFESSIONAL DEVELOPMENT OF LAW PRACTITIONERS**

390201	Legal Practice	180121p	Legal Practice, Lawyering and the Legal Profession
390202	Adjudication	180122p	Legal Theory, Jurisprudence and Legal Interpretation
		180123p	Litigation, Adjudication and Dispute Resolution
390203	Legal Education	130205p	Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)
		180119p	Law and Society
390204	Professional Ethics	220105	Legal Ethics
390299	Professional Development of Law Practitioners not elsewhere classified	180121p	Legal Practice, Lawyering and the Legal Profession
		180199p	Law not elsewhere classified

**390300 JUSTICE AND LEGAL STUDIES**

390301	Justice Systems and Administration	180120p	Legal Institutions (incl. Courts and Justice Systems)
390302	Jurisprudence and Legal Theory	180122p	Legal Theory, Jurisprudence and Legal Interpretation
		180123p	Litigation, Adjudication and Dispute Resolution
390303	Human Rights	180114	Human Rights Law
		220104p	Human Rights and Justice Issues
390304	Counselling and Mediation Services	180123p	Litigation, Adjudication and Dispute Resolution
390305	Law and Society	180119p	Law and Society
390399	Justice and Legal Studies not elsewhere classified	180102p	Access to Justice
		180120p	Legal Institutions (incl. Courts and Justice Systems)
		180199p	Law not elsewhere classified

**390400 LAW ENFORCEMENT**

390401	Criminology	160201p	Causes and Prevention of Crime
		160203p	Courts and Sentencing
		160204p	Criminological Theories
		160206p	Private Policing and Security Services
		160299p	Criminology not elsewhere classified
390402	Evidence and Procedure	160205p	Police Administration, Procedures and Practice
		180104p	Civil Law and Procedure
		180110p	Criminal Law and Procedure
390403	Police Administration, Procedures and Practice	160205p	Police Administration, Procedures and Practice
390404	Detection and Prevention of Crime; Security Services	160201p	Causes and Prevention of Crime
		160206p	Private Policing and Security Services
390405	Correctional Theory and Services; Penology	160202	Correctional Theory, Offender Treatment and Rehabilitation
390499	Law Enforcement not elsewhere classified	160201p	Causes and Prevention of Crime
		160203p	Courts and Sentencing
		160204p	Criminological Theories
		160206p	Private Policing and Security Services
		160299p	Criminology not elsewhere classified

**399900 OTHER LAW, JUSTICE AND LAW ENFORCEMENT**

399901	History and Philosophy of Law and Justice	220204p	History and Philosophy of Law and Justice
399999	Law, Justice and Law Enforcement not elsewhere classified	180201p	Nga Tikanga Māori (Māori Customary Law)
		180202p	Te Māori Whakakaere Rauemi (Māori Resource Law)
		180203p	Te Tiriti O Waitangi (The Treaty of Waitangi)
		180204p	Te Ture Whenua (Māori Land Law)
		180299p	Māori Law not elsewhere classified
		189999	Law and Legal Studies not elsewhere classified

**400000 JOURNALISM, LIBRARIANSHIP AND CURATORIAL STUDIES**

**400100 JOURNALISM, COMMUNICATION AND MEDIA**

400101	Journalism	190301	Journalism Studies
400102	Technical Writing	190303	Technical Writing
400103	Professional Creative Writing	190402p	Creative Writing (incl. Playwriting)
400104	Communication and Media Studies	200101	Communication Studies
		200102	Communication Technology and Digital Media Studies
		200103	International and Development Communication
		200104	Media Studies
		200105	Organisational, Interpersonal and Intercultural Communication
		200199	Communication and Media Studies not elsewhere classified
400199	Journalism, Communication and Media not elsewhere classified	190302	Professional Writing
		190399	Journalism and Professional Writing not elsewhere classified

**400200 LIBRARIANSHIP**

400201	Librarianship	080706	Librarianship
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**400300 CURATORIAL STUDIES**

400301	Museum Studies	210204	Museum Studies
400302	Archival Studies	210201p	Archival, Repository and Related Studies
400303	Materials Conservation	210203	Materials Conservation
400399	Curatorial Studies not elsewhere classified	210201p	Archival, Repository and Related Studies
		210202	Heritage and Cultural Conservation
		210299	Curatorial and Related Studies not elsewhere classified

**409900 OTHER JOURNALISM, LIBRARIANSHIP AND CURATORIAL STUDIES**

409999	Other Journalism, Librarianship and Curatorial Studies	089999p	Information and Computing Sciences not elsewhere classified
		199999p	Studies in Creative Arts and Writing not elsewhere classified
		209999p	Language, Communication and Culture not elsewhere classified
		219999p	History and Archaeology not elsewhere classified

**410000 THE ARTS**

**410100 PERFORMING ARTS**

410101	Music	190406	Music Composition
		190407	Music Performance
		190408	Music Therapy
		190409	Musicology and Ethnomusicology
410102	Drama, Theatre and Performance Studies	190402p	Creative Writing (incl. Playwriting)
		190404	Drama, Theatre and Performance Studies
410103	Dance	190403	Dance
410104	Indigenous Performing Arts	190401	Aboriginal and Torres Strait Islander Performing Arts
		190405	Māori Performing Arts
		190410	Pacific Peoples Performing Arts
410199	Performing Arts not elsewhere classified	190499	Performing Arts and Creative Writing not elsewhere classified

**410200 VISUAL ARTS AND CRAFTS**

410201	Graphic Arts	190599p	Visual Arts and Crafts not elsewhere classified
410202	Fine Arts (incl. Sculpture and Painting)	190502	Fine Arts (incl. Sculpture and Painting)
410203	Photography	190503	Lens-based Practice
410204	Crafts	190501	Crafts
410299	Visual Arts and Crafts not elsewhere classified	190504	Performance and Installation Art
		190599p	Visual Arts and Crafts not elsewhere classified

**410300 CINEMA, ELECTRONIC ARTS AND MULTIMEDIA**

410301	Film and Video	190204	Film and Television
410302	Cinema Studies	190201	Cinema Studies
410303	Multimedia	190202	Computer Gaming and Animation
		190203	Electronic Media Art
		190205	Interactive Media
410304	Other Cinema and Electronic Arts	190299	Film, Television and Digital Media not elsewhere classified

**410400 DESIGN STUDIES**

410401	Design Theory	120301p	Design History and Theory
410402	Design Innovation	120302	Design Innovation
410403	Design Studio Practice	120303p	Design Management and Studio and Professional Practice
410404	Design Management and Professional Practice	120303p	Design Management and Studio and Professional Practice
410405	Design History and Cultural Theory	120301p	Design History and Theory
410499	Design Studies not elsewhere classified	120304	Digital and Interaction Design
		120305	Industrial Design
		120306	Textile and Fashion Design
		120307	Visual Communication Design (incl. Graphic Design)
		120399	Design Practice and Management not elsewhere classified
		120401p	Engineering Design Empirical Studies
		120402p	Engineering Design Knowledge
		120403p	Engineering Design Methods
		120404p	Engineering Systems Design
		120405p	Models of Engineering Design
		120499p	Engineering Design not elsewhere classified

**419900 OTHER ARTS**

419901	Art History and Appreciation	190101	Art Criticism
		190102	Art History
		190103	Art Theory
		190104	Visual Cultures
		190199	Art Theory and Criticism not elsewhere classified
419999	The Arts not elsewhere classified	129999p	Built Environment and Design not elsewhere classified
		199999p	Studies in Creative Arts and Writing not elsewhere classified

**420000 LANGUAGE AND CULTURE**

**420100 LANGUAGE STUDIES**

420101	English	200301	Early English Languages
		200302	English Language
420102	English as a Second Language	200303	English as a Second Language
420103	Aboriginal Languages	200319	Aboriginal and Torres Strait Islander Languages
420104	Latin	200305p	Latin and Classical Greek Languages
420105	Greek	200305p	Latin and Classical Greek Languages
		200399p	Language Studies not elsewhere classified
420106	French	200306	French Language
420107	German	200307	German Language
420108	Italian	200309	Italian Language
420109	Spanish	200308p	Iberian Languages
420110	Russian	200304p	Central and Eastern European Languages (incl. Russian)
420111	Other European Languages	200304p	Central and Eastern European Languages (incl. Russian)
		200308p	Iberian Languages
		200310	Other European Languages
420112	Chinese Languages	200311	Chinese Languages
420113	Japanese	200312	Japanese Language
420114	Indonesian Languages	200313	Indonesian Languages
420115	Malaysian Languages	200314p	South-East Asian Languages (excl. Indonesian)
420116	Indian Languages	200315	Indian Languages
420117	Korean	200316	Korean Language
420118	Vietnamese Languages	200314p	South-East Asian Languages (excl. Indonesian)
420119	Thai Languages	200314p	South-East Asian Languages (excl. Indonesian)
420120	Other Asian Languages	200314p	South-East Asian Languages (excl. Indonesian)
		200317	Other Asian Languages (excl. South-East Asian)
420121	Comparative Language Studies	200318p	Middle Eastern Languages
420122	Oracy and Oral Traditions	200322	Comparative Language Studies
420199	Language Studies not elsewhere classified	200399p	Language Studies not elsewhere classified
		200318p	Middle Eastern Languages
		200320	Pacific Languages
		200321	Te Reo Māori (Māori Language)
		200323	Translation and Interpretation Studies
		200399p	Language Studies not elsewhere classified

**420200 LITERATURE STUDIES**

420201	British and Irish	200503	British and Irish Literature
420202	Australian and New Zealand	200501	Aboriginal and Torres Strait Islander Literature
		200502	Australian Literature (excl. Aboriginal and Torres Strait Islander Literature)
		200504	Māori Literature
		200505	New Zealand Literature (excl. Māori Literature)
420203	North American	200506	North American Literature
420204	South American	200514p	Literature in Spanish and Portuguese
420205	Latin and Classical Greek	200510	Latin and Classical Greek Literature
420206	French	200511p	Literature in French
420207	German	200512p	Literature in German
420208	Italian	200513	Literature in Italian
420209	Russian	200509p	Central and Eastern European Literature (incl. Russian)
420210	Other European	200509p	Central and Eastern European Literature (incl. Russian)
		200511p	Literature in French
		200512p	Literature in German
		200514p	Literature in Spanish and Portuguese
		200515	Other European Literature
420211	Chinese	200517	Literature in Chinese
420212	Japanese	200518	Literature in Japanese
420213	Indonesian	200516	Indonesian Literature
420214	Indian	200520	Indian Literature
420215	Other Asian	200519	South-East Asian Literature (excl. Indonesian)
		200521	Korean Literature
		200522	Other Asian Literature (excl. South-East Asian)
		200523p	Middle Eastern Literature
420216	Comparative Literature Studies	200524	Comparative Literature Studies
420217	Textual Transmission and the Material Record	200526p	Stylistics and Textual Analysis
420218	Literary Theory	200525	Literary Theory
420219	Stylistics	200526p	Stylistics and Textual Analysis
420220	Folklore, Myth and Mythologies	200599p	Literary Studies not elsewhere classified



**420000 LANGUAGE AND CULTURE** *continued*

420299 Literature Studies not elsewhere classified

**420300 CULTURAL STUDIES**

420301 Cultural Policy Studies  
 420302 Cultural Theory  
 420303 Culture, Gender, Sexuality  
 420304 Screen and Media Culture  
 420305 Aboriginal Cultural Studies  
 420306 Postcolonial and Global Cultural Studies  
  
 420307 Consumption and Everyday Life  
 420308 Multicultural, Intercultural and Cross-cultural Studies  
 420399 Cultural Studies not elsewhere classified

**429900 OTHER LANGUAGE AND CULTURE**

429999 Other Language and Culture

**430000 HISTORY AND ARCHAEOLOGY**

**430100 HISTORICAL STUDIES**

430101 History: Australian  
  
 430102 History: Asian  
 430103 History: Pacific  
  
 430104 History: North American  
 430105 History: Latin American  
 430106 History: African  
 430107 History: British  
 430108 History: European  
 430109 History: Middle Eastern  
 430110 History: Classical Greek and Roman  
 430111 History: Other  
  
 430112 Biography  
 430199 Historical Studies not elsewhere classified

**430200 ARCHAEOLOGY AND PREHISTORY**

430201 Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)  
  
 430202 Archaeology of Agricultural and Pastoral Societies

200507 Pacific Literature  
 200508 Other Literatures in English  
 200511p Literature in French  
 200523p Middle Eastern Literature  
 200599p Literary Studies not elsewhere classified

160502p Arts and Cultural Policy  
 200204 Cultural Theory  
 200205 Culture, Gender, Sexuality  
 200212 Screen and Media Culture  
 200201 Aboriginal and Torres Strait Islander Cultural Studies  
 200206 Globalisation and Culture  
 200211 Postcolonial Studies  
 200203 Consumption and Everyday Life  
 200209 Multicultural, Intercultural and Cross-cultural Studies  
 200202 Asian Cultural Studies  
 200207 Māori Cultural Studies  
 200208 Migrant Cultural Studies  
 200210 Pacific Cultural Studies  
 200299 Cultural Studies not elsewhere classified

209999p Language, Communication and Culture not elsewhere classified

210301 Aboriginal and Torres Strait Islander History  
 210303 Australian History (excl. Aboriginal and Torres Strait Islander History)  
 210302 Asian History  
 210309 Māori History  
 210311 New Zealand History  
 210313 Pacific History (excl. New Zealand and Māori)  
 210312 North American History  
 210308 Latin American History  
 210310p Middle Eastern and African History  
 210305 British History  
 210307 European History (excl. British, Classical Greek and Roman)  
 210310p Middle Eastern and African History  
 210306 Classical Greek and Roman History  
 210399p Historical Studies not elsewhere classified  
 220201p Business and Labour History  
 220207p History and Philosophy of the Humanities  
 220208p History and Philosophy of the Social Sciences  
 210304 Biography  
 210399p Historical Studies not elsewhere classified  
 220201p Business and Labour History  
 220207p History and Philosophy of the Humanities  
 220208p History and Philosophy of the Social Sciences

210101p Aboriginal and Torres Strait Islander Archaeology  
  
 210103p Archaeology of Asia, Africa and the Americas  
 210105p Archaeology of Europe, the Mediterranean and the Levant  
 210106p Archaeology of New Guinea and Pacific Islands (excl. New Zealand)  
 210109p Māori Archaeology  
 210103p Archaeology of Asia, Africa and the Americas  
 210104p Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)  
 210105p Archaeology of Europe, the Mediterranean and the Levant  
 210106p Archaeology of New Guinea and Pacific Islands (excl. New Zealand)  
 210107p Archaeology of New Zealand (excl. Māori)

**430000 HISTORY AND ARCHAEOLOGY** *continued*

430203	Archaeology of Complex Societies: Europe, the Mediterranean and the Levant	210109p	Māori Archaeology
		210105p	Archaeology of Europe, the Mediterranean and the Levant
430204	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas	210103p	Archaeology of Asia, Africa and the Americas
		210104p	Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)
		210106p	Archaeology of New Guinea and Pacific Islands (excl. New Zealand)
		210107p	Archaeology of New Zealand (excl. Māori)
430205	Historical Archaeology (incl. Industrial Archaeology)	210109p	Māori Archaeology
430206	Maritime Archaeology	210108	Historical Archaeology (incl. Industrial Archaeology)
430207	Archaeological Science	210110	Maritime Archaeology
430299	Archaeology and Prehistory not elsewhere classified	210102	Archaeological Science
		210101p	Aboriginal and Torres Strait Islander Archaeology
		210199	Archaeology not elsewhere classified

**439900 OTHER HISTORY AND ARCHAEOLOGY**

439999	Other History and Archaeology	219999p	History and Archaeology not elsewhere classified
		220201p	Business and Labour History
		220207p	History and Philosophy of the Humanities
		220208p	History and Philosophy of the Social Sciences

**440000 PHILOSOPHY AND RELIGION**

**440100 PHILOSOPHY**

440101	Aesthetics	220301	Aesthetics
440102	Epistemology	220304	Epistemology
440103	Ethical Theory	220305	Ethical Theory
440104	Applied Ethics (incl. Bioethics and Environmental Ethics)	220101p	Bioethics (human and animal)
		220102	Business Ethics
		220103	Ethical Use of New Technology (e.g. Nanotechnology, Biotechnology)
		220104p	Human Rights and Justice Issues
		220107	Professional Ethics (incl. police and research ethics)
		220199	Applied Ethics not elsewhere classified
440105	History of Philosophy and History of Ideas	220303	Environmental Philosophy
		220209	History of Ideas
440106	Logic	220210	History of Philosophy
440107	Metaphysics	220308	Logic
440108	Philosophy of Language	220309	Metaphysics
440109	Philosophy of Mind (excl. Cognition)	220313	Philosophy of Language
440110	Social Philosophy	220314	Philosophy of Mind (excl. Cognition)
440111	Phenomenology	220319	Social Philosophy
440112	Hermeneutic Theory	220310	Phenomenology
440113	Comparative Philosophy	220307	Hermeneutic and Critical Theory
		220316p	Philosophy of Specific Cultures (incl. Comparative Philosophy)
440114	Philosophy of Action	220311	Philosophical Psychology (incl. Moral Psychology and Philosophy of Action)
440115	Philosophy of Specific Cultures (e.g. Ancient Greek, Chinese)	220316p	Philosophy of Specific Cultures (incl. Comparative Philosophy)
440199	Philosophy not elsewhere classified	220207p	History and Philosophy of the Humanities
		220208p	History and Philosophy of the Social Sciences
		220302	Decision Theory
		220306	Feminist Theory
		220317	Poststructuralism
		220318	Psychoanalytic Philosophy
		220399	Philosophy not elsewhere classified

**440200 RELIGION AND RELIGIOUS TRADITIONS**

440201	Hindu Studies	220406p	Studies in Eastern Religious Traditions
440202	Buddhist Studies	220406p	Studies in Eastern Religious Traditions
440203	Jewish Studies	220404	Jewish Studies
440204	Christian Theology (incl. Biblical Studies and Church History)	220401	Christian Studies (incl. Biblical Studies and Church History)
440205	Islamic Studies	220403	Islamic Studies

**440000 PHILOSOPHY AND RELIGION** *continued*

- |        |  |         |   |
|--------|--|---------|---|
| 440206 | Studies in Other Religious Traditions                      | 220407  | Studies in Religious Traditions (excl. Eastern, Jewish, Christian and Islamic Traditions) |
| 440207 | Religion and Society                                       | 220405  | Religion and Society  |
| 440208 | Psychology of Religion                                     | 170111  | Psychology of Religion  |
| 440209 | Philosophy of Religion                                     | 220315  | Philosophy of Religion  |
| 440299 | Religion and Religious Traditions not elsewhere classified | 220402  | Comparative Religious Studies   |
|        |  | 220406p | Studies in Eastern Religious Traditions   |
|        |  | 220499  | Religion and Religious Studies not elsewhere classified                                   |

**449900 OTHER PHILOSOPHY AND RELIGION**

- |        |                               |         |   |
|--------|-------------------------------|---------|---|
| 449999 | Other Philosophy and Religion | 220207p | History and Philosophy of the Humanities                  |
|        |                               | 220208p | History and Philosophy of the Social Sciences             |
|        |                               | 229999  | Philosophy and Religious Studies not elsewhere classified |

**01 MATHEMATICAL SCIENCES**

**0101 PURE MATHEMATICS**

010101	Algebra and Number Theory	230102	Number Theory and Field Theory
		230103	Rings and Algebras
010102	Algebraic and Differential Geometry	230111p	Geometry
010103	Category Theory, K Theory, Homological Algebra	230104	Category Theory, K Theory, Homological Algebra
010104	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)	230101p	Mathematical Logic, Set Theory, Lattices and Combinatorics
		230199p	Mathematics not elsewhere classified
		280405p	Discrete Mathematics
010105	Group Theory and Generalisations	230105p	Group Theory and Generalisations (incl. Topological Groups and Lie Groups)
010106	Lie Groups, Harmonic and Fourier Analysis	230105p	Group Theory and Generalisations (incl. Topological Groups and Lie Groups)
		230108	Harmonic and Fourier Analysis
010107	Mathematical Logic, Set Theory, Lattices and Universal Algebra	230101p	Mathematical Logic, Set Theory, Lattices and Combinatorics
010108	Operator Algebras and Functional Analysis	230199p	Mathematics not elsewhere classified
		230109	Functional Analysis
010109	Ordinary Differential Equations, Difference Equations and Dynamical Systems	230199p	Mathematics not elsewhere classified
		230107p	Differential, Difference and Integral Equations
010110	Partial Differential Equations	230113	Dynamical Systems
010111	Real and Complex Functions (incl. Several Variables)	230107p	Differential, Difference and Integral Equations
		230106	Real and Complex Functions
010112	Topology	230114	Functions of Several Complex Variables
010199	Pure Mathematics not elsewhere classified	230112p	Topology and Manifolds
		230107p	Differential, Difference and Integral Equations
		230111p	Geometry
		230112p	Topology and Manifolds
		230199p	Mathematics not elsewhere classified

**0102 APPLIED MATHEMATICS**

010201	Approximation Theory and Asymptotic Methods	230115	Approximation Theory
		230199p	Mathematics not elsewhere classified
010202	Biological Mathematics	239901	Biological Mathematics
010203	Calculus of Variations, Systems Theory and Control Theory	230110	Calculus of Variations and Control Theory
		230119	Systems Theory and Control
010204	Dynamical Systems in Applications	230199p	Mathematics not elsewhere classified
010205	Financial Mathematics	239902	Actuarial Mathematics
		239903	Risk theory
010206	Operations Research	230117	Operations Research
010207	Theoretical and Applied Mechanics	230199p	Mathematics not elsewhere classified
010299	Applied Mathematics not elsewhere classified	230199p	Mathematics not elsewhere classified

**0103 NUMERICAL AND COMPUTATIONAL MATHEMATICS**

010301	Numerical Analysis	230116	Numerical Analysis
		280404p	Numerical Analysis
010302	Numerical Solution of Differential and Integral Equations	230199p	Mathematics not elsewhere classified
010303	Optimisation	230118	Optimisation
010399	Numerical and Computational Mathematics not elsewhere classified	230199p	Mathematics not elsewhere classified

**0104 STATISTICS**

010401	Applied Statistics	230204	Applied Statistics
010402	Biostatistics	230299p	Statistics not elsewhere classified
010403	Forensic Statistics	230299p	Statistics not elsewhere classified
010404	Probability Theory	230201	Probability Theory
010405	Statistical Theory	230203	Statistical Theory
010406	Stochastic Analysis and Modelling	230202	Stochastic Analysis and Modelling
010499	Statistics not elsewhere classified	230299p	Statistics not elsewhere classified

**0105 MATHEMATICAL PHYSICS**

010501	Algebraic Structures in Mathematical Physics	230199p Mathematics not elsewhere classified 239999p Mathematical Sciences not elsewhere classified 240201p Theoretical Physics 249999p Physical Sciences not elsewhere classified
010502	Integrable Systems (Classical and Quantum)	230107p Differential, Difference and Integral Equations 230199p Mathematics not elsewhere classified 239999p Mathematical Sciences not elsewhere classified 240201p Theoretical Physics 240501p Acoustics and Acoustical Devices; Waves 240502p Fluid Physics 240503p Thermodynamics and Statistical Physics 240504p Electrostatics and Electrodynamics 240599p Classical Physics not elsewhere classified 249999p Physical Sciences not elsewhere classified 230199p Mathematics not elsewhere classified
010503	Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory	239999p Mathematical Sciences not elsewhere classified 240201p Theoretical Physics 240501p Acoustics and Acoustical Devices; Waves 240502p Fluid Physics 240504p Electrostatics and Electrodynamics 240599p Classical Physics not elsewhere classified 249999p Physical Sciences not elsewhere classified
010504	Mathematical Aspects of General Relativity	230199p Mathematics not elsewhere classified 239999p Mathematical Sciences not elsewhere classified 240101p Astronomy and Astrophysics 240199p Astronomical Sciences not elsewhere classified 240201p Theoretical Physics 249999p Physical Sciences not elsewhere classified
010505	Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory	230199p Mathematics not elsewhere classified
010506	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter	239999p Mathematical Sciences not elsewhere classified 240101p Astronomy and Astrophysics 240199p Astronomical Sciences not elsewhere classified 240201p Theoretical Physics 249999p Physical Sciences not elsewhere classified 230101p Mathematical Logic, Set Theory, Lattices and Combinatorics
010599	Mathematical Physics not elsewhere classified	230199p Mathematics not elsewhere classified 239999p Mathematical Sciences not elsewhere classified 240201p Theoretical Physics 240202p Condensed Matter Physics - Structural Properties 240203p Condensed Matter Physics - Electronic and Magnetic Properties; Superconductivity 240204p Condensed Matter Physics - Other 240503p Thermodynamics and Statistical Physics 249999p Physical Sciences not elsewhere classified 250602p Statistical Mechanics 230199p Mathematics not elsewhere classified 239999p Mathematical Sciences not elsewhere classified 240201p Theoretical Physics 249999p Physical Sciences not elsewhere classified

**0199 OTHER MATHEMATICAL SCIENCES**

019999	Mathematical Sciences not elsewhere classified	230107p Differential, Difference and Integral Equations 239904 Theory of Graduation 239999p Mathematical Sciences not elsewhere classified
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**02 PHYSICAL SCIENCES**

**0201 ASTRONOMICAL AND SPACE SCIENCES**

020101	Astrobiology	240101p Astronomy and Astrophysics
020102	Astronomical and Space Instrumentation	240101p Astronomy and Astrophysics
020103	Cosmology and Extragalactic Astronomy	240101p Astronomy and Astrophysics
020104	Galactic Astronomy	240101p Astronomy and Astrophysics
020105	General Relativity and Gravitational Waves	240101p Astronomy and Astrophysics
020106	High Energy Astrophysics; Cosmic Rays	240101p Astronomy and Astrophysics 240102 Cosmic Ray Physics

**02 PHYSICAL SCIENCES** *continued*

020107	Mesospheric, Ionospheric and Magnetospheric Physics	240101p	Astronomy and Astrophysics
		260603	Ionospheric and Magnetospheric Physics
020108	Planetary Science (excl. Extraterrestrial Geology)	240101p	Astronomy and Astrophysics
020109	Space and Solar Physics	240101p	Astronomy and Astrophysics
020110	Stellar Astronomy and Planetary Systems	240101p	Astronomy and Astrophysics
020199	Astronomical and Space Sciences not elsewhere classified	240199p	Astronomical Sciences not elsewhere classified
		240201p	Theoretical Physics

**0202 ATOMIC, MOLECULAR, NUCLEAR, PARTICLE AND PLASMA PHYSICS**

020201	Atomic and Molecular Physics	240301	Atomic and Molecular Physics
020202	Nuclear Physics	240302p	Nuclear and Particle Physics
020203	Particle Physics	240302p	Nuclear and Particle Physics
020204	Plasma Physics; Fusion Plasmas; Electrical Discharges	240303	Plasmas and Electrical Discharges
		240304p	Other Plasma Physics
020299	Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified	240201p	Theoretical Physics
		240304p	Other Plasma Physics

**0203 CLASSICAL PHYSICS**

020301	Acoustics and Acoustical Devices; Waves	240501	Acoustics and Acoustical Devices; Waves
020302	Electrostatics and Electrodynamics	240504	Electrostatics and Electrodynamics
020303	Fluid Physics	240502	Fluid Physics
020304	Thermodynamics and Statistical Physics	240503	Thermodynamics and Statistical Physics
020399	Classical Physics not elsewhere classified	240201p	Theoretical Physics
		240599p	Classical Physics not elsewhere classified

**0204 CONDENSED MATTER PHYSICS**

020401	Condensed Matter Characterisation Technique Development	240204p	Condensed Matter Physics - Other
020402	Condensed Matter Imaging	240204p	Condensed Matter Physics - Other
020403	Condensed Matter Modelling and Density Functional Theory	240204p	Condensed Matter Physics - Other
020404	Electronic and Magnetic Properties of Condensed Matter; Superconductivity	240203p	Condensed Matter Physics - Electronic and Magnetic Properties; Superconductivity
020405	Soft Condensed Matter	240204p	Condensed Matter Physics - Other
020406	Surfaces and Structural Properties of Condensed Matter	240202p	Condensed Matter Physics - Structural Properties
020499	Condensed Matter Physics not elsewhere classified	240201p	Theoretical Physics
		240204p	Condensed Matter Physics - Other

**0205 OPTICAL PHYSICS**

020501	Classical and Physical Optics	240401p	Optics and Opto-electronic Physics
		240499p	Optical Physics not elsewhere classified
020502	Lasers and Quantum Electronics	240402p	Quantum Optics and Lasers
		240499p	Optical Physics not elsewhere classified
020503	Nonlinear Optics and Spectroscopy	240401p	Optics and Opto-electronic Physics
		240499p	Optical Physics not elsewhere classified
020504	Photonics, Optoelectronics and Optical Communications	240401p	Optics and Opto-electronic Physics
		240499p	Optical Physics not elsewhere classified
020599	Optical Physics not elsewhere classified	240201p	Theoretical Physics
		240499p	Optical Physics not elsewhere classified

**0206 QUANTUM PHYSICS**

020601	Degenerate Quantum Gases and Atom Optics	240201p	Theoretical Physics
		240499p	Optical Physics not elsewhere classified
		249999p	Physical Sciences not elsewhere classified
020602	Field Theory and String Theory	240199p	Astronomical Sciences not elsewhere classified
		240201p	Theoretical Physics
020603	Quantum Information, Computation and Communication	240201p	Theoretical Physics
		240402p	Quantum Optics and Lasers
		249999p	Physical Sciences not elsewhere classified
020604	Quantum Optics	240402p	Quantum Optics and Lasers
020699	Quantum Physics not elsewhere classified	240201p	Theoretical Physics
		249999p	Physical Sciences not elsewhere classified

**0299 OTHER PHYSICAL SCIENCES**

029901	Biological Physics	249901	Biophysics
029902	Complex Physical Systems	249999p	Physical Sciences not elsewhere classified
029903	Medical Physics	249902	Medical Physics
029904	Synchrotrons; Accelerators; Instruments and Techniques	249903	Instruments and Techniques
029999	Physical Sciences not elsewhere classified	240201p	Theoretical Physics
		249999p	Physical Sciences not elsewhere classified

**03 CHEMICAL SCIENCES**

**0301 ANALYTICAL CHEMISTRY**

030101	Analytical Spectrometry	250402	Analytical Spectrometry
030102	Electroanalytical Chemistry	250403	Electroanalytical Chemistry
030103	Flow Analysis	250404	Flow Analysis
030104	Immunological and Bioassay Methods	250406	Immunological and Bioassay Methods
030105	Instrumental Methods (excl. Immunological and Bioassay Methods)	250407	Other Instrumental Methods
030106	Quality Assurance, Chemometrics, Traceability and Metrological Chemistry	250408	Chemometrics
		250409	Quality Assurance, Traceability and Metrological Chemistry
030107	Sensor Technology (Chemical aspects)	250405p	Sensor (Chemical and Bio-) Technology
030108	Separation Science	250401	Separation Science
030199	Analytical Chemistry not elsewhere classified	250499	Analytical Chemistry not elsewhere classified

**0302 INORGANIC CHEMISTRY**

030201	Bioinorganic Chemistry	250204	Bioinorganic Chemistry
030202	f-Block Chemistry	250206	f-Block Chemistry
030203	Inorganic Green Chemistry	250299p	Inorganic Chemistry not elsewhere classified
030204	Main Group Metal Chemistry	250202	Main Group Metal Chemistry
030205	Non-metal Chemistry	250205	Non-Metal Chemistry
030206	Solid State Chemistry	250203	Solid State Chemistry
030207	Transition Metal Chemistry	250201	Transition Metal Chemistry
030299	Inorganic Chemistry not elsewhere classified	250299p	Inorganic Chemistry not elsewhere classified

**0303 MACROMOLECULAR AND MATERIALS CHEMISTRY**

030301	Chemical Characterisation of Materials	250503	Characterisation of Macromolecules
		259999p	Chemical Sciences not elsewhere classified
030302	Nanochemistry and Supramolecular Chemistry	259904	Supramolecular Chemistry
		259999p	Chemical Sciences not elsewhere classified
030303	Optical Properties of Materials	250599p	Macromolecular Chemistry not elsewhere classified
		259999p	Chemical Sciences not elsewhere classified
030304	Physical Chemistry of Materials	250502	Physical Chemistry of Macromolecules
		259999p	Chemical Sciences not elsewhere classified
030305	Polymerisation Mechanisms	250504	Polymerisation Mechanisms
030306	Synthesis of Materials	250501	Synthesis of Macromolecules
		259999p	Chemical Sciences not elsewhere classified
030307	Theory and Design of Materials	250605	Theory of Materials
		250606	Macromolecular Design
030399	Macromolecular and Materials Chemistry not elsewhere classified	250599p	Macromolecular Chemistry not elsewhere classified
		259999p	Chemical Sciences not elsewhere classified

**0304 MEDICINAL AND BIOMOLECULAR CHEMISTRY**

030401	Biologically Active Molecules	250302p	Biological and Medical Chemistry
030402	Biomolecular Modelling and Design	250302p	Biological and Medical Chemistry
030403	Characterisation of Biological Macromolecules	250302p	Biological and Medical Chemistry
030404	Cheminformatics and Quantitative Structure-Activity Relationships	250302p	Biological and Medical Chemistry
030405	Molecular Medicine	250302p	Biological and Medical Chemistry
030406	Proteins and Peptides	250302p	Biological and Medical Chemistry
030499	Medicinal and Biomolecular Chemistry not elsewhere classified	250302p	Biological and Medical Chemistry

**0305 ORGANIC CHEMISTRY**

030501	Free Radical Chemistry	250399p	Organic Chemistry not elsewhere classified
030502	Natural Products Chemistry	250399p	Organic Chemistry not elsewhere classified
030503	Organic Chemical Synthesis	250301	Organic Chemical Synthesis
030504	Organic Green Chemistry	250399p	Organic Chemistry not elsewhere classified
030505	Physical Organic Chemistry	250303	Physical Organic Chemistry
030599	Organic Chemistry not elsewhere classified	250399p	Organic Chemistry not elsewhere classified

**0306 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)**

030601	Catalysis and Mechanisms of Reactions	250102	Chemistry of Catalysis
		250106	Mechanisms of Reactions
030602	Chemical Thermodynamics and Energetics	250101	Chemical Thermodynamics and Energetics
030603	Colloid and Surface Chemistry	250103	Colloid and Surface Chemistry
030604	Electrochemistry	250107	Electrochemistry
030605	Solution Chemistry	250199p	Physical Chemistry not elsewhere classified
030606	Structural Chemistry and Spectroscopy	250104	Chemical Spectroscopy
		250105	Structural Chemistry
030607	Transport Properties and Non-Equilibrium Processes	250199p	Physical Chemistry not elsewhere classified
030699	Physical Chemistry not elsewhere classified	250199p	Physical Chemistry not elsewhere classified

**0307 THEORETICAL AND COMPUTATIONAL CHEMISTRY**

030701	Quantum Chemistry	250601	Quantum Chemistry
030702	Radiation and Matter	250604	Radiation and Matter
030703	Reaction Kinetics and Dynamics	250603	Reaction Kinetics and Dynamics
030704	Statistical Mechanics in Chemistry	250602p	Statistical Mechanics
030799	Theoretical and Computational Chemistry not elsewhere classified	250699	Theoretical and Computational Chemistry not elsewhere classified

**0399 OTHER CHEMICAL SCIENCES**

039901	Environmental Chemistry (incl. Atmospheric Chemistry)	259902	Environmental Chemistry (incl. Atmospheric Chemistry)
039902	Forensic Chemistry	259999p	Chemical Sciences not elsewhere classified
039903	Industrial Chemistry	259903	Industrial Chemistry
039904	Organometallic Chemistry	259901	Organometallic Chemistry
039999	Chemical Sciences not elsewhere classified	259999p	Chemical Sciences not elsewhere classified

**04 EARTH SCIENCES**

**0401 ATMOSPHERIC SCIENCES**

040101	Atmospheric Aerosols	260699p	Atmospheric Sciences not elsewhere classified
040102	Atmospheric Dynamics	260699p	Atmospheric Sciences not elsewhere classified
040103	Atmospheric Radiation	260699p	Atmospheric Sciences not elsewhere classified
040104	Climate Change Processes	260602p	Climatology (incl. Palaeoclimatology)
040105	Climatology (excl. Climate Change Processes)	260602p	Climatology (incl. Palaeoclimatology)
040106	Cloud Physics	260699p	Atmospheric Sciences not elsewhere classified
040107	Meteorology	260601	Meteorology
040108	Tropospheric and Stratospheric Physics	260699p	Atmospheric Sciences not elsewhere classified
040199	Atmospheric Sciences not elsewhere classified	260699p	Atmospheric Sciences not elsewhere classified

**0402 GEOCHEMISTRY**

040201	Exploration Geochemistry	260302	Exploration Geochemistry
040202	Inorganic Geochemistry	260304	Inorganic Geochemistry not elsewhere classified
040203	Isotope Geochemistry	260301p	Geochronology and Isotope Geochemistry
040204	Organic Geochemistry	260303	Organic Geochemistry not elsewhere classified
040299	Geochemistry not elsewhere classified	260301p	Geochronology and Isotope Geochemistry
		260399	Geochemistry not elsewhere classified

**0403 GEOLOGY**

040301	Basin Analysis	260199p	Geology not elsewhere classified
040302	Extraterrestrial Geology	260199p	Geology not elsewhere classified
040303	Geochronology	260109	Geochronology
040304	Igneous and Metamorphic Petrology	260102	Igneous and Metamorphic Petrology
040305	Marine Geoscience	260199p	Geology not elsewhere classified
040306	Mineralogy and Crystallography	260101	Mineralogy and Crystallography
040307	Ore Deposit Petrology	260106	Ore Deposit Petrology
040308	Palaeontology (incl. Palynology)	260112	Palaeontology
		260113	Palynology
040309	Petroleum and Coal Geology	260105	Petroleum Geology
040310	Sedimentology	260104	Sedimentology



**04 EARTH SCIENCES** *continued*

040311	Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)	260110	Biostratigraphy
		260111	Other Stratigraphy (incl. Sequence Stratigraphy)
040312	Structural Geology	260107	Structural Geology
040313	Tectonics	260108	Geotectonics
040314	Volcanology	260103	Volcanology
040399	Geology not elsewhere classified	260199p	Geology not elsewhere classified

**0404 GEOPHYSICS**

040401	Electrical and Electromagnetic Methods in Geophysics	260203	Electromagnetism
040402	Geodynamics	260299p	Geophysics not elsewhere classified
040403	Geophysical Fluid Dynamics	260299p	Geophysics not elsewhere classified
040404	Geothermics and Radiometrics	260207	Radiometrics
040405	Gravimetrics	260201	Gravity
040406	Magnetism and Palaeomagnetism	260202	Geomagnetism
040407	Seismology and Seismic Exploration	260205	Explosion Seismology
		260206	Earthquake Seismology
040499	Geophysics not elsewhere classified	260204	Petrophysics
		260299p	Geophysics not elsewhere classified

**0405 OCEANOGRAPHY**

040501	Biological Oceanography	260401	Biological Oceanography
040502	Chemical Oceanography	260402	Chemical Oceanography
040503	Physical Oceanography	260403	Physical Oceanography
040599	Oceanography not elsewhere classified	260499	Oceanography not elsewhere classified

**0406 PHYSICAL GEOGRAPHY AND ENVIRONMENTAL GEOSCIENCE**

040601	Geomorphology and Regolith and Landscape Evolution	260114	Geomorphology
		269999p	Earth Sciences not elsewhere classified
040602	Glaciology	260115	Glaciology
040603	Hydrogeology	260501	Groundwater Hydrology
040604	Natural Hazards	269901p	Physical Geography
040605	Palaeoclimatology	260602p	Climatology (incl. Palaeoclimatology)
040606	Quaternary Environments	269901p	Physical Geography
040607	Surface Processes	269901p	Physical Geography
040608	Surfacewater Hydrology	260502	Surfacewater Hydrology
040699	Physical Geography and Environmental Geoscience not elsewhere classified	260599	Hydrology not elsewhere classified
		269901p	Physical Geography

**0499 OTHER EARTH SCIENCES**

049999	Earth Sciences not elsewhere classified	269999p	Earth Sciences not elsewhere classified
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**05 ENVIRONMENTAL SCIENCES**

**0501 ECOLOGICAL APPLICATIONS**

050101	Ecological Impacts of Climate Change	270799p	Ecology and Evolution not elsewhere classified
050102	Ecosystem Function	270799p	Ecology and Evolution not elsewhere classified
050103	Invasive Species Ecology	270799p	Ecology and Evolution not elsewhere classified
050104	Landscape Ecology	270704	Landscape Ecology
050199	Ecological Applications not elsewhere classified	270799p	Ecology and Evolution not elsewhere classified

**0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT**

050201	Aboriginal and Torres Strait Islander Environmental Knowledge	300899p	Environmental Sciences not elsewhere classified
050202	Conservation and Biodiversity	270708	Conservation and Biodiversity
		300805	Conservation
050203	Environmental Education and Extension	309902	Education and Extension
050204	Environmental Impact Assessment	300804	Environmental Impact Assessment
050205	Environmental Management	300801p	Environmental Management and Rehabilitation
		300902p	Land and Parks Management
050206	Environmental Monitoring	300899p	Environmental Sciences not elsewhere classified
050207	Environmental Rehabilitation (excl. Bioremediation)	300801p	Environmental Management and Rehabilitation
050208	Māori Environmental Knowledge	300899p	Environmental Sciences not elsewhere classified
050209	Natural Resource Management	300803	Natural Resource Management
050210	Pacific Peoples Environmental Knowledge	300899p	Environmental Sciences not elsewhere classified
050211	Wildlife and Habitat Management	300802	Wildlife and Habitat Management

**05 ENVIRONMENTAL SCIENCES** *continued*

050299 Environmental Science and Management not elsewhere classified 300899p Environmental Sciences not elsewhere classified

**0503 SOIL SCIENCES**

050301 Carbon Sequestration Science 300199p Soil and Water Sciences not elsewhere classified  
 050302 Land Capability and Soil Degradation 300104 Land Capability and Soil Degradation  
 050303 Soil Biology 300102 Soil Biology  
 050304 Soil Chemistry (excl. Carbon Sequestration Science) 300103 Soil Chemistry  
 050305 Soil Physics 300101 Soil Physics  
 050399 Soil Sciences not elsewhere classified 300199p Soil and Water Sciences not elsewhere classified

**0599 OTHER ENVIRONMENTAL SCIENCES**

059999 Environmental Sciences not elsewhere classified 300899p Environmental Sciences not elsewhere classified  
 309999p Agricultural, Veterinary and Environmental Sciences not elsewhere classified

**06 BIOLOGICAL SCIENCES**

**0601 BIOCHEMISTRY AND CELL BIOLOGY**

060101 Analytical Biochemistry 270101 Analytical Biochemistry  
 060102 Bioinformatics 270199p Biochemistry and Cell Biology not elsewhere classified  
 060103 Cell Development, Proliferation and Death 270106 Cell Development (incl. Cell Division and Apoptosis)  
 060104 Cell Metabolism 270102 Cell Metabolism  
 060105 Cell Neurochemistry 270107 Cell Neurochemistry  
 060106 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall) 270105 Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)  
 060107 Enzymes 270108 Enzymes  
 060108 Protein Trafficking 270103p Protein Targeting and Signal Transduction  
 060109 Proteomics and Intermolecular Interactions (excl. Medical Proteomics) 270199p Biochemistry and Cell Biology not elsewhere classified  
 060110 Receptors and Membrane Biology 270104 Membrane Biology  
 270199p Biochemistry and Cell Biology not elsewhere classified  
 060111 Signal Transduction 270103p Protein Targeting and Signal Transduction  
 060112 Structural Biology (incl. Macromolecular Modelling) 270199p Biochemistry and Cell Biology not elsewhere classified  
 060113 Synthetic Biology 270199p Biochemistry and Cell Biology not elsewhere classified  
 060114 Systems Biology 270199p Biochemistry and Cell Biology not elsewhere classified  
 060199 Biochemistry and Cell Biology not elsewhere classified 270199p Biochemistry and Cell Biology not elsewhere classified

**0602 ECOLOGY**

060201 Behavioural Ecology 270707p Sociobiology and Behavioural Ecology  
 060202 Community Ecology (excl. Invasive Species Ecology) 270799p Ecology and Evolution not elsewhere classified  
 060203 Ecological Physiology 270799p Ecology and Evolution not elsewhere classified  
 060204 Freshwater Ecology 270701 Freshwater Ecology  
 060205 Marine and Estuarine Ecology (incl. Marine Ichthyology) 270702 Marine and Estuarine Ecology (incl. Marine Ichthyology)  
 060206 Palaeoecology 270705 Palaeoecology  
 060207 Population Ecology 270706p Life Histories (incl. Population Ecology)  
 060208 Terrestrial Ecology 270703 Terrestrial Ecology  
 060299 Ecology not elsewhere classified 270799p Ecology and Evolution not elsewhere classified

**0603 EVOLUTIONARY BIOLOGY**

060301 Animal Systematics and Taxonomy 270501p Animal Systematics, Taxonomy and Phylogeny  
 060302 Biogeography and Phylogeography 270709 Biogeography  
 270799p Ecology and Evolution not elsewhere classified  
 060303 Biological Adaptation 270799p Ecology and Evolution not elsewhere classified  
 060304 Ethology and Sociobiology 270707p Sociobiology and Behavioural Ecology  
 270799p Ecology and Evolution not elsewhere classified  
 060305 Evolution of Developmental Systems 270799p Ecology and Evolution not elsewhere classified  
 060306 Evolutionary Impacts of Climate Change 270799p Ecology and Evolution not elsewhere classified  
 060307 Host-Parasite Interactions 270799p Ecology and Evolution not elsewhere classified  
 060308 Life Histories 270706p Life Histories (incl. Population Ecology)  
 060309 Phylogeny and Comparative Analysis 270308p Microbial Systematics, Taxonomy and Phylogeny  
 270401p Plant Systematics, Taxonomy and Phylogeny  
 270501p Animal Systematics, Taxonomy and Phylogeny  
 270799p Ecology and Evolution not elsewhere classified  
 060310 Plant Systematics and Taxonomy 270401p Plant Systematics, Taxonomy and Phylogeny  
 060311 Speciation and Extinction 270799p Ecology and Evolution not elsewhere classified  
 060399 Evolutionary Biology not elsewhere classified 270308p Microbial Systematics, Taxonomy and Phylogeny  
 270799p Ecology and Evolution not elsewhere classified

**0604 GENETICS**

060401	Anthropological Genetics	270204	Anthropological Genetics
060402	Cell and Nuclear Division	270209	Meiosis and Recombination
060403	Developmental Genetics (incl. Sex Determination)	270205	Genetic Development (incl. Sex Determination)
060404	Epigenetics (incl. Genome Methylation and Epigenomics)	270299p	Genetics not elsewhere classified
060405	Gene Expression (incl. Microarray and other genome-wide approaches)	270201	Gene Expression
		270299p	Genetics not elsewhere classified
060406	Genetic Immunology	270206	Genetic Immunology
060407	Genome Structure and Regulation	270202	Genome Structure
		270299p	Genetics not elsewhere classified
060408	Genomics	270299p	Genetics not elsewhere classified
060409	Molecular Evolution	270208	Molecular Evolution
060410	Neurogenetics	270210	Neurogenetics
060411	Population, Ecological and Evolutionary Genetics	270203	Population and Ecological Genetics
		270299p	Genetics not elsewhere classified
060412	Quantitative Genetics (incl. Disease and Trait Mapping Genetics)	270207	Quantitative Genetics
060499	Genetics not elsewhere classified	270299p	Genetics not elsewhere classified

**0605 MICROBIOLOGY**

060501	Bacteriology	270301	Bacteriology
060502	Infectious Agents	270304	Infectious Agents
060503	Microbial Genetics	270306	Microbial Genetics
060504	Microbial Ecology	270307	Microbial Ecology
060505	Mycology	270305	Mycology
060506	Virology	270303	Virology
060599	Microbiology not elsewhere classified	270302	Archaeobacteriology
		270399	Microbiology not elsewhere classified

**0606 PHYSIOLOGY**

060601	Animal Physiology - Biophysics	270601	Animal Physiology - Biophysics
060602	Animal Physiology - Cell	270602	Animal Physiology - Cell
060603	Animal Physiology - Systems	270603	Animal Physiology - Systems
060604	Comparative Physiology	270604	Comparative Physiology
060699	Physiology not elsewhere classified	270699	Physiology not elsewhere classified

**0607 PLANT BIOLOGY**

060701	Phycology (incl. Marine Grasses)	270404	Phycology
060702	Plant Cell and Molecular Biology	270499p	Botany not elsewhere classified
060703	Plant Developmental and Reproductive Biology	270499p	Botany not elsewhere classified
060704	Plant Pathology	270403	Plant Pathology
060705	Plant Physiology	270402	Plant Physiology
060799	Plant Biology not elsewhere classified	270499p	Botany not elsewhere classified

**0608 ZOOLOGY**

060801	Animal Behaviour	270599p	Zoology not elsewhere classified
060802	Animal Cell and Molecular Biology	270599p	Zoology not elsewhere classified
060803	Animal Developmental and Reproductive Biology	270599p	Zoology not elsewhere classified
060804	Animal Immunology	270599p	Zoology not elsewhere classified
060805	Animal Neurobiology	270502	Neurobiology
060806	Animal Physiological Ecology	270599p	Zoology not elsewhere classified
060807	Animal Structure and Function	270503	Animal Anatomy and Histology
060808	Invertebrate Biology	270504	Invertebrate Biology
060809	Vertebrate Biology	270599p	Zoology not elsewhere classified
060899	Zoology not elsewhere classified	270599p	Zoology not elsewhere classified

**0699 OTHER BIOLOGICAL SCIENCES**

069901	Forensic Biology	279999p	Biological Sciences not elsewhere classified
069902	Global Change Biology	279901	Global Change Biology
069999	Biological Sciences not elsewhere classified	279999p	Biological Sciences not elsewhere classified

**07 AGRICULTURAL AND VETERINARY SCIENCES**

**0701 AGRICULTURE, LAND AND FARM MANAGEMENT**

070101	Agricultural Land Management	300902p	Land and Parks Management
070102	Agricultural Land Planning	300999p	Land, Parks and Agriculture Management not elsewhere classified
070103	Agricultural Production Systems Simulation	300999p	Land, Parks and Agriculture Management not elsewhere classified
070104	Agricultural Spatial Analysis and Modelling	300999p	Land, Parks and Agriculture Management not elsewhere classified
070105	Agricultural Systems Analysis and Modelling	300999p	Land, Parks and Agriculture Management not elsewhere classified
070106	Farm Management, Rural Management and Agribusiness	300901	Farm Management, Rural Management and Agribusiness
070107	Farming Systems Research	300999p	Land, Parks and Agriculture Management not elsewhere classified
070108	Sustainable Agricultural Development	300903	Sustainable Development
070199	Agriculture, Land and Farm Management not elsewhere classified	300999p	Land, Parks and Agriculture Management not elsewhere classified

**0702 ANIMAL PRODUCTION**

070201	Animal Breeding	300401	Animal Breeding
070202	Animal Growth and Development	300406	Animal Growth and Development
070203	Animal Management	300404	Animal Husbandry
070204	Animal Nutrition	300403	Animal Nutrition
070205	Animal Protection (Pests and Pathogens)	300405	Animal Protection (Pests and Pathogens)
070206	Animal Reproduction	300402	Animal Reproduction
070207	Humane Animal Treatment	300499p	Animal Production not elsewhere classified
070299	Animal Production not elsewhere classified	300499p	Animal Production not elsewhere classified

**0703 CROP AND PASTURE PRODUCTION**

070301	Agro-ecosystem Function and Prediction	300299p	Crop and Pasture Production not elsewhere classified
070302	Agronomy	300205	Agronomy
070303	Crop and Pasture Biochemistry and Physiology	300201	Plant Biochemistry and Physiology
070304	Crop and Pasture Biomass and Bioproducts	300299p	Crop and Pasture Production not elsewhere classified
070305	Crop and Pasture Improvement (Selection and Breeding)	300203p	Plant Improvement (Selection, Breeding and Genetic Engineering)
070306	Crop and Pasture Nutrition	300202	Plant Nutrition
070307	Crop and Pasture Post Harvest Technologies (incl. Transportation and Storage)	300206	Post Harvest Technologies (Transportation and Storage)
070308	Crop and Pasture Protection (Pests, Diseases and Weeds)	300204	Plant Protection (Pests, Diseases and Weeds)
070399	Crop and Pasture Production not elsewhere classified	300299p	Crop and Pasture Production not elsewhere classified

**0704 FISHERIES SCIENCES**

070401	Aquaculture	300703	Aquaculture
070402	Aquatic Ecosystem Studies and Stock Assessment	300704	Ecosystem Studies and Stock Assessment
070403	Fisheries Management	300705	Evaluation of Management Strategies
		300799p	Fisheries Sciences not elsewhere classified
070404	Fish Pests and Diseases	300702	Pests and Diseases
070405	Fish Physiology and Genetics	300701	Physiology and Genetics
070406	Post-Harvest Fisheries Technologies (incl. Transportation)	300799p	Fisheries Sciences not elsewhere classified
070499	Fisheries Sciences not elsewhere classified	300799p	Fisheries Sciences not elsewhere classified

**0705 FORESTRY SCIENCES**

070501	Agroforestry	300606	Agroforestry
070502	Forestry Biomass and Bioproducts	300699p	Forestry Sciences not elsewhere classified
070503	Forestry Fire Management	300605	Fire Management
070504	Forestry Management and Environment	300604	Management and Environment
070505	Forestry Pests, Health and Diseases	300603	Pests, Health and Diseases
070506	Forestry Product Quality Assessment	300699p	Forestry Sciences not elsewhere classified
070507	Tree Improvement (Selection and Breeding)	300602p	Tree Improvement (Selection, Breeding and Genetic Engineering)
070508	Tree Nutrition and Physiology	300601	Nutrition and Physiology
070509	Wood Fibre Processing	300699p	Forestry Sciences not elsewhere classified
070510	Wood Processing	300699p	Forestry Sciences not elsewhere classified
070599	Forestry Sciences not elsewhere classified	300699p	Forestry Sciences not elsewhere classified

**0706 HORTICULTURAL PRODUCTION**

070601	Horticultural Crop Growth and Development	300302	Plant Growth and Development
070602	Horticultural Crop Improvement (Selection and Breeding)	300301p	Plant Improvement (Selection, Breeding and Genetic Engineering)
070603	Horticultural Crop Protection (Pests, Diseases and Weeds)	300303	Plant Protection (Pests, Diseases and Weeds)
070604	Oenology and Viticulture	300305	Oenology and Viticulture
070605	Post Harvest Horticultural Technologies (incl. Transportation and Storage)	300304	Post Harvest Technologies
070699	Horticultural Production not elsewhere classified	300399	Horticulture not elsewhere classified

**0707 VETERINARY SCIENCES**

070701	Veterinary Anaesthesiology and Intensive Care	300502	Anaesthesiology and Intensive Care
070702	Veterinary Anatomy and Physiology	300505	Anatomy and Physiology
070703	Veterinary Diagnosis and Diagnostics	300599p	Veterinary Sciences not elsewhere classified
070704	Veterinary Epidemiology	300503	Epidemiology
070705	Veterinary Immunology	300504	Immunology
070706	Veterinary Medicine	300501	Veterinary Medicine
070707	Veterinary Microbiology (excl. Virology)	300507	Microbiology (excl. Virology)
070708	Veterinary Parasitology	300508	Parasitology
070709	Veterinary Pathology	300506	Pathology
070710	Veterinary Pharmacology	300512	Pharmacology
070711	Veterinary Surgery	300511	Surgery
070712	Veterinary Virology	300510	Virology
070799	Veterinary Sciences not elsewhere classified	300509	Radiology and Imaging
		300599p	Veterinary Sciences not elsewhere classified

**0799 OTHER AGRICULTURAL AND VETERINARY SCIENCES**

079901	Agricultural Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)	300105	Applied Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)
079902	Fertilisers and Agrochemicals (incl. Application)	309901	Fertilisers and Agrochemicals (Application etc.)
079999	Agricultural and Veterinary Sciences not elsewhere classified	309999p	Agricultural, Veterinary and Environmental Sciences not elsewhere classified

**08 INFORMATION AND COMPUTING SCIENCES**

**0801 ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING**

080101	Adaptive Agents and Intelligent Robotics	280209	Intelligent Robotics
		280213p	Other Artificial Intelligence
080102	Artificial Life	280213p	Other Artificial Intelligence
080103	Computer Graphics	280202	Computer Graphics
080104	Computer Vision	280208	Computer Vision
080105	Expert Systems	280201	Expert Systems
080106	Image Processing	280203	Image Processing
080107	Natural Language Processing	280205	Text Processing
		280206	Speech Recognition
080108	Neural, Evolutionary and Fuzzy Computation	280212	Neural Networks, Genetic Algorithms and Fuzzy Logic
080109	Pattern Recognition and Data Mining	280207	Pattern Recognition
		280213p	Other Artificial Intelligence
080110	Simulation and Modelling	280210	Simulation and Modelling
080111	Virtual Reality and Related Simulation	280211	Virtual Reality and Related Simulation
080199	Artificial Intelligence and Image Processing not elsewhere classified	280213p	Other Artificial Intelligence

**0802 COMPUTATION THEORY AND MATHEMATICS**

080201	Analysis of Algorithms and Complexity	280401	Analysis of Algorithms and Complexity
080202	Applied Discrete Mathematics	280405p	Discrete Mathematics
080203	Computational Logic and Formal Languages	280402	Mathematical Logic and Formal Languages
080204	Mathematical Software	280406	Mathematical Software
080205	Numerical Computation	280404p	Numerical Analysis
080299	Computation Theory and Mathematics not elsewhere classified	280403	Logics and Meanings of Programs
		280499	Computation Theory and Mathematics not elsewhere classified

**0803 COMPUTER SOFTWARE**

080301	Bioinformatics Software	280399p	Computer Software not elsewhere classified
080302	Computer System Architecture	280399p	Computer Software not elsewhere classified
080303	Computer System Security	280399p	Computer Software not elsewhere classified
080304	Concurrent Programming	280399p	Computer Software not elsewhere classified
080305	Multimedia Programming	280305	Multimedia Programming
080306	Open Software	280399p	Computer Software not elsewhere classified
080307	Operating Systems	280304	Operating Systems
080308	Programming Languages	280303	Programming Languages
080309	Software Engineering	280302	Software Engineering
080399	Computer Software not elsewhere classified	280301	Programming Techniques
		280399p	Computer Software not elsewhere classified

**0804 DATA FORMAT**

080401	Coding and Information Theory	280506	Coding and Information Theory
080402	Data Encryption	280504	Data Encryption
080403	Data Structures	280501	Data Structures
080404	Markup Languages	280599p	Data Format not elsewhere classified
080499	Data Format not elsewhere classified	280502	Data Storage Representations
		280503	Files
		280505	Data Security
		280599p	Data Format not elsewhere classified

**0805 DISTRIBUTED COMPUTING**

080501	Distributed and Grid Systems	289999p	Other Information, Computing and Communication Sciences
080502	Mobile Technologies	289999p	Other Information, Computing and Communication Sciences
080503	Networking and Communications	289999p	Other Information, Computing and Communication Sciences
080504	Ubiquitous Computing	289999p	Other Information, Computing and Communication Sciences
080505	Web Technologies (excl. Web Search)	289999p	Other Information, Computing and Communication Sciences
080599	Distributed Computing not elsewhere classified	289999p	Other Information, Computing and Communication Sciences

**0806 INFORMATION SYSTEMS**

080601	Aboriginal and Torres Strait Islander Information and Knowledge Systems	280199p	Information Systems not elsewhere classified
080602	Computer-Human Interaction	280104	Computer-Human Interaction
080603	Conceptual Modelling	280111	Conceptual Modelling
080604	Database Management	280108	Database Management
080605	Decision Support and Group Support Systems	280109	Decision Support and Group Support Systems
080606	Global Information Systems	280107	Global Information Systems
080607	Information Engineering and Theory	280199p	Information Systems not elsewhere classified
080608	Information Systems Development Methodologies	280112	Information Systems Development Methodologies
080609	Information Systems Management	280102	Information Systems Management
080610	Information Systems Organisation	280101	Information Systems Organisation
080611	Information Systems Theory	280110	Systems Theory
080612	Interorganisational Information Systems and Web Services	280106	Interorganisational Information Systems
		280199p	Information Systems not elsewhere classified
080613	Māori Information and Knowledge Systems	280199p	Information Systems not elsewhere classified
080614	Pacific Peoples Information and Knowledge Systems	280199p	Information Systems not elsewhere classified
080699	Information Systems not elsewhere classified	280105	Interfaces and Presentation (excl. Computer-Human Interaction)
		280199p	Information Systems not elsewhere classified

**0807 LIBRARY AND INFORMATION STUDIES**

080701	Aboriginal and Torres Strait Islander Knowledge Management	289999p	Other Information, Computing and Communication Sciences
080702	Health Informatics	289999p	Other Information, Computing and Communication Sciences
080703	Human Information Behaviour	289999p	Other Information, Computing and Communication Sciences
080704	Information Retrieval and Web Search	280103p	Information Storage, Retrieval and Management
080705	Infometrics	289999p	Other Information, Computing and Communication Sciences
080706	Librarianship	400201	Librarianship

**08 INFORMATION AND COMPUTING SCIENCES** *continued*

080707	Organisation of Information and Knowledge Resources	289999p	Other Information, Computing and Communication Sciences
080708	Records and Information Management (excl. Business Records and Information Management)	280103p	Information Storage, Retrieval and Management
080709	Social and Community Informatics	289999p	Other Information, Computing and Communication Sciences
080799	Library and Information Studies not elsewhere classified	289999p	Other Information, Computing and Communication Sciences

**0899 OTHER INFORMATION AND COMPUTING SCIENCES**

089999	Information and Computing Sciences not elsewhere classified	289999p	Other Information, Computing and Communication Sciences
		409999p	Other Journalism, Librarianship and Curatorial Studies

**09 ENGINEERING**

**0901 AEROSPACE ENGINEERING**

090101	Aerodynamics (excl. Hypersonic Aerodynamics)	290201p	Aerodynamics
090102	Aerospace Materials	290299p	Aerospace Engineering not elsewhere classified
090103	Aerospace Structures	290203	Aerospace Structures
090104	Aircraft Performance and Flight Control Systems	290204	Aircraft Performance
		290205	Flight Control Systems
090105	Avionics	290299p	Aerospace Engineering not elsewhere classified
090106	Flight Dynamics	290202	Flight Dynamics
090107	Hypersonic Propulsion and Hypersonic Aerodynamics	290201p	Aerodynamics
090108	Satellite, Space Vehicle and Missile Design and Testing	290207	Satellite, Space Vehicle and Missile Design
		290299p	Aerospace Engineering not elsewhere classified
090199	Aerospace Engineering not elsewhere classified	290206	Aerospace Electrical Systems
		290299p	Aerospace Engineering not elsewhere classified

**0902 AUTOMOTIVE ENGINEERING**

090201	Automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	299902p	Combustion and Fuel Engineering
090202	Automotive Engineering Materials	290401p	Automotive Engineering
090203	Automotive Mechatronics	290301p	Robotics and Mechatronics
		290401p	Automotive Engineering
090204	Automotive Safety Engineering	290401p	Automotive Engineering
090205	Hybrid Vehicles and Powertrains	290401p	Automotive Engineering
090299	Automotive Engineering not elsewhere classified	290401p	Automotive Engineering

**0903 BIOMEDICAL ENGINEERING**

090301	Biomaterials	291503	Biomaterials
090302	Biomechanical Engineering	291504	Biomechanical Engineering
090303	Biomedical Instrumentation	291501p	Clinical Engineering
090304	Medical Devices	291501p	Clinical Engineering
090305	Rehabilitation Engineering	291502	Rehabilitation Engineering
090399	Biomedical Engineering not elsewhere classified	291599	Biomedical Engineering not elsewhere classified

**0904 CHEMICAL ENGINEERING**

090401	Carbon Capture Engineering (excl. Sequestration)	290699p	Chemical Engineering not elsewhere classified
090402	Catalytic Process Engineering	290699p	Chemical Engineering not elsewhere classified
090403	Chemical Engineering Design	290601	Chemical Engineering Design
090404	Membrane and Separation Technologies	290603	Membrane and Separation Technologies
090405	Non-automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	299902p	Combustion and Fuel Engineering
090406	Powder and Particle Technology	290699p	Chemical Engineering not elsewhere classified
090407	Process Control and Simulation	290602	Process Control and Simulation
090408	Rheology	290699p	Chemical Engineering not elsewhere classified
090409	Wastewater Treatment Processes	290699p	Chemical Engineering not elsewhere classified
090410	Water Treatment Processes	290699p	Chemical Engineering not elsewhere classified
090499	Chemical Engineering not elsewhere classified	290699p	Chemical Engineering not elsewhere classified

**0905 CIVIL ENGINEERING**

090501	Civil Geotechnical Engineering	290805p	Geotechnical Engineering
090502	Construction Engineering	290804	Construction Engineering
090503	Construction Materials	290899p	Civil Engineering not elsewhere classified
090504	Earthquake Engineering	290899p	Civil Engineering not elsewhere classified
090505	Infrastructure Engineering and Asset Management	290899p	Civil Engineering not elsewhere classified
090506	Structural Engineering	290801	Structural Engineering
090507	Transport Engineering	290803	Transport Engineering
090508	Water Quality Engineering	290802p	Water and Sanitary Engineering
090509	Water Resources Engineering	290802p	Water and Sanitary Engineering
090599	Civil Engineering not elsewhere classified	290899p	Civil Engineering not elsewhere classified

**0906 ELECTRICAL AND ELECTRONIC ENGINEERING**

090601	Circuits and Systems	290902p	Integrated Circuits
		290903p	Other Electronic Engineering
090602	Control Systems, Robotics and Automation	290301p	Robotics and Mechatronics
		290901p	Electrical Engineering
090603	Industrial Electronics	290902p	Integrated Circuits
		290903p	Other Electronic Engineering
090604	Microelectronics and Integrated Circuits	290902p	Integrated Circuits
090605	Photodetectors, Optical Sensors and Solar Cells	290901p	Electrical Engineering
090606	Photonics and Electro-Optical Engineering (excl. Communications)	290901p	Electrical Engineering
090607	Power and Energy Systems Engineering (excl. Renewable Power)	290901p	Electrical Engineering
090608	Renewable Power and Energy Systems Engineering (excl. Solar Cells)	290901p	Electrical Engineering
090609	Signal Processing	280204	Signal Processing
090699	Electrical and Electronic Engineering not elsewhere classified	290903p	Other Electronic Engineering

**0907 ENVIRONMENTAL ENGINEERING**

090701	Environmental Engineering Design	291103	Environmental Engineering Design
090702	Environmental Engineering Modelling	291101	Environmental Engineering Modelling
090703	Environmental Technologies	291104	Environmental Technologies
090799	Environmental Engineering not elsewhere classified	291199	Environmental Engineering not elsewhere classified

**0908 FOOD SCIENCES**

090801	Food Chemistry and Molecular Gastronomy (excl. Wine)	290104p	Other Food Sciences
090802	Food Engineering	290102	Food Engineering
090803	Food Nutritional Balance	290104p	Other Food Sciences
090804	Food Packaging, Preservation and Safety	290104p	Other Food Sciences
090805	Food Processing	290103	Food Processing
090806	Wine Chemistry and Wine Sensory Science	290104p	Other Food Sciences
090899	Food Sciences not elsewhere classified	290104p	Other Food Sciences

**0909 GEOMATIC ENGINEERING**

090901	Cartography	291006	Cartography
090902	Geodesy	291001	Geodesy
090903	Geospatial Information Systems	291004	Spatial Information Systems
090904	Navigation and Position Fixing	291005	Navigation and Position Fixing
090905	Photogrammetry and Remote Sensing	291003	Photogrammetry and Remote Sensing
090906	Surveying (incl. Hydrographic Surveying)	291002	Surveying
		291099p	Geomatic Engineering not elsewhere classified
090999	Geomatic Engineering not elsewhere classified	291099p	Geomatic Engineering not elsewhere classified

**0910 MANUFACTURING ENGINEERING**

091001	CAD/CAM Systems	290303	CAD/CAM Systems
091002	Flexible Manufacturing Systems	290302	Flexible Manufacturing Systems
091003	Machine Tools	290399p	Manufacturing Engineering not elsewhere classified
091004	Machining	290399p	Manufacturing Engineering not elsewhere classified
091005	Manufacturing Management	290399p	Manufacturing Engineering not elsewhere classified
091006	Manufacturing Processes and Technologies (excl. Textiles)	290305	Welding Technology
		290307	Printing Technology
091007	Manufacturing Robotics and Mechatronics (excl. Automotive Mechatronics)	290301p	Robotics and Mechatronics
091008	Manufacturing Safety and Quality	290309	Safety and Quality
091009	Microtechnology	290399p	Manufacturing Engineering not elsewhere classified



**09 ENGINEERING** *continued*

091010	Packaging, Storage and Transportation (excl. Food and Agricultural Products)	290308	Packaging, Storage and Transportation
091011	Precision Engineering	290399p	Manufacturing Engineering not elsewhere classified
091012	Textile Technology	290306	Textile Technology
091099	Manufacturing Engineering not elsewhere classified	290399p	Manufacturing Engineering not elsewhere classified

**0911 MARITIME ENGINEERING**

091101	Marine Engineering	291204	Marine Engineering
091102	Naval Architecture	291201	Naval Architecture
091103	Ocean Engineering	291205	Ocean Engineering
091104	Ship and Platform Hydrodynamics	291202	Ship and Platform Hydrodynamics
091105	Ship and Platform Structures	291203	Ship and Platform Structures
091106	Special Vehicles	291206	Special Vehicles
091199	Maritime Engineering not elsewhere classified	291299	Maritime Engineering not elsewhere classified

**0912 MATERIALS ENGINEERING**

091201	Ceramics	291404	Ceramics
091202	Composite and Hybrid Materials	291402	Composite Materials
091203	Compound Semiconductors	291499p	Materials Engineering not elsewhere classified
091204	Elemental Semiconductors	291499p	Materials Engineering not elsewhere classified
091205	Functional Materials	291499p	Materials Engineering not elsewhere classified
091206	Glass	291499p	Materials Engineering not elsewhere classified
091207	Metals and Alloy Materials	291302	Physical Metallurgy
		291403	Alloy Materials
091208	Organic Semiconductors	291499p	Materials Engineering not elsewhere classified
091209	Polymers and Plastics	291401	Polymers
		291407	Plastics
091210	Timber, Pulp and Paper	291405	Timber
		291406	Pulp and Paper
091299	Materials Engineering not elsewhere classified	291499p	Materials Engineering not elsewhere classified

**0913 MECHANICAL ENGINEERING**

091301	Acoustics and Noise Control (excl. Architectural Acoustics)	290501p	Mechanical Engineering
091302	Automation and Control Engineering	290502p	Industrial Engineering
		290304	Control Engineering
		290501p	Mechanical Engineering
		290502p	Industrial Engineering
091303	Autonomous Vehicles	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091304	Dynamics, Vibration and Vibration Control	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091305	Energy Generation, Conversion and Storage Engineering	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091306	Microelectromechanical Systems (MEMS)	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091307	Numerical Modelling and Mechanical Characterisation	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091308	Solid Mechanics	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091309	Tribology	290501p	Mechanical Engineering
		290502p	Industrial Engineering
091399	Mechanical Engineering not elsewhere classified	290501p	Mechanical Engineering
		290502p	Industrial Engineering

**0914 RESOURCES ENGINEERING AND EXTRACTIVE METALLURGY**

091401	Electrometallurgy	291301p	Process Metallurgy
091402	Geomechanics and Resources Geotechnical Engineering	290704	Geomechanics
		290805p	Geotechnical Engineering
091403	Hydrometallurgy	291301p	Process Metallurgy
091404	Mineral Processing/Beneficiation	290702	Mineral Processing
091405	Mining Engineering	290701	Mining Engineering
091406	Petroleum and Reservoir Engineering	290703	Petroleum and Reservoir Engineering
091407	Pyrometallurgy	291301p	Process Metallurgy
091499	Resources Engineering and Extractive Metallurgy not elsewhere classified	290799	Resources Engineering not elsewhere classified

**0915 INTERDISCIPLINARY ENGINEERING**

091501	Computational Fluid Dynamics	291899p	Interdisciplinary Engineering not elsewhere classified
091502	Computational Heat Transfer	291899p	Interdisciplinary Engineering not elsewhere classified
091503	Engineering Practice	291899p	Interdisciplinary Engineering not elsewhere classified
091504	Fluidisation and Fluid Mechanics	291801	Fluidization and Fluid Mechanics
091505	Heat and Mass Transfer Operations	291802	Heat and Mass Transfer Operations
091506	Nuclear Engineering (incl. Fuel Enrichment and Waste Processing and Storage)	291899p	Interdisciplinary Engineering not elsewhere classified
091507	Risk Engineering (excl. Earthquake Engineering)	291899p	Interdisciplinary Engineering not elsewhere classified
091508	Turbulent Flows	291803	Turbulent Flows
091599	Interdisciplinary Engineering not elsewhere classified	291899p	Interdisciplinary Engineering not elsewhere classified

**0999 OTHER ENGINEERING**

099901	Agricultural Engineering	299901	Agricultural Engineering
099902	Engineering Instrumentation	299904p	Engineering/Technology Instrumentation
099999	Engineering not elsewhere classified	299999p	Engineering and Technology not elsewhere classified

**10 TECHNOLOGY**

**1001 AGRICULTURAL BIOTECHNOLOGY**

100101	Agricultural Biotechnology Diagnostics (incl. Biosensors)	250405p	Sensor (Chemical and Bio-) Technology
		270802p	Diagnostic Applications
		299903p	Biosensor Technologies
100102	Agricultural Marine Biotechnology	270899p	Biotechnology not elsewhere classified
100103	Agricultural Molecular Engineering of Nucleic Acids and Proteins	270804p	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
		270899p	Biotechnology not elsewhere classified
100104	Genetically Modified Animals	270805p	Genetic Engineering and Enzyme Technology
		270899p	Biotechnology not elsewhere classified
		300499p	Animal Production not elsewhere classified
100105	Genetically Modified Field Crops and Pasture	270805p	Genetic Engineering and Enzyme Technology
		300203p	Plant Improvement (Selection, Breeding and Genetic Engineering)
100106	Genetically Modified Horticulture Plants	270805p	Genetic Engineering and Enzyme Technology
		300301p	Plant Improvement (Selection, Breeding and Genetic Engineering)
100107	Genetically Modified Trees	270805p	Genetic Engineering and Enzyme Technology
		300602p	Tree Improvement (Selection, Breeding and Genetic Engineering)
100108	Livestock cloning	270899p	Biotechnology not elsewhere classified
		300499p	Animal Production not elsewhere classified
100109	Transgenesis	270803	Transgenesis
100199	Agricultural Biotechnology not elsewhere classified	270899p	Biotechnology not elsewhere classified

**1002 ENVIRONMENTAL BIOTECHNOLOGY**

100201	Biodiscovery	270899p	Biotechnology not elsewhere classified
100202	Biological Control	270899p	Biotechnology not elsewhere classified
100203	Bioremediation	291102	Bio-remediation
100204	Environmental Biotechnology Diagnostics (incl. Biosensors)	250405p	Sensor (Chemical and Bio-) Technology
		270802p	Diagnostic Applications
		299903p	Biosensor Technologies
100205	Environmental Marine Biotechnology	270899p	Biotechnology not elsewhere classified
100206	Environmental Molecular Engineering of Nucleic Acids and Proteins	270804p	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
		270899p	Biotechnology not elsewhere classified
100299	Environmental Biotechnology not elsewhere classified	270899p	Biotechnology not elsewhere classified

**1003 INDUSTRIAL BIOTECHNOLOGY**

100301	Biocatalysis and Enzyme Technology	270805p	Genetic Engineering and Enzyme Technology
		290105p	Other Industrial Biotechnology
100302	Bioprocessing, Bioproduction and Bioproducts	290101p	Fermentation, Biotechnology and Industrial Microbiology
		290105p	Other Industrial Biotechnology
100303	Fermentation	290101p	Fermentation, Biotechnology and Industrial Microbiology
100304	Industrial Biotechnology Diagnostics (incl. Biosensors)	250405p	Sensor (Chemical and Bio-) Technology
		270802p	Diagnostic Applications
		299903p	Biosensor Technologies
100305	Industrial Microbiology (incl. Biofeedstocks)	290101p	Fermentation, Biotechnology and Industrial Microbiology

**10 TECHNOLOGY** *continued*

100306	Industrial Molecular Engineering of Nucleic Acids and Proteins	270804p	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
		270899p	Biotechnology not elsewhere classified
		290105p	Other Industrial Biotechnology
100399	Industrial Biotechnology not elsewhere classified	290105p	Other Industrial Biotechnology

**1004 MEDICAL BIOTECHNOLOGY**

100401	Gene and Molecular Therapy	270801	Gene Therapy
		329902p	Medical Biotechnology
100402	Medical Biotechnology Diagnostics (incl. Biosensors)	250405p	Sensor (Chemical and Bio-) Technology
		270802p	Diagnostic Applications
		299903p	Biosensor Technologies
		329902p	Medical Biotechnology
100403	Medical Molecular Engineering of Nucleic Acids and Proteins	270804p	Genetic Technologies: Transformation, Site-directed Mutagenesis, etc.
		270899p	Biotechnology not elsewhere classified
		329902p	Medical Biotechnology
100404	Regenerative Medicine (incl. Stem Cells and Tissue Engineering)	270899p	Biotechnology not elsewhere classified
		329902p	Medical Biotechnology
100499	Medical Biotechnology not elsewhere classified	270899p	Biotechnology not elsewhere classified
		329902p	Medical Biotechnology

**1005 COMMUNICATIONS TECHNOLOGIES**

100501	Antennas and Propagation	291701	Antenna Technology
		291799p	Communications Technologies not elsewhere classified
100502	Broadband and Modem Technology	291706	Broadband Network Technology
		291707	Modem Technology
100503	Computer Communications Networks	291704	Computer Communications Networks
100504	Data Communications	291703p	Digital Systems
100505	Microwave and Millimetrewave Theory and Technology	291705	Microwave and Millimetrewave Technology
		291799p	Communications Technologies not elsewhere classified
100506	Optical Fibre Communications	291702p	Optical and Photonic Systems
100507	Optical Networks and Systems	291702p	Optical and Photonic Systems
100508	Satellite Communications	291709	Satellite Communications
100509	Video Communications	291703p	Digital Systems
100510	Wireless Communications	291703p	Digital Systems
100599	Communications Technologies not elsewhere classified	291708	Baseband Technology
		291710	Radio Communications and Broadcasting not elsewhere classified
		291799p	Communications Technologies not elsewhere classified

**1006 COMPUTER HARDWARE**

100601	Arithmetic and Logic Structures	291601	Arithmetic and Logic Structures
100602	Input, Output and Data Devices	291603	Input, Output and Data Devices
100603	Logic Design	291604	Logic Design
100604	Memory Structures	291602	Memory Structures
100605	Performance Evaluation; Testing and Simulation of Reliability	291699p	Computer Hardware not elsewhere classified
100606	Processor Architectures	291605	Processor Architectures
100699	Computer Hardware not elsewhere classified	291699p	Computer Hardware not elsewhere classified

**1007 NANOTECHNOLOGY**

100701	Environmental Nanotechnology	291804p	Nanotechnology
100702	Molecular and Organic Electronics	291804p	Nanotechnology
100703	Nanobiotechnology	291804p	Nanotechnology
100704	Nanoelectromechanical Systems	291804p	Nanotechnology
100705	Nanoelectronics	291804p	Nanotechnology
100706	Nanofabrication, Growth and Self Assembly	291804p	Nanotechnology
100707	Nanomanufacturing	291804p	Nanotechnology
100708	Nanomaterials	291804p	Nanotechnology
100709	Nanomedicine	291804p	Nanotechnology
100710	Nanometrology	291804p	Nanotechnology
100711	Nanophotonics	291804p	Nanotechnology
100712	Nanoscale Characterisation	291804p	Nanotechnology
100713	Nanotoxicology, Health and Safety	291804p	Nanotechnology
100799	Nanotechnology not elsewhere classified	291804p	Nanotechnology

**1099 OTHER TECHNOLOGY**

109999	Technology not elsewhere classified	299904p	Engineering/Technology Instrumentation
		299999p	Engineering and Technology not elsewhere classified

**11 MEDICAL AND HEALTH SCIENCES**

**1101 MEDICAL BIOCHEMISTRY AND METABOLOMICS**

110101	Medical Biochemistry: Amino Acids and Metabolites	320307p	Medical Biochemistry: Other
110102	Medical Biochemistry: Carbohydrates	320302	Medical Biochemistry: Carbohydrates
110103	Medical Biochemistry: Inorganic Elements and Compounds	320307p	Medical Biochemistry: Other
110104	Medical Biochemistry: Lipids	320303	Medical Biochemistry: Lipids
		320306	Medical Biochemistry: Phospholipids
110105	Medical Biochemistry: Nucleic Acids	320304	Medical Biochemistry: Nucleic Acids
110106	Medical Biochemistry: Proteins and Peptides (incl. Medical Proteomics)	320305	Medical Biochemistry: Proteins and Peptides
110107	Metabolic Medicine	320307p	Medical Biochemistry: Other
110199	Medical Biochemistry and Metabolomics not elsewhere classified	320307p	Medical Biochemistry: Other

**1102 CARDIORESPIRATORY MEDICINE AND HAEMATOLOGY**

110201	Cardiology (incl. Cardiovascular Diseases)	321003	Cardiology (incl. Cardiovascular Diseases)
110202	Haematology	321008	Haematology
110203	Respiratory Diseases	321027	Respiratory Diseases
110299	Cardiorespiratory Medicine and Haematology not elsewhere classified	321099p	Clinical Sciences not elsewhere classified

**1103 CLINICAL SCIENCES**

110301	Anaesthesiology	321001	Anaesthesiology
110302	Clinical Chemistry (diagnostics)	320301	Clinical Chemistry
110303	Clinical Microbiology	320499p	Medical Microbiology not elsewhere classified
		321099p	Clinical Sciences not elsewhere classified
110304	Dermatology	321002	Dermatology
110305	Emergency Medicine	321099p	Clinical Sciences not elsewhere classified
110306	Endocrinology	321004	Endocrinology
110307	Gastroenterology and Hepatology	321006	Gastroenterology and Hepatology
110308	Geriatrics and Gerontology	321007	Geriatrics and Gerontology
110309	Infectious Diseases	321010	Infectious Diseases
110310	Intensive Care	321009	Intensive Care
110311	Medical Genetics (excl. Cancer Genetics)	321011p	Medical Genetics
110312	Nephrology and Urology	321012	Nephrology and Urology
110313	Nuclear Medicine	321023p	Radiotherapy and Nuclear Medicine
110314	Orthopaedics	321017	Orthopaedics
110315	Otorhinolaryngology	321018	Otorhinolaryngology
110316	Pathology (excl. Oral Pathology)	321020p	Pathology
110317	Physiotherapy	321024p	Rehabilitation and Therapy: Occupational and Physical
		321099p	Clinical Sciences not elsewhere classified
110318	Podiatry	329901	Podiatry
110319	Psychiatry (incl. Psychotherapy)	321021	Psychiatry
		321099p	Clinical Sciences not elsewhere classified
110320	Radiology and Organ Imaging	321022	Radiology and Organ Imaging
110321	Rehabilitation and Therapy (excl. Physiotherapy)	321024p	Rehabilitation and Therapy: Occupational and Physical
		321025	Rehabilitation and Therapy: Hearing and Speech
110322	Rheumatology and Arthritis	321028	Rheumatology and Arthritis
110323	Surgery	321029	Surgery
110324	Venereology	321030	Venereology
110399	Clinical Sciences not elsewhere classified	321099p	Clinical Sciences not elsewhere classified

**1104 COMPLEMENTARY AND ALTERNATIVE MEDICINE**

110401	Chiropractic	321302	Chiropractic
110402	Naturopathy	321303	Naturopathy
110403	Traditional Aboriginal and Torres Strait Islander Medicine and Treatments	321399p	Complementary/Alternative Medicine not elsewhere classified
110404	Traditional Chinese Medicine and Treatments	321301	Oriental Medicine and Treatments
110405	Traditional Māori Medicine and Treatments	321399p	Complementary/Alternative Medicine not elsewhere classified
110499	Complementary and Alternative Medicine not elsewhere classified	321399p	Complementary/Alternative Medicine not elsewhere classified

**1105 DENTISTRY**

110501	Dental Materials and Equipment	320803	Dental Technology
		320899p	Dentistry not elsewhere classified
110502	Dental Therapeutics, Pharmacology and Toxicology	320502p	Basic Pharmacology
		320503p	Clinical Pharmacology and Therapeutics
		320504p	Toxicology (incl. Clinical Toxicology)
		320899p	Dentistry not elsewhere classified
110503	Endodontics	320899p	Dentistry not elsewhere classified
110504	Oral and Maxillofacial Surgery	320801	Oral Surgery
		320899p	Dentistry not elsewhere classified
110505	Oral Medicine and Pathology	320899p	Dentistry not elsewhere classified
		321020p	Pathology
110506	Orthodontics and Dentofacial Orthopaedics	320899p	Dentistry not elsewhere classified
110507	Paedodontics	320899p	Dentistry not elsewhere classified
110508	Periodontics	320899p	Dentistry not elsewhere classified
110509	Special Needs Dentistry	320899p	Dentistry not elsewhere classified
110599	Dentistry not elsewhere classified	320802	Dentistry Support
		320804	Dental Therapy
		320899p	Dentistry not elsewhere classified

**1106 HUMAN MOVEMENT AND SPORTS SCIENCE**

110601	Biomechanics	321402	Biomechanics
110602	Exercise Physiology	321401	Exercise Physiology
110603	Motor Control	321403	Motor Control
110604	Sports Medicine	321405	Sports Medicine
110699	Human Movement and Sports Science not elsewhere classified	321499	Human Movement and Sports Science not elsewhere classified

**1107 IMMUNOLOGY**

110701	Allergy	320201	Allergy
110702	Applied Immunology (incl. Antibody Engineering, Xenotransplantation and T-cell Therapies)	320299p	Immunology not elsewhere classified
110703	Autoimmunity	320207	Autoimmunity
110704	Cellular Immunology	320202	Cellular Immunology
110705	Humoural Immunology and Immunochemistry	320203	Humoral Immunology and Immunochemistry
110706	Immunogenetics (incl. Genetic Immunology)	320204	Immunogenetics
110707	Innate Immunity	320299p	Immunology not elsewhere classified
110708	Transplantation Immunology	320205	Transplantation Immunology
110709	Tumour Immunology	320206	Tumor Immunology
110799	Immunology not elsewhere classified	320299p	Immunology not elsewhere classified

**1108 MEDICAL MICROBIOLOGY**

110801	Medical Bacteriology	320401	Medical Bacteriology
110802	Medical Infection Agents (incl. Prions)	320403	Medical Infection Agents (incl. Prions)
110803	Medical Parasitology	320405	Medical Parasitology
110804	Medical Virology	320402	Medical Virology
110899	Medical Microbiology not elsewhere classified	320404	Medical Mycology
		320499p	Medical Microbiology not elsewhere classified

**1109 NEUROSCIENCES**

110901	Autonomic Nervous System	320701	Autonomic Nervous System
110902	Cellular Nervous System	320704	Cellular Nervous System
110903	Central Nervous System	320702	Central Nervous System
110904	Neurology and Neuromuscular Diseases	321013	Neurology and Neuromuscular Diseases
110905	Peripheral Nervous System	320703	Peripheral Nervous System
110906	Sensory Systems	320705	Sensory Systems
110999	Neurosciences not elsewhere classified	320799	Neurosciences not elsewhere classified

**1110 NURSING**

111001	Aged Care Nursing	321106	Aged Care Nursing
111002	Clinical Nursing: Primary (Preventative)	321102	Clinical Nursing: Primary (Preventative)
111003	Clinical Nursing: Secondary (Acute Care)	321103	Clinical Nursing: Secondary (Acute Care)
111004	Clinical Nursing: Tertiary (Rehabilitative)	321104	Clinical Nursing: Tertiary (Rehabilitative)
111005	Mental Health Nursing	321105	Mental Health Nursing
111006	Midwifery	321101	Midwifery
111099	Nursing not elsewhere classified	321199	Nursing not elsewhere classified

**1111 NUTRITION AND DIETETICS**

111101	Clinical and Sports Nutrition	321205p	Nutrition and Dietetics
111102	Dietetics and Nutrigenomics	321205p	Nutrition and Dietetics
111103	Nutritional Physiology	321205p	Nutrition and Dietetics
111104	Public Nutrition Intervention	321205p	Nutrition and Dietetics
111199	Nutrition and Dietetics not elsewhere classified	321205p	Nutrition and Dietetics

**1112 ONCOLOGY AND CARCINOGENESIS**

111201	Cancer Cell Biology	321015p	Oncology and Carcinogenesis
111202	Cancer Diagnosis	321015p	Oncology and Carcinogenesis
111203	Cancer Genetics	321011p	Medical Genetics
		321015p	Oncology and Carcinogenesis
111204	Cancer Therapy (excl. Chemotherapy and Radiation Therapy)	321015p	Oncology and Carcinogenesis
111205	Chemotherapy	321015p	Oncology and Carcinogenesis
111206	Haematological Tumours	321015p	Oncology and Carcinogenesis
111207	Molecular Targets	321015p	Oncology and Carcinogenesis
111208	Radiation Therapy	321023p	Radiotherapy and Nuclear Medicine
111209	Solid Tumours	321015p	Oncology and Carcinogenesis
111299	Oncology and Carcinogenesis not elsewhere classified	321015p	Oncology and Carcinogenesis

**1113 OPHTHALMOLOGY AND OPTOMETRY**

111301	Ophthalmology	321016p	Ophthalmology and Vision Science
111302	Optical Technology	320901	Optical Technology
111303	Vision Science	321016p	Ophthalmology and Vision Science
111399	Ophthalmology and Optometry not elsewhere classified	320999	Optometry not elsewhere classified
		321099p	Clinical Sciences not elsewhere classified

**1114 PAEDIATRICS AND REPRODUCTIVE MEDICINE**

111401	Foetal Development and Medicine	321005	Foetal Development and Medicine
111402	Obstetrics and Gynaecology	321014	Obstetrics and Gynaecology
111403	Paediatrics	321019	Paediatrics
111404	Reproduction	321026	Reproduction
111499	Paediatrics and Reproductive Medicine not elsewhere classified	321099p	Clinical Sciences not elsewhere classified

**1115 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES**

111501	Basic Pharmacology	320502p	Basic Pharmacology
111502	Clinical Pharmacology and Therapeutics	320503p	Clinical Pharmacology and Therapeutics
111503	Clinical Pharmacy and Pharmacy Practice	320501p	Pharmaceutical Sciences and Pharmacy
111504	Pharmaceutical Sciences	320501p	Pharmaceutical Sciences and Pharmacy
111505	Pharmacogenomics	320599p	Pharmacology not elsewhere classified
111506	Toxicology (incl. Clinical Toxicology)	320504p	Toxicology (incl. Clinical Toxicology)
111599	Pharmacology and Pharmaceutical Sciences not elsewhere classified	320599p	Pharmacology not elsewhere classified

**1116 MEDICAL PHYSIOLOGY**

111601	Cell Physiology	320602	Cell Physiology
111602	Human Biophysics	320601	Human Biophysics
111603	Systems Physiology	320603	Systems Physiology
111699	Medical Physiology not elsewhere classified	320699	Medical Physiology not elsewhere classified

**1117 PUBLIC HEALTH AND HEALTH SERVICES**

111701	Aboriginal and Torres Strait Islander Health	321207p	Indigenous Health
111702	Aged Health Care	321299p	Public Health and Health Services not elsewhere classified
111703	Care for Disabled	321212	Care for Disabled
111704	Community Child Health	321210	Community Child Health
111705	Environmental and Occupational Health and Safety	321201	Environmental and Occupational Health and Safety
111706	Epidemiology	321202	Epidemiology
111707	Family Care	321209	Family Care
111708	Health and Community Services	321214	Health and Community Services
111709	Health Care Administration	321215	Health Care Administration
111710	Health Counselling	321217	Health Counselling
111711	Health Information Systems (incl. Surveillance)	321203	Health Information Systems (incl. Surveillance)
111712	Health Promotion	321216	Health Promotion
111713	Māori Health	321207p	Indigenous Health
111714	Mental Health	321204	Mental Health
111715	Pacific Peoples Health	321207p	Indigenous Health
111716	Preventive Medicine	321206	Preventive Medicine

**11 MEDICAL AND HEALTH SCIENCES** *continued*

111717	Primary Health Care	321208	Primary Health Care
111718	Residential Client Care	321211	Residential Client Care
111799	Public Health and Health Services not elsewhere classified	321299p	Public Health and Health Services not elsewhere classified

**1199 OTHER MEDICAL AND HEALTH SCIENCES**

119999	Medical and Health Sciences not elsewhere classified	329903	Therapies and Therapeutic Technology
		329999	Medical and Health Sciences not elsewhere classified

**12 BUILT ENVIRONMENT AND DESIGN**

**1201 ARCHITECTURE**

120101	Architectural Design	310101p	Architecture
120102	Architectural Heritage and Conservation	310102	Heritage and Conservation
120103	Architectural History and Theory	310105p	History of the Built Environment
		310199p	Architecture and Urban Environment not elsewhere classified
120104	Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)	310101p	Architecture
		310199p	Architecture and Urban Environment not elsewhere classified
120105	Architecture Management	310101p	Architecture
		310199p	Architecture and Urban Environment not elsewhere classified
120106	Interior Design	310106	Interior and Environmental Design
120107	Landscape Architecture	310104	Landscape Planning
120199	Architecture not elsewhere classified	310101p	Architecture
		310199p	Architecture and Urban Environment not elsewhere classified

**1202 BUILDING**

120201	Building Construction Management and Project Planning	310202	Building Construction Management
120202	Building Science and Techniques	310201	Building Science and Techniques
120203	Quantity Surveying	310203p	Building Construction Economics (incl. Quantity Surveying)
120299	Building not elsewhere classified	310203p	Building Construction Economics (incl. Quantity Surveying)
		310299	Building not elsewhere classified

**1203 DESIGN PRACTICE AND MANAGEMENT**

120301	Design History and Theory	410401	Design Theory
		410405	Design History and Cultural Theory
120302	Design Innovation	410402	Design Innovation
120303	Design Management and Studio and Professional Practice	410403	Design Studio Practice
		410404	Design Management and Professional Practice
120304	Digital and Interaction Design	410499p	Design Studies not elsewhere classified
120305	Industrial Design	410499p	Design Studies not elsewhere classified
120306	Textile and Fashion Design	410499p	Design Studies not elsewhere classified
120307	Visual Communication Design (incl. Graphic Design)	410499p	Design Studies not elsewhere classified
120399	Design Practice and Management not elsewhere classified	410499p	Design Studies not elsewhere classified

**1204 ENGINEERING DESIGN**

120401	Engineering Design Empirical Studies	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified
120402	Engineering Design Knowledge	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified
120403	Engineering Design Methods	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified
120404	Engineering Systems Design	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified
120405	Models of Engineering Design	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified
120499	Engineering Design not elsewhere classified	299999p	Engineering and Technology not elsewhere classified
		410499p	Design Studies not elsewhere classified

**1205 URBAN AND REGIONAL PLANNING**

120501	Community Planning	310103p	Urban and Regional Planning
120502	History and Theory of the Built Environment (excl. Architecture)	310105p	History of the Built Environment
		310199p	Architecture and Urban Environment not elsewhere classified
120503	Housing Markets, Development, Management	310103p	Urban and Regional Planning
120504	Land Use and Environmental Planning	310103p	Urban and Regional Planning
120505	Regional Analysis and Development	310103p	Urban and Regional Planning
120506	Transport Planning	310103p	Urban and Regional Planning
120507	Urban Analysis and Development	310103p	Urban and Regional Planning
120508	Urban Design	310103p	Urban and Regional Planning
120599	Urban and Regional Planning not elsewhere classified	310103p	Urban and Regional Planning
		310199p	Architecture and Urban Environment not elsewhere classified

**1299 OTHER BUILT ENVIRONMENT AND DESIGN**

129999	Built Environment and Design not elsewhere classified	299999p	Engineering and Technology not elsewhere classified
		319999	Other Architecture, Urban Environment and Building
		419999p	The Arts not elsewhere classified

**13 EDUCATION**

**1301 EDUCATION SYSTEMS**

130101	Continuing and Community Education	330304p	Teacher Education: Vocational Education and Training
		339999p	Other Education
130102	Early Childhood Education (excl. Māori)	330301p	Teacher Education: Early Childhood
		339999p	Other Education
130103	Higher Education	330305p	Teacher Education: Higher Education
		339999p	Other Education
130104	Kura Kaupapa Māori (Māori Primary Education)	330302p	Teacher Education: Primary
		339999p	Other Education
130105	Primary Education (excl. Māori)	330302p	Teacher Education: Primary
		339999p	Other Education
130106	Secondary Education	330303p	Teacher Education: Secondary
		339999p	Other Education
130107	Te Whāriki (Māori Early Childhood Education)	330301p	Teacher Education: Early Childhood
		339999p	Other Education
130108	Technical, Further and Workplace Education	330304p	Teacher Education: Vocational Education and Training
		339999p	Other Education
130199	Education Systems not elsewhere classified	330399p	Professional Development of Teachers not elsewhere classified
		339999p	Other Education

**1302 CURRICULUM AND PEDAGOGY**

130201	Creative Arts, Media and Communication Curriculum and Pedagogy	330205p	Curriculum Studies: Other Social Sciences, Humanities and Arts Education
		330299p	Curriculum Studies not elsewhere classified
130202	Curriculum and Pedagogy Theory and Development	330206	Curriculum Theory and Development
		330299p	Curriculum Studies not elsewhere classified
130203	Economics, Business and Management Curriculum and Pedagogy	330204p	Curriculum Studies: Economics, Commerce, Management and Services Education
		330299p	Curriculum Studies not elsewhere classified
130204	English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)	330201p	Curriculum Studies: English Education
		330299p	Curriculum Studies not elsewhere classified
130205	Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)	330205p	Curriculum Studies: Other Social Sciences, Humanities and Arts Education
		330299p	Curriculum Studies not elsewhere classified
		390203p	Legal Education
130206	Kōhanga Reo (Māori Language Curriculum and Pedagogy)	330299p	Curriculum Studies not elsewhere classified
130207	LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)	330201p	Curriculum Studies: English Education
		330299p	Curriculum Studies not elsewhere classified
130208	Mathematics and Numeracy Curriculum and Pedagogy	330202	Curriculum Studies: Mathematics Education
		330299p	Curriculum Studies not elsewhere classified
130209	Medicine, Nursing and Health Curriculum and Pedagogy	330299p	Curriculum Studies not elsewhere classified
		330307p	Teacher Education: Nursing and Health



**13 EDUCATION** *continued*

130210	Physical Education and Development Curriculum and Pedagogy	330299p	Curriculum Studies not elsewhere classified
130211	Religion Curriculum and Pedagogy	330299p	Curriculum Studies not elsewhere classified
130212	Science, Technology and Engineering Curriculum and Pedagogy	330203	Curriculum Studies: Science Education
130213	Vocational Education and Training Curriculum and Pedagogy	330299p	Curriculum Studies not elsewhere classified
		330204p	Curriculum Studies: Economics, Commerce, Management and Services Education
130299	Curriculum and Pedagogy not elsewhere classified	330299p	Curriculum Studies not elsewhere classified
		330299p	Curriculum Studies not elsewhere classified

**1303 SPECIALIST STUDIES IN EDUCATION**

130301	Aboriginal and Torres Strait Islander Education	330199p	Education Studies not elsewhere classified
130302	Comparative and Cross-Cultural Education	330106	Comparative Education
		330199p	Education Studies not elsewhere classified
130303	Education Assessment and Evaluation	330109	Assessment and Evaluation
130304	Educational Administration, Management and Leadership	330104p	Educational Policy, Administration and Management
		330199p	Education Studies not elsewhere classified
130305	Educational Counselling	330105	Educational Counselling
130306	Educational Technology and Computing	330107	Educational Technology and Media
130307	Ethnic Education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)	330199p	Education Studies not elsewhere classified
130308	Gender, Sexuality and Education	330199p	Education Studies not elsewhere classified
130309	Learning Sciences	330101	Educational Psychology
130310	Māori Education (excl. Early Childhood and Primary Education)	330199p	Education Studies not elsewhere classified
130311	Pacific Peoples Education	330199p	Education Studies not elsewhere classified
130312	Special Education and Disability	330108	Special Education
		330306p	Teacher Education: Special Education
130313	Teacher Education and Professional Development of Educators	330199p	Education Studies not elsewhere classified
		330301p	Teacher Education: Early Childhood
		330302p	Teacher Education: Primary
		330303p	Teacher Education: Secondary
		330304p	Teacher Education: Vocational Education and Training
		330305p	Teacher Education: Higher Education
		330306p	Teacher Education: Special Education
		330307p	Teacher Education: Nursing and Health
		330399p	Professional Development of Teachers not elsewhere classified
130399	Specialist Studies in Education not elsewhere classified	330199p	Education Studies not elsewhere classified

**1399 OTHER EDUCATION**

139999	Education not elsewhere classified	339999p	Other Education
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**14 ECONOMICS**

**1401 ECONOMIC THEORY**

140101	History of Economic Thought	340302	History of Economic Thought
140102	Macroeconomic Theory	340102	Macroeconomic Theory
140103	Mathematical Economics	340103	Mathematical Economics
140104	Microeconomic Theory	340101	Microeconomic Theory
140199	Economic Theory not elsewhere classified	340199	Economic Theory not elsewhere classified

**1402 APPLIED ECONOMICS**

140201	Agricultural Economics	340201	Agricultural Economics
140202	Economic Development and Growth	340213	Economic Development and Growth
140203	Economic History	340301	Economic History
140204	Economics of Education	340299p	Applied Economics not elsewhere classified
140205	Environment and Resource Economics	340202	Environment and Resource Economics
140206	Experimental Economics	340299p	Applied Economics not elsewhere classified
140207	Financial Economics	340203	Finance Economics
140208	Health Economics	340204	Health Economics
140209	Industry Economics and Industrial Organisation	340205	Industry Economics and Industrial Organisation
140210	International Economics and International Finance	340206	International Economics and International Finance
140211	Labour Economics	340207	Labour Economics
140212	Macroeconomics (incl. Monetary and Fiscal Theory)	340208	Macroeconomics (incl. Monetary and Fiscal Theory)
140213	Public Economics- Public Choice	340209p	Public Sector Economics

**14 ECONOMICS** *continued*

140214	Public Economics- Publicly Provided Goods	349901p	Political Economy
140215	Public Economics- Taxation and Revenue	340209p	Public Sector Economics
140216	Tourism Economics	340209p	Public Sector Economics
140217	Transport Economics	350505	Tourism Economics
140218	Urban and Regional Economics	340211	Transport Economics
140219	Welfare Economics	340214	Urban and Regional Economics
140299	Applied Economics not elsewhere classified	340210	Welfare Economics
		340299p	Applied Economics not elsewhere classified

**1403 ECONOMETRICS**

140301	Cross-Sectional Analysis	340404	Cross-Sectional Analysis
140302	Econometric and Statistical Methods	340402	Econometric and Statistical Methods
140303	Economic Models and Forecasting	340401	Economic Models and Forecasting
140304	Panel Data Analysis	340405	Panel Data Analysis
140305	Time-Series Analysis	340403	Time-Series Analysis
140399	Econometrics not elsewhere classified	340499	Econometrics not elsewhere classified

**1499 OTHER ECONOMICS**

149901	Comparative Economic Systems	349902	Comparative Economic Systems
149902	Ecological Economics	349999p	Economics not elsewhere classified
149903	Heterodox Economics	349901p	Political Economy
149999	Economics not elsewhere classified	349999p	Economics not elsewhere classified

**15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES**

**1501 ACCOUNTING, AUDITING AND ACCOUNTABILITY**

150101	Accounting Theory and Standards	350107p	Other Accounting
150102	Auditing and Accountability	350103	Auditing and Accountability
150103	Financial Accounting	350101	Financial Accounting
150104	International Accounting	350106	International Accounting
150105	Management Accounting	350102	Management Accounting
150106	Sustainability Accounting and Reporting	350107p	Other Accounting
150107	Taxation Accounting	350104	Taxation
150199	Accounting, Auditing and Accountability not elsewhere classified	350105	Bookkeeping
		350107p	Other Accounting

**1502 BANKING, FINANCE AND INVESTMENT**

150201	Finance	350301	Finance
150202	Financial Econometrics	350302	Financial Econometrics
150203	Financial Institutions (incl. Banking)	350303	Financial Institutions (incl. Banking)
150204	Insurance Studies	350304	Insurance Studies
150205	Investment and Risk Management	350399p	Banking, Finance and Investment not elsewhere classified
150299	Banking, Finance and Investment not elsewhere classified	350399p	Banking, Finance and Investment not elsewhere classified

**1503 BUSINESS AND MANAGEMENT**

150301	Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)	280103p	Information Storage, Retrieval and Management
150302	Business Information Systems	350299p	Business and Management not elsewhere classified
150303	Corporate Governance and Stakeholder Engagement	350202	Business Information Systems (incl. Data Processing)
150304	Entrepreneurship	350299p	Business and Management not elsewhere classified
150305	Human Resources Management	350299p	Business and Management not elsewhere classified
150306	Industrial Relations	350201	Human Resources Management
150307	Innovation and Technology Management	350203	Industrial Relations
150308	International Business	350211	Innovation and Technology Management
150309	Logistics and Supply Chain Management	350212	International Business
150310	Organisation and Management Theory	350205	Sales and Distribution
150311	Organisational Behaviour	350299p	Business and Management not elsewhere classified
150312	Organisational Planning and Management	350299p	Business and Management not elsewhere classified
150313	Quality Management	350208	Organisational Planning and Management
150314	Small Business Management	350210	Quality Management
150399	Business and Management not elsewhere classified	350209	Small Business Management
		350207	Office Services
		350213	Electronic Commerce
		350299p	Business and Management not elsewhere classified

**1504 COMMERCIAL SERVICES**

150401	Food and Hospitality Services	350602	Food and Hospitality Services
150402	Hospitality Management	350601	Hospitality Management
150403	Real Estate and Valuation Services	350603	Real Estate and Valuation
150404	Sport and Leisure Management	350699p	Services not elsewhere classified
150499	Commercial Services not elsewhere classified	350604	Professional Services (Legal, Management Consulting, etc.)
		350605	Other Retail Services
		350606	Wholesale Services
		350699p	Services not elsewhere classified

**1505 MARKETING**

150501	Consumer-Oriented Product or Service Development	350204p	Marketing and Market Research
150502	Marketing Communications	350204p	Marketing and Market Research
		350206	Advertising and Public Relations
150503	Marketing Management (incl. Strategy and Customer Relations)	350204p	Marketing and Market Research
150504	Marketing Measurement	350204p	Marketing and Market Research
150505	Marketing Research Methodology	350204p	Marketing and Market Research
150506	Marketing Theory	350204p	Marketing and Market Research
150507	Pricing (incl. Consumer Value Estimation)	350204p	Marketing and Market Research
150599	Marketing not elsewhere classified	350204p	Marketing and Market Research

**1506 TOURISM**

150601	Impacts of Tourism	350503	Impacts of Tourism
150602	Tourism Forecasting	350506	Tourism Forecasting
150603	Tourism Management	350507	Tourism Management
150604	Tourism Marketing	350508	Tourism Marketing
150605	Tourism Resource Appraisal	350502	Tourism Resource Appraisal
150606	Tourist Behaviour and Visitor Experience	350504	Tourist Behaviour
150699	Tourism not elsewhere classified	350599	Tourism not elsewhere classified

**1507 TRANSPORTATION AND FREIGHT SERVICES**

150701	Air Transportation and Freight Services	350401	Aeronautical Transportation
150702	Rail Transportation and Freight Services	350405p	Road and Rail Transportation
150703	Road Transportation and Freight Services	350405p	Road and Rail Transportation
150799	Transportation and Freight Services not elsewhere classified	350402	Aircrew Training
		350403	Nautical Transportation
		350404	Marine Crew Training
		350499	Transportation not elsewhere classified

**1599 OTHER COMMERCE, MANAGEMENT, TOURISM AND SERVICES**

159999	Commerce, Management, Tourism and Services not elsewhere classified	359999	Other Commerce, Management, Tourism and Services
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**16 STUDIES IN HUMAN SOCIETY**

**1601 ANTHROPOLOGY**

160101	Anthropology of Development	370399p	Anthropology not elsewhere classified
160102	Biological (Physical) Anthropology	370301	Biological (Physical) Anthropology
160103	Linguistic Anthropology	370303	Linguistic Anthropology
160104	Social and Cultural Anthropology	370302	Social and Cultural Anthropology
160199	Anthropology not elsewhere classified	370399p	Anthropology not elsewhere classified

**1602 CRIMINOLOGY**

160201	Causes and Prevention of Crime	390401p	Criminology
		390404p	Detection and Prevention of Crime; Security Services
		390499p	Law Enforcement not elsewhere classified
160202	Correctional Theory, Offender Treatment and Rehabilitation	390405	Correctional Theory and Services; Penology
160203	Courts and Sentencing	390401p	Criminology
		390499p	Law Enforcement not elsewhere classified
160204	Criminological Theories	390401p	Criminology
		390499p	Law Enforcement not elsewhere classified
160205	Police Administration, Procedures and Practice	390402p	Evidence and Procedure
		390403	Police Administration, Procedures and Practice
160206	Private Policing and Security Services	390401p	Criminology
		390404p	Detection and Prevention of Crime; Security Services
		390499p	Law Enforcement not elsewhere classified

**16 STUDIES IN HUMAN SOCIETY** *continued*

160299	Criminology not elsewhere classified	390401p	Criminology
		390499p	Law Enforcement not elsewhere classified

**1603 DEMOGRAPHY**

160301	Family and Household Studies	370504	Family and Household Studies
160302	Fertility	370503	Fertility
160303	Migration	370502	Migration
160304	Mortality	370599p	Demography not elsewhere classified
160305	Population Trends and Policies	370501	Population Trends and Policies
160399	Demography not elsewhere classified	370599p	Demography not elsewhere classified

**1604 HUMAN GEOGRAPHY**

160401	Economic Geography	340212	Economic Geography
160402	Recreation, Leisure and Tourism Geography	370403	Recreation and Leisure Studies
160403	Social and Cultural Geography	370402	Social and Cultural Geography
160404	Urban and Regional Studies (excl. Planning)	370401	Urban and Regional Studies
160499	Human Geography not elsewhere classified	370499	Human Geography not elsewhere classified

**1605 POLICY AND ADMINISTRATION**

160501	Aboriginal and Torres Strait Islander Policy	360299p	Policy and Administration not elsewhere classified
160502	Arts and Cultural Policy	360299p	Policy and Administration not elsewhere classified
		420301	Cultural Policy Studies
160503	Communications and Media Policy	360299p	Policy and Administration not elsewhere classified
160504	Crime Policy	360299p	Policy and Administration not elsewhere classified
160505	Economic Development Policy	360299p	Policy and Administration not elsewhere classified
160506	Education Policy	330104p	Educational Policy, Administration and Management
160507	Environment Policy	360299p	Policy and Administration not elsewhere classified
160508	Health Policy	360299p	Policy and Administration not elsewhere classified
160509	Public Administration	360202	Public Administration
160510	Public Policy	360201	Public Policy
160511	Research, Science and Technology Policy	360203	Research, Science and Technology Policy
160512	Social Policy	370102	Social Policy and Planning
		370203	Social Policy
160513	Tourism Policy	350501	Tourism Policy and Planning
160514	Urban Policy	360299p	Policy and Administration not elsewhere classified
160599	Policy and Administration not elsewhere classified	360299p	Policy and Administration not elsewhere classified

**1606 POLITICAL SCIENCE**

160601	Australian Government and Politics	360101	Australian Government and Politics
160602	Citizenship	360199p	Political Science not elsewhere classified
160603	Comparative Government and Politics	360102	Comparative Government and Politics
160604	Defence Studies	360204	Defence Studies
160605	Environmental Politics	360199p	Political Science not elsewhere classified
160606	Government and Politics of Asia and the Pacific	360199p	Political Science not elsewhere classified
160607	International Relations	360105	International Relations
160608	New Zealand Government and Politics	360199p	Political Science not elsewhere classified
160609	Political Theory and Political Philosophy	360104	Political Theory and Political Philosophy
160699	Political Science not elsewhere classified	360103	Federalism and Intergovernmental Relations
		360199p	Political Science not elsewhere classified

**1607 SOCIAL WORK**

160701	Clinical Social Work Practice	370201	Clinical Social Work Practice
160702	Counselling, Welfare and Community Services	370204	Counselling, Welfare and Community Services
160703	Social Program Evaluation	370202	Social Program Evaluation
160799	Social Work not elsewhere classified	370299	Social Work not elsewhere classified

**1608 SOCIOLOGY**

160801	Applied Sociology, Program Evaluation and Social Impact Assessment	370105	Applied Sociology, Program Evaluation and Social Impact Assessment
160802	Environmental Sociology	370199p	Sociology not elsewhere classified
160803	Race and Ethnic Relations	370103	Race and Ethnic Relations
160804	Rural Sociology	370199p	Sociology not elsewhere classified
160805	Social Change	370107	Social Change
160806	Social Theory	370101	Social Theory
160807	Sociological Methodology and Research Methods	370106	Sociological Methodology and Research Methods
160808	Sociology and Social Studies of Science and Technology	370602	Sociology and Social Studies of Science and Technology
160809	Sociology of Education	330103	Sociology of Education
160810	Urban Sociology and Community Studies	370104	Urban Sociology and Community Studies

**16 STUDIES IN HUMAN SOCIETY** *continued*

160899 Sociology not elsewhere classified 370199p Sociology not elsewhere classified

**1699 OTHER STUDIES IN HUMAN SOCIETY**

169901 Gender Specific Studies	379901 Gender Specific Studies
169902 Studies of Aboriginal and Torres Strait Islander Society	379902 Aboriginal Studies
169903 Studies of Asian Society	379999p Studies in Human Society not elsewhere classified
169904 Studies of Māori Society	379999p Studies in Human Society not elsewhere classified
169905 Studies of Pacific Peoples' Societies	379999p Studies in Human Society not elsewhere classified
169999 Studies in Human Society not elsewhere classified	369999 Other Policy and Political Science
	379999p Studies in Human Society not elsewhere classified

**17 PSYCHOLOGY AND COGNITIVE SCIENCES**

**1701 PSYCHOLOGY**

170101 Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	380103 Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)
170102 Developmental Psychology and Ageing	380106 Developmental Psychology and Ageing
170103 Educational Psychology	380102 Learning, Memory, Cognition and Language
	380199p Psychology not elsewhere classified
170104 Forensic Psychology	380199p Psychology not elsewhere classified
170105 Gender Psychology	380107 Health, Clinical and Counselling Psychology
170106 Health, Clinical and Counselling Psychology	380108 Industrial and Organisational Psychology
170107 Industrial and Organisational Psychology	380199p Psychology not elsewhere classified
170108 Kaupapa Māori Psychology	380104 Personality, Abilities and Assessment
170109 Personality, Abilities and Assessment	380109 Psychological Methodology, Design and Analysis
170110 Psychological Methodology, Design and Analysis	440208 Psychology of Religion
170111 Psychology of Religion	380101 Sensory Processes, Perception and Performance
170112 Sensory Processes, Perception and Performance	380105 Social and Community Psychology
170113 Social and Community Psychology	321404 Sport and Exercise Psychology
170114 Sport and Exercise Psychology	380199p Psychology not elsewhere classified
170199 Psychology not elsewhere classified	

**1702 COGNITIVE SCIENCES**

170201 Computer Perception, Memory and Attention	380303 Computer Perception, Memory and Attention
170202 Decision Making	380399p Cognitive Science not elsewhere classified
170203 Knowledge Representation and Machine Learning	380305 Knowledge Representation and Machine Learning
170204 Linguistic Processes (incl. Speech Production and Comprehension)	380302 Linguistic Processes (incl. Speech Production and Comprehension)
170205 Neurocognitive Patterns and Neural Networks	380304 Neurocognitive Patterns and Neural Networks
170299 Cognitive Sciences not elsewhere classified	380306 Planning and Problem Solving
	380399p Cognitive Science not elsewhere classified

**1799 OTHER PSYCHOLOGY AND COGNITIVE SCIENCES**

179999 Psychology and Cognitive Sciences not elsewhere classified	389999 Other Behavioural and Cognitive Sciences
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**18 LAW AND LEGAL STUDIES**

**1801 LAW**

180101 Aboriginal and Torres Strait Islander Law	390110p Indigenous Law
180102 Access to Justice	390199p Law not elsewhere classified
	390399p Justice and Legal Studies not elsewhere classified
180103 Administrative Law	390101 Administrative Law
180104 Civil Law and Procedure	390109 Civil Law
	390402p Evidence and Procedure
180105 Commercial and Contract Law	390104 Commercial and Contract Law
180106 Comparative Law	390102 Comparative Law
180107 Conflict of Laws (Private International Law)	390111p International Law
	390199p Law not elsewhere classified
180108 Constitutional Law	390103p Constitutionalism and Constitutional Law
180109 Corporations and Associations Law	390105 Corporations and Associations Law
180110 Criminal Law and Procedure	390106 Criminal Law
	390402p Evidence and Procedure
180111 Environmental and Natural Resources Law	390107 Environmental and Natural Resources Law
180112 Equity and Trusts Law	390119 Equity Law
	390120 Trust Law
180113 Family Law	390108 Family Law
180114 Human Rights Law	390303p Human Rights

**18 LAW AND LEGAL STUDIES** *continued*

180115	Intellectual Property Law	390114	Intellectual Property
180116	International Law (excl. International Trade Law)	390111p	International Law
180117	International Trade Law	390111p	International Law
		390199p	Law not elsewhere classified
180118	Labour Law	390116	Labour Law
180119	Law and Society	390203p	Legal Education
		390305	Law and Society
180120	Legal Institutions (incl. Courts and Justice Systems)	390301	Justice Systems and Administration
		390399p	Justice and Legal Studies not elsewhere classified
180121	Legal Practice, Lawyering and the Legal Profession	390201	Legal Practice
		390299p	Professional Development of Law Practitioners not elsewhere classified
180122	Legal Theory, Jurisprudence and Legal Interpretation	390202p	Adjudication
		390302p	Jurisprudence and Legal Theory
180123	Litigation, Adjudication and Dispute Resolution	390202p	Adjudication
		390302p	Jurisprudence and Legal Theory
180124	Property Law (excl. Intellectual Property Law)	390304	Counselling and Mediation Services
180125	Taxation Law	390115	Property Law and Conveyancing (excl. Intellectual Property)
180126	Tort Law	390118	Taxation Law
180199	Law not elsewhere classified	390117	Tort Law
		390103p	Constitutionalism and Constitutional Law
		390112	Law and Literature
		390199p	Law not elsewhere classified
		390299p	Professional Development of Law Practitioners not elsewhere classified
		390399p	Justice and Legal Studies not elsewhere classified

**1802 MĀORI LAW**

180201	Nga Tikanga Māori (Māori Customary Law)	390110p	Indigenous Law
180202	Te Māori Whakakaere Rauemi (Māori Resource Law)	399999p	Law, Justice and Law Enforcement not elsewhere classified
		390110p	Indigenous Law
180203	Te Tiriti O Waitangi (The Treaty of Waitangi)	399999p	Law, Justice and Law Enforcement not elsewhere classified
		390110p	Indigenous Law
180204	Te Ture Whenua (Māori Land Law)	399999p	Law, Justice and Law Enforcement not elsewhere classified
		390110p	Indigenous Law
180299	Māori Law not elsewhere classified	399999p	Law, Justice and Law Enforcement not elsewhere classified
		390110p	Indigenous Law
		399999p	Law, Justice and Law Enforcement not elsewhere classified

**1899 OTHER LAW AND LEGAL STUDIES**

189999	Law and Legal Studies not elsewhere classified	399999p	Law, Justice and Law Enforcement not elsewhere classified
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**19 STUDIES IN CREATIVE ARTS AND WRITING**

**1901 ART THEORY AND CRITICISM**

190101	Art Criticism	419901p	Art History and Appreciation
190102	Art History	419901p	Art History and Appreciation
190103	Art Theory	419901p	Art History and Appreciation
190104	Visual Cultures	419901p	Art History and Appreciation
190199	Art Theory and Criticism not elsewhere classified	419901p	Art History and Appreciation

**1902 FILM, TELEVISION AND DIGITAL MEDIA**

190201	Cinema Studies	410302	Cinema Studies
190202	Computer Gaming and Animation	410303p	Multimedia
190203	Electronic Media Art	410303p	Multimedia
190204	Film and Television	410301	Film and Video
190205	Interactive Media	410303p	Multimedia
190299	Film, Television and Digital Media not elsewhere classified	410304	Other Cinema and Electronic Arts

**1903 JOURNALISM AND PROFESSIONAL WRITING**

190301	Journalism Studies	400101	Journalism
190302	Professional Writing	400199p	Journalism, Communication and Media not elsewhere classified
190303	Technical Writing	400102	Technical Writing
190399	Journalism and Professional Writing not elsewhere classified	400199p	Journalism, Communication and Media not elsewhere classified

**1904 PERFORMING ARTS AND CREATIVE WRITING**

190401	Aboriginal and Torres Strait Islander Performing Arts	410104p	Indigenous Performing Arts
190402	Creative Writing (incl. Playwriting)	400103	Professional Creative Writing
		410102p	Drama, Theatre and Performance Studies
190403	Dance	410103	Dance
190404	Drama, Theatre and Performance Studies	410102p	Drama, Theatre and Performance Studies
190405	Māori Performing Arts	410104p	Indigenous Performing Arts
190406	Music Composition	410101p	Music
190407	Music Performance	410101p	Music
190408	Music Therapy	410101p	Music
190409	Musicology and Ethnomusicology	410101p	Music
190410	Pacific Peoples Performing Arts	410104p	Indigenous Performing Arts
190499	Performing Arts and Creative Writing not elsewhere classified	410199	Performing Arts not elsewhere classified

**1905 VISUAL ARTS AND CRAFTS**

190501	Crafts	410204	Crafts
190502	Fine Arts (incl. Sculpture and Painting)	410202	Fine Arts (incl. Sculpture and Painting)
190503	Lens-based Practice	410203	Photography
190504	Performance and Installation Art	410299p	Visual Arts and Crafts not elsewhere classified
190599	Visual Arts and Crafts not elsewhere classified	410201	Graphic Arts
		410299p	Visual Arts and Crafts not elsewhere classified

**1999 OTHER STUDIES IN CREATIVE ARTS AND WRITING**

199999	Studies in Creative Arts and Writing not elsewhere classified	409999p	Other Journalism, Librarianship and Curatorial Studies
		419999p	The Arts not elsewhere classified

**20 LANGUAGE, COMMUNICATION AND CULTURE**

**2001 COMMUNICATION AND MEDIA STUDIES**

200101	Communication Studies	400104p	Communication and Media Studies
200102	Communication Technology and Digital Media Studies	400104p	Communication and Media Studies
200103	International and Development Communication	400104p	Communication and Media Studies
200104	Media Studies	400104p	Communication and Media Studies
200105	Organisational, Interpersonal and Intercultural Communication	400104p	Communication and Media Studies
200199	Communication and Media Studies not elsewhere classified	400104p	Communication and Media Studies

**2002 CULTURAL STUDIES**

200201	Aboriginal and Torres Strait Islander Cultural Studies	420305	Aboriginal Cultural Studies
200202	Asian Cultural Studies	420399p	Cultural Studies not elsewhere classified
200203	Consumption and Everyday Life	420307	Consumption and Everyday Life
200204	Cultural Theory	420302	Cultural Theory
200205	Culture, Gender, Sexuality	420303	Culture, Gender, Sexuality
200206	Globalisation and Culture	420306p	Postcolonial and Global Cultural Studies
200207	Māori Cultural Studies	420399p	Cultural Studies not elsewhere classified
200208	Migrant Cultural Studies	420399p	Cultural Studies not elsewhere classified
200209	Multicultural, Intercultural and Cross-cultural Studies	420308	Multicultural, Intercultural and Cross-cultural Studies
200210	Pacific Cultural Studies	420399p	Cultural Studies not elsewhere classified
200211	Postcolonial Studies	420306p	Postcolonial and Global Cultural Studies
200212	Screen and Media Culture	420304	Screen and Media Culture
200299	Cultural Studies not elsewhere classified	420399p	Cultural Studies not elsewhere classified

**2003 LANGUAGE STUDIES**

200301	Early English Languages	420101p	English
200302	English Language	420101p	English
200303	English as a Second Language	420102	English as a Second Language
200304	Central and Eastern European Languages (incl. Russian)	420110	Russian
		420111p	Other European Languages
200305	Latin and Classical Greek Languages	420104	Latin
		420105p	Greek
200306	French Language	420106	French
200307	German Language	420107	German
200308	Iberian Languages	420109	Spanish
		420111p	Other European Languages
200309	Italian Language	420108	Italian
200310	Other European Languages	420111p	Other European Languages



**20 LANGUAGE, COMMUNICATION AND CULTURE** *continued*

200311	Chinese Languages	420112	Chinese Languages
200312	Japanese Language	420113	Japanese
200313	Indonesian Languages	420114	Indonesian Languages
200314	South-East Asian Languages (excl. Indonesian)	420115	Malaysian Languages
		420118	Vietnamese Languages
		420119	Thai Languages
		420120p	Other Asian Languages
200315	Indian Languages	420116	Indian Languages
200316	Korean Language	420117	Korean
200317	Other Asian Languages (excl. South-East Asian)	420120p	Other Asian Languages
200318	Middle Eastern Languages	420120p	Other Asian Languages
		420199p	Language Studies not elsewhere classified
200319	Aboriginal and Torres Strait Islander Languages	420103	Aboriginal Languages
200320	Pacific Languages	420199p	Language Studies not elsewhere classified
200321	Te Reo Māori (Māori Language)	420199p	Language Studies not elsewhere classified
200322	Comparative Language Studies	420121	Comparative Language Studies
200323	Translation and Interpretation Studies	420199p	Language Studies not elsewhere classified
200399	Language Studies not elsewhere classified	420105p	Greek
		420122	Oracy and Oral Traditions
		420199p	Language Studies not elsewhere classified

**2004 LINGUISTICS**

200401	Applied Linguistics and Educational Linguistics	380201	Applied Linguistics and Educational Linguistics
200402	Computational Linguistics	380202	Computational Linguistics
200403	Discourse and Pragmatics	380203	Discourse and Pragmatics
200404	Laboratory Phonetics and Speech Science	380204	Laboratory Phonetics and Speech Science
200405	Language in Culture and Society (Sociolinguistics)	380205	Language in Culture and Society (Sociolinguistics)
200406	Language in Time and Space (incl. Historical Linguistics, Dialectology)	380206	Language in Time and Space (incl. Historical Linguistics, Dialectology)
200407	Lexicography	380208	Lexicography
200408	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)	380207	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
200499	Linguistics not elsewhere classified	380299	Linguistics not elsewhere classified

**2005 LITERARY STUDIES**

200501	Aboriginal and Torres Strait Islander Literature	420202p	Australian and New Zealand
200502	Australian Literature (excl. Aboriginal and Torres Strait Islander Literature)	420202p	Australian and New Zealand
200503	British and Irish Literature	420201	British and Irish
200504	Māori Literature	420202p	Australian and New Zealand
200505	New Zealand Literature (excl. Māori Literature)	420202p	Australian and New Zealand
200506	North American Literature	420203	North American
200507	Pacific Literature	420299p	Literature Studies not elsewhere classified
200508	Other Literatures in English	420299p	Literature Studies not elsewhere classified
200509	Central and Eastern European Literature (incl. Russian)	420209	Russian
		420210p	Other European
200510	Latin and Classical Greek Literature	420205	Latin and Classical Greek
200511	Literature in French	420206	French
		420210p	Other European
200512	Literature in German	420299p	Literature Studies not elsewhere classified
		420207	German
200513	Literature in Italian	420210p	Other European
200514	Literature in Spanish and Portuguese	420208	Italian
		420204	South American
200515	Other European Literature	420210p	Other European
200516	Indonesian Literature	420213	Indonesian
200517	Literature in Chinese	420211	Chinese
200518	Literature in Japanese	420212	Japanese
200519	South-East Asian Literature (excl. Indonesian)	420215p	Other Asian
200520	Indian Literature	420214	Indian
200521	Korean Literature	420215p	Other Asian
200522	Other Asian Literature (excl. South-East Asian)	420215p	Other Asian
200523	Middle Eastern Literature	420215p	Other Asian
		420299p	Literature Studies not elsewhere classified
200524	Comparative Literature Studies	420216	Comparative Literature Studies
200525	Literary Theory	420218	Literary Theory
200526	Stylistics and Textual Analysis	420217	Textual Transmission and the Material Record



**20 LANGUAGE, COMMUNICATION AND CULTURE** *continued*

200599	Literary Studies not elsewhere classified	420219	Stylistics
		420220	Folklore, Myth and Mythologies
		420299p	Literature Studies not elsewhere classified

**2099 OTHER LANGUAGE, COMMUNICATION AND CULTURE**

209999	Language, Communication and Culture not elsewhere classified	409999p	Other Journalism, Librarianship and Curatorial Studies
		429999	Other Language and Culture

**21 HISTORY AND ARCHAEOLOGY**

**2101 ARCHAEOLOGY**

210101	Aboriginal and Torres Strait Islander Archaeology	430201p	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430299p	Archaeology and Prehistory not elsewhere classified
210102	Archaeological Science	430207	Archaeological Science
210103	Archaeology of Asia, Africa and the Americas	430201p	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430202p	Archaeology of Agricultural and Pastoral Societies
		430204p	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
210104	Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)	430202p	Archaeology of Agricultural and Pastoral Societies
		430204p	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
210105	Archaeology of Europe, the Mediterranean and the Levant	430201p	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430202p	Archaeology of Agricultural and Pastoral Societies
		430203	Archaeology of Complex Societies: Europe, the Mediterranean and the Levant
210106	Archaeology of New Guinea and Pacific Islands (excl. New Zealand)	430201p	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430202p	Archaeology of Agricultural and Pastoral Societies
		430204p	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
210107	Archaeology of New Zealand (excl. Māori)	430202p	Archaeology of Agricultural and Pastoral Societies
		430204p	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
210108	Historical Archaeology (incl. Industrial Archaeology)	430205	Historical Archaeology (incl. Industrial Archaeology)
210109	Māori Archaeology	430201p	Archaeology of Hunter-Gatherer Societies (incl. Pleistocene Archaeology)
		430202p	Archaeology of Agricultural and Pastoral Societies
		430204p	Archaeology of Complex Societies: Asia, Africa, Oceania and the Americas
210110	Maritime Archaeology	430206	Maritime Archaeology
210199	Archaeology not elsewhere classified	430299p	Archaeology and Prehistory not elsewhere classified

**2102 CURATORIAL AND RELATED STUDIES**

210201	Archival, Repository and Related Studies	400302	Archival Studies
		400399p	Curatorial Studies not elsewhere classified
210202	Heritage and Cultural Conservation	400399p	Curatorial Studies not elsewhere classified
210203	Materials Conservation	400303	Materials Conservation
210204	Museum Studies	400301	Museum Studies
210299	Curatorial and Related Studies not elsewhere classified	400399p	Curatorial Studies not elsewhere classified

**2103 HISTORICAL STUDIES**

210301	Aboriginal and Torres Strait Islander History	430101p	History: Australian
210302	Asian History	430102	History: Asian
210303	Australian History (excl. Aboriginal and Torres Strait Islander History)	430101p	History: Australian
210304	Biography	430112	Biography
210305	British History	430107	History: British
210306	Classical Greek and Roman History	430110	History: Classical Greek and Roman
210307	European History (excl. British, Classical Greek and Roman)	430108	History: European
210308	Latin American History	430105	History: Latin American
210309	Māori History	430103p	History: Pacific
210310	Middle Eastern and African History	430106	History: African

**21 HISTORY AND ARCHAEOLOGY** *continued*

210311	New Zealand History	430109	History: Middle Eastern
210312	North American History	430103p	History: Pacific
210313	Pacific History (excl. New Zealand and Māori)	430104	History: North American
210399	Historical Studies not elsewhere classified	430103p	History: Pacific
		430111p	History: Other
		430199p	Historical Studies not elsewhere classified

**2199 OTHER HISTORY AND ARCHAEOLOGY**

219999	History and Archaeology not elsewhere classified	409999p	Other Journalism, Librarianship and Curatorial Studies
		439999p	Other History and Archaeology

**22 PHILOSOPHY AND RELIGIOUS STUDIES**

**2201 APPLIED ETHICS**

220101	Bioethics (human and animal)	321213p	Human Bioethics
		440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220102	Business Ethics	440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220103	Ethical Use of New Technology (e.g. Nanotechnology, Biotechnology)	440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220104	Human Rights and Justice Issues	390303p	Human Rights
		440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220105	Legal Ethics	390204	Professional Ethics
220106	Medical Ethics	321213p	Human Bioethics
220107	Professional Ethics (incl. police and research ethics)	440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220199	Applied Ethics not elsewhere classified	440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)

**2202 HISTORY AND PHILOSOPHY OF SPECIFIC FIELDS**

220201	Business and Labour History	430111p	History: Other
		430199p	Historical Studies not elsewhere classified
		439999p	Other History and Archaeology
220202	History and Philosophy of Education	330102	History and Philosophy of Education
220203	History and Philosophy of Engineering and Technology	370601p	History and Philosophy of Science and Technology
220204	History and Philosophy of Law and Justice	390113	Legal History
		399901	History and Philosophy of Law and Justice
220205	History and Philosophy of Medicine	370603	History and Philosophy of Medicine
220206	History and Philosophy of Science (incl. Non-historical Philosophy of Science)	370601p	History and Philosophy of Science and Technology
220207	History and Philosophy of the Humanities	430111p	History: Other
		430199p	Historical Studies not elsewhere classified
		439999p	Other History and Archaeology
		440199p	Philosophy not elsewhere classified
		449999p	Other Philosophy and Religion
220208	History and Philosophy of the Social Sciences	430111p	History: Other
		430199p	Historical Studies not elsewhere classified
		439999p	Other History and Archaeology
		440199p	Philosophy not elsewhere classified
		449999p	Other Philosophy and Religion
220209	History of Ideas	440105p	History of Philosophy and History of Ideas
220210	History of Philosophy	440105p	History of Philosophy and History of Ideas
220299	History and Philosophy of Specific Fields not elsewhere classified	370699	History and Philosophy of Science and Medicine not elsewhere classified

**2203 PHILOSOPHY**

220301	Aesthetics	440101	Aesthetics
220302	Decision Theory	440199p	Philosophy not elsewhere classified
220303	Environmental Philosophy	440104p	Applied Ethics (incl. Bioethics and Environmental Ethics)
220304	Epistemology	440102	Epistemology
220305	Ethical Theory	440103	Ethical Theory
220306	Feminist Theory	440199p	Philosophy not elsewhere classified
220307	Hermeneutic and Critical Theory	440112	Hermeneutic Theory
220308	Logic	440106	Logic
220309	Metaphysics	440107	Metaphysics
220310	Phenomenology	440111	Phenomenology
220311	Philosophical Psychology (incl. Moral Psychology and Philosophy of Action)	440114	Philosophy of Action
220312	Philosophy of Cognition	380301	Philosophy of Cognition
220313	Philosophy of Language	440108	Philosophy of Language
220314	Philosophy of Mind (excl. Cognition)	440109	Philosophy of Mind (excl. Cognition)

**22 PHILOSOPHY AND RELIGIOUS STUDIES** *continued*

220315	Philosophy of Religion	440209	Philosophy of Religion
220316	Philosophy of Specific Cultures (incl. Comparative Philosophy)	440113	Comparative Philosophy
220317	Poststructuralism	440115	Philosophy of Specific Cultures (e.g. Ancient Greek, Chinese)
220318	Psychoanalytic Philosophy	440199p	Philosophy not elsewhere classified
220319	Social Philosophy	440199p	Philosophy not elsewhere classified
220399	Philosophy not elsewhere classified	440110	Social Philosophy
		440199p	Philosophy not elsewhere classified

**2204 RELIGION AND RELIGIOUS STUDIES**

220401	Christian Studies (incl. Biblical Studies and Church History)	440204	Christian Theology (incl. Biblical Studies and Church History)
220402	Comparative Religious Studies	440299p	Religion and Religious Traditions not elsewhere classified
220403	Islamic Studies	440205	Islamic Studies
220404	Jewish Studies	440203	Jewish Studies
220405	Religion and Society	440207	Religion and Society
220406	Studies in Eastern Religious Traditions	440201	Hindu Studies
		440202	Buddhist Studies
220407	Studies in Religious Traditions (excl. Eastern, Jewish, Christian and Islamic Traditions)	440299p	Religion and Religious Traditions not elsewhere classified
220499	Religion and Religious Studies not elsewhere classified	440206	Studies in Other Religious Traditions
		440299p	Religion and Religious Traditions not elsewhere classified

**2299 OTHER PHILOSOPHY AND RELIGIOUS STUDIES**

229999	Philosophy and Religious Studies not elsewhere classified	449999p	Other Philosophy and Religion
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## S E O 1998 - S E O 2008

### 610000 DEFENCE

#### 610100 DEFENCE

610101	Navy	810103p	Command, Control and Communications
		810105p	Intelligence
		810106p	Logistics
		810108	Navy
		810109p	Personnel
610102	Army	810102	Army
		810103p	Command, Control and Communications
		810105p	Intelligence
		810106p	Logistics
		810109p	Personnel
610103	Air Force	810101	Air Force
		810103p	Command, Control and Communications
		810105p	Intelligence
		810106p	Logistics
		810109p	Personnel
610104	Combined Operations	810103p	Command, Control and Communications
		810104p	Emerging Defence Technologies
		810105p	Intelligence
		810106p	Logistics
		810107p	National Security
		810109p	Personnel
610199	Other	810103p	Command, Control and Communications
		810104p	Emerging Defence Technologies
		810105p	Intelligence
		810106p	Logistics
		810107p	National Security
		810109p	Personnel
		810199	Defence not elsewhere classified

### 620000 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS

#### 620100 FIELD CROPS

620101	Wheat	820507	Wheat
620102	Barley	820501	Barley
620103	Rice	820402	Rice
620104	Other Cereals	820401	Maize
		820404	Sorghum
		820506	Oats
620105	Oilseeds	820403	Safflower Seed
		820405	Soybeans
		820502	Canola
		820504	Linseed
620106	Sugar	820304	Sugar
620107	Cotton	820301	Cotton
620108	Grain Legumes	820503	Grain Legumes
620199	Field Crops not elsewhere classified	820302	Essential Oil Crops (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)
		820303	Plant Extract Crops (e.g. Pyrethrum, Jojoba)
		820305	Tobacco
		820399	Industrial Crops not elsewhere classified
		820499	Summer Grains and Oilseeds not elsewhere classified
		820505	Lupins
		820599	Winter Grains and Oilseeds not elsewhere classified
		829902p	Plant Product Traceability and Quality Assurance (excl. Forest Products)
		829999p	Plant Production and Plant Primary Products not elsewhere classified

#### 620200 HORTICULTURAL CROPS

620201	Stone Fruit	820211	Stone Fruit
620202	Pome Fruit	820210	Pome Fruit, Pip Fruit
620203	Citrus	820203	Citrus Fruit
620204	Grapes	820212	Table Grapes
		820306	Wine Grapes
620205	Tropical Fruit	820214	Tropical Fruit
620206	Berry Fruit	820202	Berry Fruit (excl. Kiwifruit)

**620000 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

620207	Tree Nuts	820205	Kiwifruit
		820201	Almonds
		820206	Macadamias
		820213	Tree Nuts (excl. Almonds and Macadamias)
620208	Vegetables	820215	Vegetables
620209	Ornamentals, Australian Natives and Nursery Plants	820209p	Ornamentals, Natives, Flowers and Nursery Plants
620299	Horticultural Crops not elsewhere classified	820204	Hops
		820207	Mushrooms and Truffles
		820208	Olives
		820209p	Ornamentals, Natives, Flowers and Nursery Plants
		820299	Horticultural Crops not elsewhere classified
		829902p	Plant Product Traceability and Quality Assurance (excl. Forest Products)
		829999p	Plant Production and Plant Primary Products not elsewhere classified

**620300 FORESTRY**

620301	Native Forests	820104	Native Forests
620302	Softwood Plantations	820105	Softwood Plantations
620303	Hardwood Plantations	820101	Hardwood Plantations
620304	Harvesting and Transport of Forest Products	820102	Harvesting and Transport of Forest Products
620305	Integration of Farm and Forestry	820103	Integration of Farm and Forestry
620399	Forestry not elsewhere classified	820199	Forestry not elsewhere classified
		829901p	Forest Product Traceability and Quality Assurance
		829999p	Plant Production and Plant Primary Products not elsewhere classified

**620400 PRIMARY PRODUCTS FROM PLANTS**

620401	Fresh Fruit and Vegetables (Post Harvest)	820602	Fresh Fruits and Vegetables (Post Harvest)
620402	Unprocessed Cereals	820605	Unprocessed Grains
		820607	Unprocessed Oilseeds
620403	Tobacco Leaf	820604	Tobacco Leaf
620404	Cotton Lint and Cotton Seed	820601	Cotton Lint and Cotton Seed
620499	Primary Plant Products not elsewhere classified	820603	Sugar Cane (Cut for Crushing)
		820606	Unprocessed Industrial Crops (excl. Sugar, Tobacco and Cotton)
		820699	Harvesting and Packing of Plant Products not elsewhere classified
		829901p	Forest Product Traceability and Quality Assurance
		829902p	Plant Product Traceability and Quality Assurance (excl. Forest Products)
		829999p	Plant Production and Plant Primary Products not elsewhere classified

**620500 SUSTAINABLE PLANT PRODUCTION SYSTEMS**

620501	Field Crops	829801p	Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
		829802p	Management of Greenhouse Gas Emissions from Plant Production
		829803p	Management of Liquid Waste from Plant Production (excl. Water)
		829804p	Management of Solid Waste from Plant Production
		829805p	Management of Water Consumption by Plant Production
		829899p	Environmentally Sustainable Plant Production not elsewhere classified
		960403p	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
		960413p	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
		961402p	Farmland, Arable Cropland and Permanent Cropland Soils
620502	Horticultural Crops	829801p	Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
		829802p	Management of Greenhouse Gas Emissions from Plant Production
		829803p	Management of Liquid Waste from Plant Production (excl. Water)

**620000 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

	829804p	Management of Solid Waste from Plant Production
	829805p	Management of Water Consumption by Plant Production
	829899p	Environmentally Sustainable Plant Production not elsewhere classified
	960403p	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
	960413p	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
620503	Forestry	961402p Farmland, Arable Cropland and Permanent Cropland Soils
	829801p	Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
	829802p	Management of Greenhouse Gas Emissions from Plant Production
	829803p	Management of Liquid Waste from Plant Production (excl. Water)
	829804p	Management of Solid Waste from Plant Production
	829805p	Management of Water Consumption by Plant Production
	829899p	Environmentally Sustainable Plant Production not elsewhere classified
	960404p	Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments
	960414p	Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments
620504	Primary Products from Plants	961403p Forest and Woodlands Soils
	829801p	Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
	829802p	Management of Greenhouse Gas Emissions from Plant Production
	829803p	Management of Liquid Waste from Plant Production (excl. Water)
	829804p	Management of Solid Waste from Plant Production
	829805p	Management of Water Consumption by Plant Production
	829899p	Environmentally Sustainable Plant Production not elsewhere classified

**630000 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS**

**630100 LIVESTOCK**

630101	Sheep - Meat	830310	Sheep - Meat
630102	Sheep - Wool	830311	Sheep - Wool
630103	Beef Cattle	830301	Beef Cattle
630104	Dairy Cattle	830302	Dairy Cattle
630105	Pigs	830308	Pigs
630106	Poultry	830309	Poultry
630107	Minor Livestock (e.g. Horses, Goats, Deer)	830303	Deer
		830304	Goats
		830305p	Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)
		830306	Horses
		830307	Minor Livestock (e.g. Alpacas, Ostriches, Crocodiles, Farmed Rabbits)
630199	Livestock not elsewhere classified	830305p	Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)
		830399	Livestock Raising not elsewhere classified
		839901p	Animal Welfare
		839903p	Livestock Product Traceability and Quality Assurance
		839999p	Animal Production and Animal Primary Products not elsewhere classified

**630200 PASTURE, BROWSE AND FODDER CROPS**

630201	Sown Legumes	830402	Lucerne
		830499p	Pasture, Browse and Fodder Crops not elsewhere classified
630202	Sown Grasses	830406	Sown Pastures (excl. Lucerne)
630203	Browse Crops	830401	Browse Crops
630204	Fodder Crops	830404	Non-Cereal Crops for Hay
		830405	Non-Cereal Crops for Silage/Green Feed

**630000 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS** *continued*

- |        |                   |         |  |
|--------|-------------------|---------|--|
| 630205 | Native Vegetation | 830403  | Native and Residual Pastures   |
| 630299 | Other             | 830499p | Pasture, Browse and Fodder Crops not elsewhere classified              |
|        |                   | 830499p | Pasture, Browse and Fodder Crops not elsewhere classified              |
|        |                   | 839999p | Animal Production and Animal Primary Products not elsewhere classified |

**630300 FISH**

- |        |                               |         |  |
|--------|-------------------------------|---------|--|
| 630301 | Fisheries - Commercial        | 830202  | Wild Caught Crustaceans (excl. Rock Lobster and Prawns)                |
|        |                               | 830203  | Wild Caught Edible Molluscs  |
|        |                               | 830204  | Wild Caught Fin Fish (excl. Tuna)                                      |
|        |                               | 830205  | Wild Caught Prawns   |
|        |                               | 830206  | Wild Caught Rock Lobster   |
|        |                               | 830207  | Wild Caught Tuna   |
|        |                               | 830299p | Fisheries - Wild Caught not elsewhere classified                       |
| 630302 | Fisheries - Recreational      | 830201  | Fisheries - Recreational   |
| 630303 | Aquaculture                   | 830101  | Aquaculture Crustaceans (excl. Rock Lobster and Prawns)                |
|        |                               | 830102  | Aquaculture Fin Fish (excl. Tuna)                                      |
|        |                               | 830103  | Aquaculture Molluscs (excl. Oysters)                                   |
|        |                               | 830104  | Aquaculture Oysters  |
|        |                               | 830105  | Aquaculture Prawns   |
|        |                               | 830106  | Aquaculture Rock Lobster   |
|        |                               | 830107  | Aquaculture Tuna   |
|        |                               | 830199  | Fisheries - Aquaculture not elsewhere classified                       |
| 630399 | Fish not elsewhere classified | 830299p | Fisheries - Wild Caught not elsewhere classified                       |
|        |                               | 839901p | Animal Welfare   |
|        |                               | 839902p | Fish Product Traceability and Quality Assurance                        |
|        |                               | 839999p | Animal Production and Animal Primary Products not elsewhere classified |

**630400 PRIMARY PRODUCTS FROM ANIMALS**

- |        |  |         |  |
|--------|--|---------|--|
| 630401 | Minimally Processed Fish                         | 830506p | Unprocessed or Minimally Processed Fish                                |
| 630402 | Minimally Processed Milk                         | 830507p | Unprocessed or Minimally Processed Milk                                |
| 630403 | Raw Wool   | 830505  | Raw Wool   |
| 630404 | Hides and skins                                  | 830599p | Primary Animal Products not elsewhere classified                       |
| 630499 | Primary Animal Products not elsewhere classified | 830501  | Eggs   |
|        |  | 830502  | Honey  |
|        |  | 830503  | Live Animals   |
|        |  | 830504  | Pearls   |
|        |  | 830506p | Unprocessed or Minimally Processed Fish                                |
|        |  | 830507p | Unprocessed or Minimally Processed Milk                                |
|        |  | 830599p | Primary Animal Products not elsewhere classified                       |
|        |  | 839901p | Animal Welfare   |
|        |  | 839902p | Fish Product Traceability and Quality Assurance                        |
|        |  | 839903p | Livestock Product Traceability and Quality Assurance                   |
|        |  | 839999p | Animal Production and Animal Primary Products not elsewhere classified |

**630500 SUSTAINABLE ANIMAL PRODUCTION SYSTEMS**

- |        |                                  |         |   |
|--------|----------------------------------|---------|---|
| 630501 | Livestock                        | 839801p | Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)   |
|        |                                  | 839802p | Management of Greenhouse Gas Emissions from Animal Production   |
|        |                                  | 839803p | Management of Liquid Waste from Animal Production (excl. Water)   |
|        |                                  | 839804p | Management of Solid Waste from Animal Production  |
|        |                                  | 839805p | Management of Water Consumption by Animal Production  |
|        |                                  | 839899p | Environmentally Sustainable Animal Production not elsewhere classified  |
|        |                                  | 960403p | Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments |
|        |                                  | 960410p | Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments           |
|        |                                  | 960413p | Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments  |
| 630502 | Pasture, Browse and Fodder Crops | 839801p | Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)   |

**630000 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS** *continued*

		839802p	Management of Greenhouse Gas Emissions from Animal Production
		839803p	Management of Liquid Waste from Animal Production (excl. Water)
		839804p	Management of Solid Waste from Animal Production
		839805p	Management of Water Consumption by Animal Production
		839899p	Environmentally Sustainable Animal Production not elsewhere classified
		960403p	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
		960410p	Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments
		960413p	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
630503	Fish	839801p	Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)
		839802p	Management of Greenhouse Gas Emissions from Animal Production
		839803p	Management of Liquid Waste from Animal Production (excl. Water)
		839804p	Management of Solid Waste from Animal Production
		839805p	Management of Water Consumption by Animal Production
		839899p	Environmentally Sustainable Animal Production not elsewhere classified
		960402p	Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
		960407p	Control of Pests, Diseases and Exotic Species in Marine Environments
		960412p	Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
630504	Primary Products from Animals	839801p	Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)
		839802p	Management of Greenhouse Gas Emissions from Animal Production
		839803p	Management of Liquid Waste from Animal Production (excl. Water)
		839804p	Management of Solid Waste from Animal Production
		839805p	Management of Water Consumption by Animal Production
		839899p	Environmentally Sustainable Animal Production not elsewhere classified

**640000 MINERAL RESOURCES (EXCL. ENERGY)**

**640100 EXPLORATION**

640101	Iron Ores (i.e. Ferrous Ores)	840104	Iron Ore Exploration
640102	Aluminium Ores	840101	Aluminium Ore Exploration
640103	Precious (Noble) Metal Ores	840105	Precious (Noble) Metal Ore Exploration
640104	Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)	840107	Titanium Minerals, Zircon, and Rare Earth Metal Ore (e.g. Monazite) Exploration
640105	Other Non-Ferrous Ores (e.g. Copper, Zinc)	840102	Copper Ore Exploration
		840108	Zinc Ore Exploration
		840199p	Mineral Exploration not elsewhere classified
		849999p	Mineral Resources (excl. Energy Resources) not elsewhere classified
640106	Stone and Clay	840106	Stone and Clay Exploration
640199	Other Non-Metallic Minerals (incl. Diamonds)	840103	Diamond Exploration
		840199p	Mineral Exploration not elsewhere classified
		849999p	Mineral Resources (excl. Energy Resources) not elsewhere classified



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### 640200 PRIMARY MINING AND EXTRACTION PROCESSES

640201	Iron Ores (i.e. Ferrous Ores)	840204	Mining and Extraction of Iron Ores
640202	Aluminium Ores	840201	Mining and Extraction of Aluminium Ores
640203	Precious (Noble) Metal Ores	840205	Mining and Extraction of Precious (Noble) Metal Ores
640204	Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)	840207	Mining and Extraction of Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)
640205	Other Non-Ferrous Ores (e.g. Copper, Zinc)	840202	Mining and Extraction of Copper Ores
		840208	Mining and Extraction of Zinc Ores
		840299p	Primary Mining and Extraction of Mineral Resources not elsewhere classified
		849999p	Mineral Resources (excl. Energy Resources) not elsewhere classified
640206	Stone and Clay	840206	Mining and Extraction of Stone and Clay
640299	Other Non-Metallic Minerals (incl. Diamonds)	840203	Mining and Extraction of Diamonds
		840299p	Primary Mining and Extraction of Mineral Resources not elsewhere classified
		849999p	Mineral Resources (excl. Energy Resources) not elsewhere classified

### 640300 FIRST STAGE TREATMENT OF ORES AND MINERALS

640301	Beneficiation or Dressing of Iron Ores	840303	Beneficiation or Dressing of Iron Ores
640302	Alumina Production	840301	Alumina Production
640303	Other Beneficiation of Bauxite and Aluminium Ores	840302	Beneficiation of Bauxite and Aluminium Ores (excl. Alumina Production)
640304	Concentrating Processes of Other Base Metal Ores	840305	Concentrating Processes of Base Metal Ores (excl. Aluminium and Iron Ores)
640305	Production of Unrefined Precious Metal Ingots and Concentrates	840306	Production of Unrefined Precious Metal Ingots and Concentrates
640306	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)	840304	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)
640399	Other	840399	First Stage Treatment of Ores and Minerals not elsewhere classified
		849999p	Mineral Resources (excl. Energy Resources) not elsewhere classified

### 640400 PREVENTION AND TREATMENT OF POLLUTION

640401	Exploration	849801p	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)
		849802p	Management of Greenhouse Gas Emissions from Mineral Resource Activities
		849803p	Management of Liquid Waste from Mineral Resource Activities (excl. Water)
		849804p	Management of Solid Waste from Mineral Resource Activities
		849805p	Management of Water Consumption by Mineral Resource Activities
		849899p	Environmentally Sustainable Mineral Resource Activities not elsewhere classified
640402	Primary Mining and Extraction Processes	849801p	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)
		849802p	Management of Greenhouse Gas Emissions from Mineral Resource Activities
		849803p	Management of Liquid Waste from Mineral Resource Activities (excl. Water)
		849804p	Management of Solid Waste from Mineral Resource Activities
		849805p	Management of Water Consumption by Mineral Resource Activities
		849899p	Environmentally Sustainable Mineral Resource Activities not elsewhere classified
640403	First Stage Treatment of Ores and Minerals	849801p	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)
		849802p	Management of Greenhouse Gas Emissions from Mineral Resource Activities
		849803p	Management of Liquid Waste from Mineral Resource Activities (excl. Water)
		849804p	Management of Solid Waste from Mineral Resource Activities

**640000 MINERAL RESOURCES (EXCL. ENERGY) *continued***

- 849805p Management of Water Consumption by Mineral Resource Activities
- 849899p Environmentally Sustainable Mineral Resource Activities not elsewhere classified

**650000 ENERGY RESOURCES**

**650100 EXPLORATION**

- |        |                         |        |   |
|--------|-------------------------|--------|---|
| 650101 | Uranium                 | 850105 | Uranium Exploration                         |
| 650102 | Coal                    | 850101 | Coal Exploration                            |
| 650103 | Oil and Gas             | 850103 | Oil and Gas Exploration                     |
| 650104 | Oil Shale and Tar Sands | 850104 | Oil Shale and Tar Sands Exploration         |
| 650199 | Other                   | 850102 | Geothermal Exploration                      |
|        |                         | 850199 | Energy Exploration not elsewhere classified |

**650200 MINING AND EXTRACTION**

- |        |                         |        |  |
|--------|-------------------------|--------|--|
| 650201 | Uranium                 | 850205 | Uranium Mining and Extraction                                      |
| 650202 | Coal                    | 850201 | Coal Mining and Extraction   |
| 650203 | Oil and Gas             | 850203 | Oil and Gas Extraction   |
| 650204 | Oil Shale and Tar Sands | 850204 | Oil Shale and Tar Sands Mining and Extraction                      |
| 650299 | Other                   | 850202 | Geothermal Energy Extraction                                       |
|        |                         | 850299 | Mining and Extraction of Energy Resources not elsewhere classified |

**650300 PREPARATION AND SUPPLY OF ENERGY SOURCE MINERALS**

- |        |  |         |   |
|--------|--|---------|---|
| 650301 | Uranium                                  | 850308  | Preparation of Uranium  |
| 650302 | Coal                                     | 850305  | Preparation of Black Coal   |
|        |  | 850306  | Preparation of Brown Coal (Lignite)                                   |
| 650303 | Oil and Gas                              | 850304p | Oil and Gas Refining  |
| 650304 | Oil Shale and Tar Sands                  | 850307  | Preparation of Oil Shale and Tar Sands                                |
| 650399 | Energy Minerals not elsewhere classified | 850399  | Preparation and Production of Energy Sources not elsewhere classified |

**650400 PREVENTION AND TREATMENT OF POLLUTION**

- |        |  |         |  |
|--------|--|---------|--|
| 650401 | Exploration                                      | 859801p | Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)                  |
|        |  | 859803p | Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation) |
|        |  | 859804p | Management of Liquid Waste from Energy Activities (excl. Water)                              |
|        |  | 859805p | Management of Solid Waste from Energy Activities   |
|        |  | 859806p | Management of Water Consumption by Energy Activities   |
|        |  | 859899p | Environmentally Sustainable Energy Activities not elsewhere classified                       |
| 650402 | Mining and Extraction                            | 859801p | Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)                  |
|        |  | 859803p | Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation) |
|        |  | 859804p | Management of Liquid Waste from Energy Activities (excl. Water)                              |
|        |  | 859805p | Management of Solid Waste from Energy Activities   |
|        |  | 859806p | Management of Water Consumption by Energy Activities   |
|        |  | 859899p | Environmentally Sustainable Energy Activities not elsewhere classified                       |
| 650403 | Preparation and Supply of Energy Source Minerals | 859801p | Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)                  |
|        |  | 859803p | Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation) |
|        |  | 859804p | Management of Liquid Waste from Energy Activities (excl. Water)                              |
|        |  | 859805p | Management of Solid Waste from Energy Activities   |
|        |  | 859806p | Management of Water Consumption by Energy Activities   |
|        |  | 859899p | Environmentally Sustainable Energy Activities not elsewhere classified                       |

**659900 OTHER**

659999 Other (e.g. Safety)

850301 Hydrogen Production from Fossil Fuels  
 850302 Hydrogen Production from Nuclear Energy  
 850303 Hydrogen Production from Renewable Energy  
 850309 Production of Biofuels (Biomass)  
 859999p Energy not elsewhere classified

**660000 ENERGY SUPPLY**

**660100 ENERGY TRANSFORMATION**

660101 Coal - Electricity  
 660102 Coal - Conversion to Liquids  
 660103 Coal - Other Purposes  
 660104 Nuclear  
 660105 Refined Oil and Gas  
 660106 Gas - Conversion to Liquid Fuels  
 660107 Oil Shale and Tar Sands - Conversion to Liquid Fuels  
 660199 Energy Transformation not elsewhere classified

850405 Transformation of Black Coal into Electricity  
 850406 Transformation of Brown Coal (Lignite) into Electricity  
 850408 Transformation of Coal into Liquid Fuels  
 850407 Transformation of Coal into Gaseous Fuels  
 850499p Energy Transformation not elsewhere classified  
 850403 Nuclear Energy  
 850304p Oil and Gas Refining  
 850409 Transformation of Gas into Electricity  
 850410 Transformation of Gas into Liquid Fuels  
 850499p Energy Transformation not elsewhere classified  
 850401 Fuel Cells (excl. Solid Oxide)  
 850402 Hydrogen-based Energy Systems (incl. Internal Hydrogen Combustion Engines)  
 850404 Solid Oxide Fuel Cells  
 850499p Energy Transformation not elsewhere classified

**660200 RENEWABLE ENERGY**

660201 Hydro-Electric  
 660202 Wind  
 660203 Ocean  
 660204 Solar-Thermal  
 660205 Solar-Photoelectric  
 660206 Solar-Thermal Electric  
 660299 Renewable Energy not elsewhere classified (e.g. Geothermal)

850503 Hydro-Electric Energy  
 850509 Wind Energy  
 850507 Tidal Energy  
 850508 Wave Energy  
 850506 Solar-Thermal Energy  
 850504 Solar-Photovoltaic Energy  
 850505 Solar-Thermal Electric Energy  
 850501 Biofuel (Biomass) Energy  
 850502 Geothermal Energy  
 850599 Renewable Energy not elsewhere classified

**660300 ENERGY STORAGE AND DISTRIBUTION**

660301 Electricity Transmission  
 660302 Gas Distribution  
 660303 Energy Storage  
 660304 Energy Systems Analysis  
 660399 Energy Distribution not elsewhere classified

850604p Energy Transmission and Distribution (excl. Hydrogen)  
 850604p Energy Transmission and Distribution (excl. Hydrogen)  
 850602 Energy Storage (excl. Hydrogen)  
 850606 Hydrogen Storage  
 850603 Energy Systems Analysis  
 850605 Hydrogen Distribution  
 850699 Energy Storage, Distribution and Supply not elsewhere classified

**660400 CONSERVATION AND EFFICIENCY**

660401 Industry  
 660402 Residential and Commercial  
 660403 Transport  
 660499 Other

850703 Industrial Energy Conservation and Efficiency  
 850701 Commercial Energy Conservation and Efficiency  
 850704 Residential Energy Conservation and Efficiency  
 850702 Energy Conservation and Efficiency in Transport  
 850799 Energy Conservation and Efficiency not elsewhere classified

**660500 PREVENTION AND TREATMENT OF POLLUTION**

660501 Energy Transformation  
 660502 Renewable Energy

859801p Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)  
 859802p Management of Greenhouse Gas Emissions from Electricity Generation  
 859804p Management of Liquid Waste from Energy Activities (excl. Water)  
 859805p Management of Solid Waste from Energy Activities  
 859806p Management of Water Consumption by Energy Activities  
 859899p Environmentally Sustainable Energy Activities not elsewhere classified  
 859801p Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)

**660000 ENERGY SUPPLY** *continued*

		859802p	Management of Greenhouse Gas Emissions from Electricity Generation
		859804p	Management of Liquid Waste from Energy Activities (excl. Water)
		859805p	Management of Solid Waste from Energy Activities
		859806p	Management of Water Consumption by Energy Activities
		859899p	Environmentally Sustainable Energy Activities not elsewhere classified
660503	Energy Storage and Distribution	859801p	Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)
		859803p	Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)
		859804p	Management of Liquid Waste from Energy Activities (excl. Water)
		859805p	Management of Solid Waste from Energy Activities
		859806p	Management of Water Consumption by Energy Activities
		859899p	Environmentally Sustainable Energy Activities not elsewhere classified
660504	Conservation and Efficiency	859801p	Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)
		859803p	Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)
		859804p	Management of Liquid Waste from Energy Activities (excl. Water)
		859805p	Management of Solid Waste from Energy Activities
		859806p	Management of Water Consumption by Energy Activities
		859899p	Environmentally Sustainable Energy Activities not elsewhere classified

**669900 OTHER**

669999	Other	859999p	Energy not elsewhere classified
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**670000 MANUFACTURING**

**670100 PROCESSED FOOD PRODUCTS AND BEVERAGES**

670101	Carcass Meat	860103	Carcass Meat (incl. Fish and Seafood)
670102	Meat Products	860109	Processed Meat Products
670103	Fish Products	860107	Processed Fish and Seafood Products
670104	Fruit and Vegetable Products (incl. Fruit Juices)	860108	Processed Fruit and Vegetable Products (incl. Fruit Juices)
670105	Dairy Products	860201	Butter and Milk-Derived Fats and Oils (excl. Cream)
		860202	Casein
		860203	Cheese
		860204	Processed Milk and Cream (incl. Powder, Evaporated and Condensed)
		860205	Whey
		860299	Dairy Products not elsewhere classified
670106	Oils and Fats (incl. Margarines)	860106	Oils and Fats (incl. Margarines)
670107	Grain Mill Products, Starch and Starch Products (incl. Sugar, Bakery Products)	860101	Bakery Products
		860104	Flour Mill and Cereal Food
		860111	Sugar and Confectionery Products
670108	Beverages (e.g. Alcohol, Wines, Soft Drinks, excl. Fruit Juices)	860102	Beverages (excl. Fruit Juices)
670199	Processed Food Products and Beverages not elsewhere classified	860105	Nutraceuticals and Functional foods
		860110	Soy Products
		860199	Processed Food Products and Beverages (excl. Dairy Products) not elsewhere classified

**670200 FIBRE PROCESSING AND TEXTILES; FOOTWEAR AND LEATHER PRODUCTS**

670201	Cotton Ginning	860402	Cotton Ginning
670202	Wool Scouring and Top Making	860407	Wool Scouring and Top Making
670203	Natural Fibres, Yarns and Fabrics	860403	Natural Fibres, Yarns and Fabrics
670204	Synthetic Fibres, Yarns and Fabrics	860406	Synthetic Fibres, Yarns and Fabrics
670205	Other Fibre Processing and Textiles	860404	Non-Fabric Textiles (e.g. Felt)
		860499p	Leather Products, Fibre Processing and Textiles not elsewhere classified

**670000 MANUFACTURING** *continued*

670206	Processed Skins, Leather and Leather Products not elsewhere classified	860405	Processed Skins, Leather and Leather Products
670207	Clothing	860401	Clothing
670208	Footwear	860499p	Leather Products, Fibre Processing and Textiles not elsewhere classified
670299	Other	860499p	Leather Products, Fibre Processing and Textiles not elsewhere classified

**670300 WOOD, WOOD PRODUCTS AND PAPER**

670301	Hardwood Sawing and Veneer	860505p	Wood Sawing and Veneer
670302	Softwood Sawing and Veneer	860505p	Wood Sawing and Veneer
670303	Pulp and Paper	860503	Pulp and Paper
670304	Reconstituted Timber Products (e.g. Chipboard, Particleboard)	860504	Reconstituted Timber Products (e.g. Chipboard, Particleboard)
670305	Woodchips	860599p	Wood, Wood Products and Paper not elsewhere classified
670306	Wood Products not elsewhere classified	860599p	Wood, Wood Products and Paper not elsewhere classified
670307	Paper Products	860501p	Paper Products (incl. Coated Paper)
670308	Printing and Publishing Processes	860502	Printing and Publishing Processes
670399	Other	860501p	Paper Products (incl. Coated Paper)
		860599p	Wood, Wood Products and Paper not elsewhere classified

**670400 HUMAN PHARMACEUTICAL PRODUCTS**

670401	Prevention - Biologicals (e.g. Vaccines)	860801	Human Biological Preventatives (e.g. Vaccines)
670402	Diagnostics	860802	Human Diagnostics
670403	Treatments (e.g. Chemicals, Antibiotics)	860803	Human Pharmaceutical Treatments (e.g. Antibiotics)
670499	Other	860899	Human Pharmaceutical Products not elsewhere classified

**670500 VETERINARY PHARMACEUTICAL PRODUCTS**

670501	Prevention - Biologicals (e.g. Vaccines)	860901	Veterinary Biological Preventatives (e.g. Vaccines)
670502	Diagnostics	860902	Veterinary Diagnostics
670503	Treatments (e.g. Chemicals, Antibiotics)	860903	Veterinary Pharmaceutical Treatments (e.g. Antibiotics)
670599	Other (incl. Production Enhancement)	860999	Veterinary Pharmaceutical Products not elsewhere classified

**670600 AGRICULTURAL CHEMICALS**

670601	Chemical Fertilisers	860702	Chemical Fertilisers
670602	Crop and Animal Protection Chemicals	860701	Animal Protection Chemicals
		860703	Crop Protection Chemicals
670699	Agricultural Chemicals not elsewhere classified	860799	Agricultural Chemicals not elsewhere classified

**670700 INDUSTRIAL CHEMICALS AND RELATED PRODUCTS**

670701	Industrial Gases	860601	Industrial Gases
670702	Synthetic Resins and Rubber	860608p	Rubber and Synthetic Resins
670703	Rubber Products	860608p	Rubber and Synthetic Resins
670704	Plastics in Primary Forms	860606	Plastics in Primary Forms
670705	Plastic Products (incl. Construction Materials)	860607	Plastic Products (incl. Construction Materials)
670706	Organic Industrial Chemicals not elsewhere classified	860604	Organic Industrial Chemicals (excl. Resins, Rubber and Plastics)
670707	Inorganic Industrial Chemicals	860602	Inorganic Industrial Chemicals
670708	Paints	860605	Paints
670709	Soaps and Cosmetics	860609	Soaps and Cosmetics
670710	Bituminous Products	860699p	Industrial Chemicals and Related Products not elsewhere classified
670711	Lubricants	860603	Lubricants
670799	Other	860699p	Industrial Chemicals and Related Products not elsewhere classified

**670800 BASIC METAL PRODUCTS (INCL. SMELTING)**

670801	Iron and Steel (e.g. Ingots, Bars, Rods, Shapes and Sections)	861103	Basic Iron and Steel Products
670802	Aluminium	861101	Basic Aluminium Products
670803	Precious Metals (e.g. Refined Bullion, Wire and Strip)	861104	Basic Precious Metal Products
670899	Other Non-Ferrous Metals (e.g. Copper, Zinc)	861102	Basic Copper Products
		861105	Basic Zinc Products
		861199	Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding) not elsewhere classified

**670900 CERAMICS, GLASS AND INDUSTRIAL MINERAL PRODUCTS**

670901	Ceramics	861002	Ceramics
670902	Structural Glass and Glass Products	861005	Structural Glass and Glass Products
670903	Clay Products	861003	Clay Products
670904	Cement and Concrete Materials	861001	Cement Products and Concrete Materials
670999	Ceramics, Glass and Industrial Mineral Products not elsewhere classified	861004	Plaster and Plaster Products
		861099	Ceramics, Glass and Industrial Mineral Products not elsewhere classified

**671000 FABRICATED METAL PRODUCTS**

671001	Structural Metal Products	861206	Structural Metal Products
671002	Sheet Metal Products	861205	Sheet Metal Products
671003	Semi-Finished Metal Products	861204	Semi-Finished Metal Products
671004	Castings	861203	Metal Castings
671005	Machined Products	861202	Machined Metal Products
671099	Fabricated Metal Products not elsewhere classified	861201	Coated Metal and Metal-Coated Products
		861299	Fabricated Metal Products not elsewhere classified

**671100 TRANSPORT EQUIPMENT**

671101	Automotive Equipment	861302	Automotive Equipment
671102	Rail Equipment	861304	Rail Equipment
671103	Nautical Equipment	861303	Nautical Equipment (excl. Yachts)
		861305	Yachts
671104	Aerospace Equipment	861301	Aerospace Equipment
671199	Transport Equipment not elsewhere classified	861399	Transport Equipment not elsewhere classified

**671200 COMPUTER HARDWARE AND ELECTRONIC EQUIPMENT**

671201	Integrated Circuits and Devices	861603	Integrated Circuits and Devices
671202	Modules - Special and Attached Processors	861605p	Processor Modules
671203	Modules - Other Processes	861605p	Processor Modules
671204	Electronic Office Equipment	861601p	Computer and Electronic Office Equipment
671205	Computer Equipment	861601p	Computer and Electronic Office Equipment
671206	Integrated Systems	861604	Integrated Systems
671299	Computer Hardware and Electronic Equipment not elsewhere classified	861602	Consumer Electronic Equipment (excl. Communication Equipment)
		861606	Satellite Navigation Equipment
		861699	Computer Hardware and Electronic Equipment not elsewhere classified

**671300 COMMUNICATION EQUIPMENT**

671301	Broadcasting Equipment	861799p	Communication Equipment not elsewhere classified
671302	Postal Equipment	861799p	Communication Equipment not elsewhere classified
671303	Voice Equipment	861703p	Voice and Data Equipment
671304	Data, Image and Text Equipment	861703p	Voice and Data Equipment
671305	Network Transmission Equipment	861701p	Network Infrastructure Equipment
671306	Network Switching Equipment	861701p	Network Infrastructure Equipment
671399	Communication Equipment not elsewhere classified	861702	Telemetry Equipment
		861799p	Communication Equipment not elsewhere classified

**671400 INSTRUMENTATION**

671401	Scientific Instrumentation	861503	Scientific Instruments
671402	Medical Instrumentation	861502	Medical Instruments
671403	Industrial Instrumentation	861501	Industrial Instruments
671404	Photographic Equipment	861599p	Instrumentation not elsewhere classified
671499	Instrumentation not elsewhere classified	861599p	Instrumentation not elsewhere classified

**671500 MACHINERY AND EQUIPMENT**

671501	Agricultural Machinery and Equipment	861401	Agricultural Machinery and Equipment
671502	Mining Machinery and Equipment	861404	Mining Machinery and Equipment
671503	Appliances and Electrical Machinery and Equipment	861402	Appliances and Electrical Machinery and Equipment
671504	Industrial Machinery and Equipment	861403	Industrial Machinery and Equipment
671505	Construction Machinery and Equipment	861499p	Machinery and Equipment not elsewhere classified
671599	Machinery and Equipment not elsewhere classified	861499p	Machinery and Equipment not elsewhere classified

**671600 OTHER MANUFACTURED PRODUCTS**

671601	Tobacco Products	860399p	Processed Non-Food Agricultural Products (excl. Wood, Paper and Fibre) not elsewhere classified
671602	Furniture	869901	Furniture
671603	Prefabricated Buildings	869999p	Manufacturing not elsewhere classified
671699	Manufactured Products not elsewhere classified	860301	Essential Oils (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)
		860302	Organic Fertilisers
		860303	Plant Extracts (e.g. Pyrethrum, Alkaloids, Jojoba Oil)
		860304	Prepared Animal Feed
		860399p	Processed Non-Food Agricultural Products (excl. Wood, Paper and Fibre) not elsewhere classified
		869999p	Manufacturing not elsewhere classified

**671700 PREVENTION AND TREATMENT OF POLLUTION**

671701	Processed Food Products and Beverages	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671702	Fibre Processing and Textiles; Footwear and Leather Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671703	Wood, Wood Products and Paper	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671704	Human Pharmaceutical Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671705	Veterinary Pharmaceutical Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities

**SEO 1998-SEO 2008** *continued*

**670000 MANUFACTURING** *continued*

		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671706	Agricultural Chemicals	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671707	Industrial Chemicals and Related Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671708	Basic Metal Products (incl. Smelting)	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671709	Ceramics, Glass and Industrial Mineral Products not elsewhere classified	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671710	Fabricated Metal Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671711	Transport Equipment	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified



## SEO 1998-SEO 2008 *continued*

### 670000 MANUFACTURING *continued*

671712	Computer Hardware and Electronic Equipment	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671713	Communication Equipment	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671714	Instrumentation	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671715	Machinery and Equipment	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified
671716	Other Manufactured Products	869801p	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
		869802p	Management of Greenhouse Gas Emissions from Manufacturing Activities
		869803p	Management of Liquid Waste from Manufacturing Activities (excl. Water)
		869804p	Management of Solid Waste from Manufacturing Activities
		869805p	Management of Water Consumption by Manufacturing Activities
		869899p	Environmentally Sustainable Manufacturing not elsewhere classified

### 680000 CONSTRUCTION

#### 680100 PLANNING

680101	Housing	870104	Residential Construction Planning
680102	Commercial	870102	Commercial Construction Planning
680103	Civil	870101	Civil Construction Planning
680104	Industrial	870199p	Construction Planning not elsewhere classified
680199	Other	870103p	Regional Planning
		870105p	Urban Planning
		870199p	Construction Planning not elsewhere classified
		879999p	Construction not elsewhere classified

## SEO 1998-SEO 2008 *continued*

### 680200 DESIGN

680201	Housing	870204	Residential Construction Design
680202	Commercial	870202	Commercial Construction Design
680203	Civil	870201	Civil Construction Design
680204	Industrial	870203	Industrial Construction Design
680299	Other	870299	Construction Design not elsewhere classified
		879999p	Construction not elsewhere classified

### 680300 MATERIALS PERFORMANCE AND PROCESSES

680301	Stone, Ceramics and Clay Materials	870304	Stone, Ceramics and Clay Materials
680302	Cement and Concrete Materials	870301	Cement and Concrete Materials
680303	Polymeric Materials (e.g. Paints)	870303	Polymeric Materials (e.g. Paints)
680304	Timber Materials	870305	Timber Materials
680305	Metals (Composites, Coatings, Bonding, etc.)	870302	Metals (e.g. Composites, Coatings, Bonding)
680399	Other	870399	Construction Materials Performance and Processes not elsewhere classified
		879999p	Construction not elsewhere classified

### 680400 CONSTRUCTION PROCESSES

680401	Housing	870404	Residential Construction Processes
680402	Commercial	870402	Commercial Construction Processes
680403	Civil	870401	Civil Construction Processes
680404	Industrial	870403	Industrial Construction Processes
680499	Other	870499	Construction Processes not elsewhere classified
		879999p	Construction not elsewhere classified

### 680500 BUILDING MANAGEMENT AND SERVICES

680501	Housing	870503	Residential Building Management and Services
680502	Commercial	870502	Commercial Building Management and Services
680503	Civil	870501	Civil Building Management and Services
680504	Industrial	870599p	Building Management and Services not elsewhere classified
680599	Other	870599p	Building Management and Services not elsewhere classified
		879999p	Construction not elsewhere classified

### 680600 PREVENTION AND TREATMENT OF POLLUTION

680601	Planning	879801p	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
		879802p	Management of Greenhouse Gas Emissions from Construction Activities
		879803p	Management of Liquid Waste from Construction Activities (excl. Water)
		879804p	Management of Solid Waste from Construction Activities
		879805p	Management of Water Consumption by Construction Activities
		879899p	Environmentally Sustainable Construction not elsewhere classified
680602	Design	879801p	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
		879802p	Management of Greenhouse Gas Emissions from Construction Activities
		879803p	Management of Liquid Waste from Construction Activities (excl. Water)
		879804p	Management of Solid Waste from Construction Activities
		879805p	Management of Water Consumption by Construction Activities
		879899p	Environmentally Sustainable Construction not elsewhere classified
680603	Materials Performance and Processes	879801p	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
		879802p	Management of Greenhouse Gas Emissions from Construction Activities
		879803p	Management of Liquid Waste from Construction Activities (excl. Water)
		879804p	Management of Solid Waste from Construction Activities
		879805p	Management of Water Consumption by Construction Activities
		879899p	Environmentally Sustainable Construction not elsewhere classified

**680000 CONSTRUCTION** *continued*

680604	Construction Processes	879801p	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
		879802p	Management of Greenhouse Gas Emissions from Construction Activities
		879803p	Management of Liquid Waste from Construction Activities (excl. Water)
		879804p	Management of Solid Waste from Construction Activities
		879805p	Management of Water Consumption by Construction Activities
		879899p	Environmentally Sustainable Construction not elsewhere classified
680605	Building Management and Services	879801p	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
		879802p	Management of Greenhouse Gas Emissions from Construction Activities
		879803p	Management of Liquid Waste from Construction Activities (excl. Water)
		879804p	Management of Solid Waste from Construction Activities
		879805p	Management of Water Consumption by Construction Activities
		879899p	Environmentally Sustainable Construction not elsewhere classified

**690000 TRANSPORT**

**690100 GROUND TRANSPORT**

690101	Road Safety	880109	Road Safety
690102	Other Road Transport	880105	Road Freight
		880106p	Road Infrastructure and Networks
		880107	Road Passenger Movements (excl. Public Transport)
		880108	Road Public Transport
690103	Rail Transport	880101	Rail Freight
		880102p	Rail Infrastructure and Networks
		880103	Rail Passenger Movements
		880104p	Rail Safety
690199	Ground Transport not elsewhere classified	880102p	Rail Infrastructure and Networks
		880104p	Rail Safety
		880106p	Road Infrastructure and Networks
		880199	Ground Transport not elsewhere classified

**690200 WATER TRANSPORT**

690201	International Sea Transport	880202	International Sea Freight Transport (excl. Live Animal Transport)
		880203	International Sea Transport of Live Animals
		880204p	Passenger Water Transport
		880206p	Water Safety
690202	Coastal Water Transport	880201	Coastal Sea Freight Transport
		880204p	Passenger Water Transport
		880206p	Water Safety
690203	Inland Water Transport	880204p	Passenger Water Transport
		880206p	Water Safety

**690300 AIR TRANSPORT**

690301	Air Transport	880301	Air Freight
		880302	Air Passenger Transport
		880303p	Air Safety
690302	Space Transport	880305	Space Transport

**690400 OTHER TRANSPORT**

690401	Multimodal Transport	889902	Multimodal Transport
690402	Intermodal Materials Handling	889901	Intermodal Materials Handling
690499	Transport not elsewhere classified	880205	Port Infrastructure and Management
		880206p	Water Safety
		880299	Water Transport not elsewhere classified
		880303p	Air Safety
		880304	Air Terminal Infrastructure and Management
		880399	Aerospace Transport not elsewhere classified
		889903	Pipeline Transport

**690000 TRANSPORT** *continued*

		889904p	Postal and Package Services (incl. Courier Services)
		889999	Transport not elsewhere classified
<b>690500 PREVENTION AND TREATMENT OF POLLUTION</b>			
690501	Ground Transport	889801p	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
		889802p	Management of Greenhouse Gas Emissions from Transport Activities
		889803p	Management of Liquid Waste from Transport Activities (excl. Water)
		889804p	Management of Noise and Vibration from Transport Activities
		889805p	Management of Solid Waste from Transport Activities
		889806p	Management of Water Consumption by Transport Activities
		889899p	Environmentally Sustainable Transport not elsewhere classified
690502	Water Transport	889801p	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
		889802p	Management of Greenhouse Gas Emissions from Transport Activities
		889803p	Management of Liquid Waste from Transport Activities (excl. Water)
		889804p	Management of Noise and Vibration from Transport Activities
		889805p	Management of Solid Waste from Transport Activities
		889806p	Management of Water Consumption by Transport Activities
		889899p	Environmentally Sustainable Transport not elsewhere classified
690503	Air Transport	889801p	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
		889802p	Management of Greenhouse Gas Emissions from Transport Activities
		889803p	Management of Liquid Waste from Transport Activities (excl. Water)
		889804p	Management of Noise and Vibration from Transport Activities
		889805p	Management of Solid Waste from Transport Activities
		889806p	Management of Water Consumption by Transport Activities
		889899p	Environmentally Sustainable Transport not elsewhere classified
690504	Other Transport	889801p	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
		889802p	Management of Greenhouse Gas Emissions from Transport Activities
		889803p	Management of Liquid Waste from Transport Activities (excl. Water)
		889804p	Management of Noise and Vibration from Transport Activities
		889805p	Management of Solid Waste from Transport Activities
		889806p	Management of Water Consumption by Transport Activities
		889899p	Environmentally Sustainable Transport not elsewhere classified

**700000 INFORMATION AND COMMUNICATION SERVICES**

**700100 COMPUTER SOFTWARE AND SERVICES**

700101	Application Packages	890201	Application Software Packages (excl. Computer Games)
		890203	Computer Gaming Software
700102	Application Tools and System Utilities	890202	Application Tools and System Utilities
700103	Information Processing Services	890205	Information Processing Services (incl. Data Entry and Capture)
700199	Computer Software and Services not elsewhere classified	890204	Computer Time Leasing, Sharing and Renting Services
		890206	Internet Hosting Services (incl. Application Hosting Services)
		890299	Computer Software and Services not elsewhere classified
		899999p	Information and Communication Services not elsewhere classified

## SEO 1998-SEO 2008 *continued*

### 700200 OTHER INFORMATION SERVICES

700201 Library and Related Information Services  
700299 Information Services not elsewhere classified

890302 Library and Archival Services  
890301 Electronic Information Storage and Retrieval Services  
890303 News Collection Services  
890399 Information Services not elsewhere classified  
899999p Information and Communication Services not elsewhere classified

### 700300 COMMUNICATION SERVICES

700301 Broadcasting  
  
700302 Telecommunications  
  
  
700303 Postal Communications  
700399 Communication Services not elsewhere classified

890403 Internet Broadcasting  
890405 Radio and Television Broadcasting  
890101 Fixed Line Data Networks and Services  
890102 Fixed Line Telephone Networks and Services  
890103 Mobile Data Networks and Services  
890104 Mobile Telephone Networks and Services  
890105 Satellite Communication Networks and Services  
889904p Postal and Package Services (incl. Courier Services)  
890106 Videoconference Services  
890199 Communication Networks and Services not elsewhere classified  
  
890401 Animation and Computer Generated Imagery Services  
890402 Film and Video Services (excl. Animation and Computer Generated Imagery)  
  
890404 Publishing and Print Services (incl. Internet Publishing)  
890499 Media Services not elsewhere classified  
899999p Information and Communication Services not elsewhere classified

### 700400 PREVENTION AND TREATMENT OF POLLUTION

700401 Prevention and Treatment of Pollution

899801 Management of Greenhouse Gas Emissions from Information and Communication Services  
899802 Management of Solid Waste from Information and Communication Services  
899803 Management of Water Consumption by Information and Communication Services  
899899 Environmentally Sustainable Information and Communication Services not elsewhere classified

### 710000 COMMERCIAL SERVICES AND TOURISM

#### 710100 ELECTRICITY, GAS AND WATER SERVICES AND UTILITIES

710101 Electricity Services and Utilities  
710102 Gas Services and Utilities  
710103 Water Services and Utilities

850601p Energy Services and Utilities  
850601p Energy Services and Utilities  
900403 Water Recycling Services (incl. Sewage and Greywater)  
900404 Water Services and Utilities

#### 710200 WASTE MANAGEMENT AND RECYCLING

710201 Waste Management  
710202 Recycling  
710299 Other

900401 Waste Management Services  
900402 Waste Recycling Services  
900499 Water and Waste Services not elsewhere classified

#### 710300 WHOLESALE AND RETAIL TRADE

710301 Wholesale Trade  
710302 Retail Trade

900204p Wholesale and Retail Trade  
900204p Wholesale and Retail Trade

#### 710400 FINANCE, PROPERTY AND BUSINESS SERVICES

710401 Finance and Investment Services  
  
710402 Insurance Services  
  
710403 Property and Business Services

900101 Finance Services  
900102 Investment Services (excl. Superannuation)  
900103 Superannuation and Insurance Services  
900199 Financial Services not elsewhere classified  
900201p Administration and Business Support Services  
900203p Property Services (incl. Security)

## SEO 1998-SEO 2008 *continued*

### 710500 TOURISM

710501	Economic Issues	900301	Economic Issues in Tourism
710502	Socio-Cultural Issues	900302	Socio-Cultural Issues in Tourism
710503	Tourism Infrastructure Development	900303	Tourism Infrastructure Development
710599	Tourism not elsewhere classified	900399	Tourism not elsewhere classified

### 710600 OTHER COMMERCIAL SERVICES

710601	Recreational Services	909902	Recreational Services
710602	Hospitality Services	909901	Hospitality Services
710603	Commercial Security Services	900203p	Property Services (incl. Security)
710699	Commercial Services not elsewhere classified	900201p	Administration and Business Support Services
		900202	Professional, Scientific and Technical Services
		900299	Property, Business Support Services and Trade not elsewhere classified
		909999	Commercial Services and Tourism not elsewhere classified

### 710700 PREVENTION AND TREATMENT OF POLLUTION

710701	Electricity, Gas and Water Services and Utilities	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
		909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
		909804p	Management of Solid Waste from Commercial Services and Tourism
		909805p	Management of Water Consumption by Commercial Services and Tourism
		909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified
710702	Waste Management and Recycling	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
		909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
		909804p	Management of Solid Waste from Commercial Services and Tourism
		909805p	Management of Water Consumption by Commercial Services and Tourism
		909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified
710703	Wholesale and Retail Trade	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
		909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
		909804p	Management of Solid Waste from Commercial Services and Tourism
		909805p	Management of Water Consumption by Commercial Services and Tourism
		909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified
710704	Finance, Property and Business Services	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
		909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
		909804p	Management of Solid Waste from Commercial Services and Tourism
		909805p	Management of Water Consumption by Commercial Services and Tourism
		909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified
710705	Tourism	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism

**710000 COMMERCIAL SERVICES AND TOURISM** *continued*

	909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)	
	909804p	Management of Solid Waste from Commercial Services and Tourism	
	909805p	Management of Water Consumption by Commercial Services and Tourism	
	909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified	
710706	Other Commercial Services	909801p	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
		909802p	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
		909803p	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
		909804p	Management of Solid Waste from Commercial Services and Tourism
		909805p	Management of Water Consumption by Commercial Services and Tourism
		909899p	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified

**720000 ECONOMIC FRAMEWORK**

**720100 MACROECONOMIC ISSUES**

720101	Fiscal Policy	910105	Fiscal Policy
720102	Monetary Policy	910108	Monetary Policy
720103	Exchange Rates	910104	Exchange Rates
720104	Balance of Payments	910101	Balance of Payments
720105	Income Distribution	910106	Income Distribution
720106	Taxation	910110	Taxation
720199	Macroeconomic Issues not elsewhere classified	910102	Demography
		910103	Economic Growth
		910107	Macro Labour Market Issues
		910109	Savings and Investments
		910199	Macroeconomics not elsewhere classified

**720200 MICROECONOMIC ISSUES**

720201	Microeconomic Effects of Taxation	910207	Microeconomic Effects of Taxation
720202	Consumption	910201	Consumption
720203	Industrial Organisations	910203	Industrial Organisations
720204	Industry Policy	910205	Industry Policy
720205	Industry Costs and Structure	910204	Industry Costs and Structure
720299	Microeconomic Issues not elsewhere classified	910202	Human Capital Issues
		910206	Market-Based Mechanisms
		910208	Micro Labour Market Issues
		910209	Preference, Behaviour and Welfare
		910210	Production
		910211	Supply and Demand
		910299	Microeconomics not elsewhere classified

**720300 INTERNATIONAL TRADE ISSUES**

720301	Trade Policy	910303	Trade Policy
720302	Assistance and Protection	910302	Trade Assistance and Protection
720303	International Agreements on Trade	910301	International Agreements on Trade
720399	International Trade Issues not elsewhere classified	910399	International Trade not elsewhere classified

**720400 MANAGEMENT AND PRODUCTIVITY ISSUES**

720401	Marketing	910403	Marketing
720402	Industrial Relations	910401	Industrial Relations
720403	Management	910402	Management
720404	Productivity	910404	Productivity (excl. Public Sector)
720499	Management and Productivity Issues not elsewhere classified	910405	Public Sector Productivity
		910499	Management and Productivity not elsewhere classified

**720500 MEASUREMENT STANDARDS AND CALIBRATION SERVICES**

720501	Defence Standards and Calibrations	910502	Defence Standards and Calibrations
720502	Manufacturing Standards and Calibrations	910503	Manufacturing Standards and Calibrations
720503	Service Industries Standards and Calibrations	910504	Service Industries Standards and Calibrations
720599	Measurement Standards and Calibration Services not elsewhere classified	910501	Agricultural and Environmental Standards
		910599	Measurement Standards and Calibration Services not elsewhere classified

**729900 OTHER ECONOMIC ISSUES**

729901	Technological and Organisational Innovation	910406	Technological and Organisational Innovation
729999	Economic Issues not elsewhere classified	919901	Carbon and Emissions Trading
		919902	Ecological Economics
		919999	Economic Framework not elsewhere classified

**730000 HEALTH**

**730100 CLINICAL (ORGANS, DISEASES AND ABNORMAL CONDITIONS)**

730101	Infectious Diseases	920109	Infectious Diseases
730102	Immune System and Allergy	920108	Immune System and Allergy
730103	Blood Disorders	920101	Blood Disorders
730104	Nervous System and Disorders	920111	Nervous System and Disorders
730105	Endocrine Organs and Diseases (incl. Diabetes)	920104	Diabetes
		920106	Endocrine Organs and Diseases (excl. Diabetes)
730106	Cardiovascular System and Diseases	920103	Cardiovascular System and Diseases
730107	Inherited Diseases (incl. Gene Therapy)	920110	Inherited Diseases (incl. Gene Therapy)
730108	Cancer and Related Disorders	920102	Cancer and Related Disorders
730109	Surgical Methods and Procedures	920118	Surgical Methods and Procedures
730110	Respiratory System and Diseases (incl. Asthma)	920115	Respiratory System and Diseases (incl. Asthma)
730111	Hearing, Vision, Speech and Their Disorders	920107	Hearing, Vision, Speech and Their Disorders
730112	Oro-Dental Disorders	920113	Oro-Dental Disorders
730113	Digestive System Disorders	920105	Digestive System Disorders
730114	Skeletal System and Disorders (incl. Arthritis)	920116	Skeletal System and Disorders (incl. Arthritis)
730115	Urogenital System and Disorders	920119	Urogenital System and Disorders
730116	Reproductive System and Disorders	920114	Reproductive System and Disorders
730117	Skin and Related Disorders	920117	Skin and Related Disorders
730118	Organs, Diseases and Abnormal Conditions not elsewhere classified	920112p	Neurodegenerative Disorders Related to Ageing
		920120p	Zoonoses
		920199p	Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified
		929999p	Health not elsewhere classified
730199	Clinical Health not specific to Particular Organs, Diseases and Conditions	920112p	Neurodegenerative Disorders Related to Ageing
		920120p	Zoonoses
		920199p	Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified
		929999p	Health not elsewhere classified

**730200 PUBLIC HEALTH**

730201	Women's Health	920507	Women's Health
730202	Men's Health	920504	Men's Health
730203	Health related to Ageing	920502	Health Related to Ageing
730204	Child Health	920501	Child Health
730205	Substance Abuse	920414	Substance Abuse
730206	Aboriginal and Torres Strait Islander Health	920301	Aboriginal and Torres Strait Islander Health - Determinants of Health
		920302	Aboriginal and Torres Strait Islander Health - Health Status and Outcomes
		920303	Aboriginal and Torres Strait Islander Health - Health System Performance (incl. Effectiveness of Interventions)
		920304	Māori Health - Determinants of Health
		920305	Māori Health - Health Status and Outcomes
		920306	Māori Health - Health System Performance (incl. Effectiveness of Interventions)
		920307	Pacific Peoples Health - Determinants of Health
		920308	Pacific Peoples Health - Health Status and Outcomes
730207	Health Related to Specific Ethnic Groups	920309	Pacific Peoples Health - Health System Performance (incl. Effectiveness of Interventions)



**730000 HEALTH** *continued*

730208	Occupational Health (excl. Economic Development Aspects)	920503	Health Related to Specific Ethnic Groups
730209	Rural Health	920505	Occupational Health
730210	Environmental Health	920506	Rural Health
730211	Mental Health	920405	Environmental Health
730212	Disease Distribution and Transmission	920410	Mental Health
		920404	Disease Distribution and Transmission (incl. Surveillance and Response)
730213	Preventive Medicine	920412	Preventive Medicine
730214	Dental Health	920402	Dental Health
730215	Nutrition	920411	Nutrition
730216	Food Safety	920406	Food Safety
730217	Health Status (e.g. Indicators of Well-Being)	920408	Health Status (e.g. Indicators of Well-Being)
730218	Social Structure and Health	920413	Social Structure and Health
730219	Behaviour and Health	920401	Behaviour and Health
730220	Injury Control	920409	Injury Control
730299	Public Health not elsewhere classified	920399	Indigenous Health not elsewhere classified
		920403	Disability and Functional Capacity
		920407	Health Protection and/or Disaster Response
		920499	Public Health (excl. Specific Population Health) not elsewhere classified
		920599	Specific Population Health (excl. Indigenous Health) not elsewhere classified
		929999p	Health not elsewhere classified

**730300 HEALTH AND SUPPORT SERVICES**

730301	Health Education and Promotion	920205	Health Education and Promotion
730302	Nursing	920210	Nursing
730303	Occupational, Speech and Physiotherapy	920201p	Allied Health Therapies (excl. Mental Health Services)
730304	Palliative Care	920211	Palliative Care
730305	Diagnostic Methods	920203	Diagnostic Methods
730306	Evaluation of Health Outcomes	920204	Evaluation of Health Outcomes
730307	Health Policy Evaluation	920208	Health Policy Evaluation
730308	Health Policy Economic Outcomes	920207	Health Policy Economic Outcomes
730399	Health and Support Services not elsewhere classified	920201p	Allied Health Therapies (excl. Mental Health Services)
		920202	Carer Health
		920206	Health Inequalities
		920209	Mental Health Services
		920299	Health and Support Services not elsewhere classified
		929999p	Health not elsewhere classified

**740000 EDUCATION AND TRAINING**

**740100 EARLY CHILDHOOD AND PRIMARY EDUCATION**

740101	Early Childhood Education	930101p	Learner and Learning Achievement
		930102p	Learner and Learning Processes
		930103p	Learner Development
		930104p	Moral and Social Development (incl. Affect)
		930199p	Learner and Learning not elsewhere classified
		930201p	Pedagogy
		930202p	Teacher and Instructor Development
		930203p	Teaching and Instruction Technologies
		930299p	Teaching and Instruction not elsewhere classified
		930301p	Assessment and Evaluation of Curriculum
		930302p	Syllabus and Curriculum Development
		930399p	Curriculum not elsewhere classified
		930401p	Management and Leadership of Schools/Institutions
		930402p	School/Institution Community and Environment
		930403p	School/Institution Policies and Development
		930499p	School/Institution not elsewhere classified
		930502p	Management of Education and Training Systems
		930503p	Resourcing of Education and Training Systems
		930599p	Education and Training Systems not elsewhere classified
740102	Primary Education	930101p	Learner and Learning Achievement
		930102p	Learner and Learning Processes
		930103p	Learner Development
		930104p	Moral and Social Development (incl. Affect)
		930199p	Learner and Learning not elsewhere classified

**740000 EDUCATION AND TRAINING** *continued*

- 930201p Pedagogy
- 930202p Teacher and Instructor Development
- 930203p Teaching and Instruction Technologies
- 930299p Teaching and Instruction not elsewhere classified
- 930301p Assessment and Evaluation of Curriculum
- 930302p Syllabus and Curriculum Development
- 930399p Curriculum not elsewhere classified
- 930401p Management and Leadership of Schools/Institutions
- 930402p School/Institution Community and Environment
- 930403p School/Institution Policies and Development
- 930499p School/Institution not elsewhere classified
- 930502p Management of Education and Training Systems
- 930503p Resourcing of Education and Training Systems
- 930599p Education and Training Systems not elsewhere classified

**740200 SECONDARY EDUCATION**

740201 Secondary Education

- 930101p Learner and Learning Achievement
- 930102p Learner and Learning Processes
- 930103p Learner Development
- 930104p Moral and Social Development (incl. Affect)
- 930199p Learner and Learning not elsewhere classified
- 930201p Pedagogy
- 930202p Teacher and Instructor Development
- 930203p Teaching and Instruction Technologies
- 930299p Teaching and Instruction not elsewhere classified
- 930301p Assessment and Evaluation of Curriculum
- 930302p Syllabus and Curriculum Development
- 930399p Curriculum not elsewhere classified
- 930401p Management and Leadership of Schools/Institutions
- 930402p School/Institution Community and Environment
- 930403p School/Institution Policies and Development
- 930499p School/Institution not elsewhere classified
- 930502p Management of Education and Training Systems
- 930503p Resourcing of Education and Training Systems
- 930599p Education and Training Systems not elsewhere classified

**740300 HIGHER EDUCATION**

740301 Higher Education

- 930101p Learner and Learning Achievement
- 930102p Learner and Learning Processes
- 930103p Learner Development
- 930104p Moral and Social Development (incl. Affect)
- 930199p Learner and Learning not elsewhere classified
- 930201p Pedagogy
- 930202p Teacher and Instructor Development
- 930203p Teaching and Instruction Technologies
- 930299p Teaching and Instruction not elsewhere classified
- 930301p Assessment and Evaluation of Curriculum
- 930302p Syllabus and Curriculum Development
- 930399p Curriculum not elsewhere classified
- 930401p Management and Leadership of Schools/Institutions
- 930402p School/Institution Community and Environment
- 930403p School/Institution Policies and Development
- 930499p School/Institution not elsewhere classified
- 930502p Management of Education and Training Systems
- 930503p Resourcing of Education and Training Systems
- 930599p Education and Training Systems not elsewhere classified

**740400 VOCATIONAL EDUCATION AND TRAINING**

740401 Vocational Education and Training

- 930101p Learner and Learning Achievement
- 930102p Learner and Learning Processes
- 930103p Learner Development
- 930104p Moral and Social Development (incl. Affect)
- 930199p Learner and Learning not elsewhere classified
- 930201p Pedagogy
- 930202p Teacher and Instructor Development
- 930203p Teaching and Instruction Technologies
- 930299p Teaching and Instruction not elsewhere classified
- 930301p Assessment and Evaluation of Curriculum

**740000 EDUCATION AND TRAINING** *continued*

930302p Syllabus and Curriculum Development  
 930399p Curriculum not elsewhere classified  
 930401p Management and Leadership of Schools/Institutions  
 930402p School/Institution Community and Environment  
 930403p School/Institution Policies and Development  
 930499p School/Institution not elsewhere classified  
 930502p Management of Education and Training Systems  
 930503p Resourcing of Education and Training Systems  
 930599p Education and Training Systems not elsewhere classified

**740500 SPECIAL EDUCATION**

740501 Special Education

930101p Learner and Learning Achievement  
 930102p Learner and Learning Processes  
 930103p Learner Development  
 930104p Moral and Social Development (incl. Affect)  
 930199p Learner and Learning not elsewhere classified  
 930201p Pedagogy  
 930202p Teacher and Instructor Development  
 930203p Teaching and Instruction Technologies  
 930299p Teaching and Instruction not elsewhere classified  
 930301p Assessment and Evaluation of Curriculum  
 930302p Syllabus and Curriculum Development  
 930399p Curriculum not elsewhere classified  
 930401p Management and Leadership of Schools/Institutions  
 930402p School/Institution Community and Environment  
 930403p School/Institution Policies and Development  
 930499p School/Institution not elsewhere classified  
 930502p Management of Education and Training Systems  
 930503p Resourcing of Education and Training Systems  
 930599p Education and Training Systems not elsewhere classified  
 939907p Special Needs Education

**749900 OTHER EDUCATION**

749901 Occupational Training  
 749902 Continuing Education  
 749903 Aboriginal and Torres Strait Islander Education  
 749904 Education Across Cultures  
 749905 Gender Aspects of Education  
 749906 Education Policy  
 749999 Education and Training not elsewhere classified

939999p Education and Training not elsewhere classified  
 939999p Education and Training not elsewhere classified  
 939901 Aboriginal and Torres Strait Islander Education  
 939999p Education and Training not elsewhere classified  
 939904 Gender Aspects of Education  
 930501p Education and Training Systems Policies and Development  
 930101p Learner and Learning Achievement  
 930102p Learner and Learning Processes  
 930103p Learner Development  
 930104p Moral and Social Development (incl. Affect)  
 930199p Learner and Learning not elsewhere classified  
 930201p Pedagogy  
 930202p Teacher and Instructor Development  
 930203p Teaching and Instruction Technologies  
 930299p Teaching and Instruction not elsewhere classified  
 930301p Assessment and Evaluation of Curriculum  
 930302p Syllabus and Curriculum Development  
 930399p Curriculum not elsewhere classified  
 930401p Management and Leadership of Schools/Institutions  
 930402p School/Institution Community and Environment  
 930403p School/Institution Policies and Development  
 930499p School/Institution not elsewhere classified  
 930501p Education and Training Systems Policies and Development  
 930502p Management of Education and Training Systems  
 930503p Resourcing of Education and Training Systems  
 930599p Education and Training Systems not elsewhere classified  
 939902 Education and Training Theory and Methodology  
 939903 Equity and Access to Education  
 939905 Māori Education  
 939906 Pacific Peoples Education  
 939907p Special Needs Education  
 939908 Workforce Transition and Employment  
 939999p Education and Training not elsewhere classified

**750000 SOCIAL DEVELOPMENT AND COMMUNITY SERVICES**

**750100 WORK**

750101	Employment	940501p	Employment Patterns and Change
750102	Changing Work Patterns	940501p	Employment Patterns and Change
750103	The Professions and Professionalisation	940502	Professions and Professionalisation
750104	Preserving Institutional and Organisational Histories	940599p	Work and Institutional Development not elsewhere classified
750199	Work not elsewhere classified	940503	Time Use, Unpaid Work and Volunteering
		940504	Work and Family Responsibilities
		940505	Workplace Safety
		940599p	Work and Institutional Development not elsewhere classified

**750200 ARTS AND LEISURE**

750201	The Performing Arts (incl. Music, Theatre and Dance)	950101	Music
750202	The Creative Arts	950105	The Performing Arts (incl. Theatre and Dance)
750203	Organised Sports	950104	The Creative Arts (incl. Graphics and Craft)
750204	Recreation	950102	Organised Sports
750299	Arts and Leisure not elsewhere classified	950103	Recreation
		950199	Arts and Leisure not elsewhere classified

**750300 COMMUNITY SERVICE (EXCL. WORK)**

750301	The Distribution of Wealth	940108p	Distribution of Income and Wealth
750302	Class	940116p	Social Class and Inequalities
750303	Gender	940113p	Gender and Sexualities
750304	The Aged	940103	Ageing and Older People
750305	Ability and Disability	940101	Ability and Disability
750306	Ethnicity and Multiculturalism	940111p	Ethnicity, Multiculturalism and Migrant Development and Welfare
750307	Families	940112p	Families and Family Services
750308	National Identity	940106	Citizenship and National Identity
750309	Aboriginal and Torres Strait Islander Development and Welfare	940102	Aboriginal and Torres Strait Islander Development and Welfare
750310	Carers Development and Welfare (i.e. Carers for the Aged, Disabled)	940104	Carers' Development and Welfare
750311	Migrant Development and Welfare	940111p	Ethnicity, Multiculturalism and Migrant Development and Welfare
750312	Youth/Child Development and Welfare	940105p	Children's/Youth Services and Childcare
750399	Community Services not elsewhere classified	940105p	Children's/Youth Services and Childcare
		940107	Comparative Structure and Development of Community Services
		940108p	Distribution of Income and Wealth
		940109	Employment Services
		940110	Environmental Services
		940112p	Families and Family Services
		940113p	Gender and Sexualities
		940114	Māori Development and Welfare
		940115	Pacific Peoples Development and Welfare
		940116p	Social Class and Inequalities
		940117	Structure, Delivery and Financing of Community Services
		940199	Community Service (excl. Work) not elsewhere classified

**750400 RELIGION AND ETHICS**

750401	Religion and Society	950404	Religion and Society
750402	Religious Structures and Ritual	950405	Religious Structures and Ritual
750403	Bioethics	950401	Bioethics
750404	Social Ethics	950407	Social Ethics
750405	Environmental Ethics	950403	Environmental Ethics
750406	Business Ethics	950402	Business Ethics
750499	Religion and Ethics not elsewhere classified	950406	Religious Traditions (excl. Structures and Rituals)
		950408	Technological Ethics
		950409	Workplace and Organisational Ethics
		950499	Religion and Ethics not elsewhere classified

**750500 JUSTICE AND THE LAW**

- 750501 Ownership of the Land
- 750502 Consumer Affairs
- 750503 Understanding Legal Processes
- 750504 Law Enforcement
- 750505 Correctional Services
- 750599 Justice and the Law not elsewhere classified

- 940499p Justice and the Law not elsewhere classified
- 940499p Justice and the Law not elsewhere classified
- 940406 Legal Processes
- 940404 Law Enforcement
- 940408p Rehabilitation and Correctional Services
- 940401 Civil Justice
- 940402 Crime Prevention
- 940403 Criminal Justice
- 940405 Law Reform
- 940407 Legislation, Civil and Criminal Codes
- 940408p Rehabilitation and Correctional Services
- 940499p Justice and the Law not elsewhere classified

**750600 GOVERNMENT AND POLITICS**

- 750601 Understanding Political Systems
- 750602 Understanding Electoral Systems
- 750603 Federalism in Australia
- 750604 Civics and Citizenship
- 750605 Public Services Management
- 750699 Government and Politics not elsewhere classified

- 940203 Political Systems
- 940202 Electoral Systems
- 940299p Government and Politics not elsewhere classified
- 940201 Civics and Citizenship
- 940204p Public Services Policy Advice and Analysis
- 940204p Public Services Policy Advice and Analysis
- 940299p Government and Politics not elsewhere classified

**750700 INTERNATIONAL RELATIONS**

- 750701 Understanding International Relations
- 750702 Understanding Other Countries
- 750703 International Organisations
- 750704 International Aid
- 750799 International Relations not elsewhere classified

- 940399p International Relations not elsewhere classified
- 940399p International Relations not elsewhere classified
- 940303 International Organisations
- 940302 International Aid and Development
- 940301 Defence and Security Policy
- 940304 International Political Economy (excl. International Trade)
- 940399p International Relations not elsewhere classified

**750800 HERITAGE**

- 750801 Preserving the Built Environment
- 750802 Preserving Movable Cultural Heritage
- 750803 Urban Planning
- 750804 Regional Planning
- 750805 Aboriginal and Torres Strait Islander Heritage
- 750899 Heritage not elsewhere classified

- 950307 Conserving the Historic Environment
- 950303p Conserving Collections and Movable Cultural Heritage
- 870105p Urban Planning
- 870103p Regional Planning
- 950302 Conserving Aboriginal and Torres Strait Islander Heritage
- 950301 Āhuetanga Māori (Māori Tradition)
- 950304 Conserving Intangible Cultural Heritage
- 950305 Conserving Natural Heritage
- 950306 Conserving Pacific Peoples Heritage
- 950308 Mātauranga Māori (Māori Knowledge)
- 950309 Taonga (Māori Artefacts)
- 950310 Tikanga Māori (Māori Customary Practices)
- 950311 Wahi Taonga (Māori Places of Significance)
- 950399 Heritage not elsewhere classified

**750900 UNDERSTANDING PAST SOCIETIES**

- 750901 Understanding Australia's Past
- 750902 Understanding the Past of Other Societies

- 950503 Understanding Australia's Past
- 950501 Understanding Africa's Past
- 950502 Understanding Asia's Past
- 950504 Understanding Europe's Past
- 950505 Understanding New Zealand's Past
- 950506 Understanding the Past of the Americas
- 950599 Understanding Past Societies not elsewhere classified

**751000 COMMUNICATION**

- 751001 Languages and Literature
- 751002 Languages and Literacy
- 751003 Visual Communication
- 751004 The Media
- 751005 Communication Across Languages and Culture
- 751006 Managing Collections
- 751099 Communication not elsewhere classified

- 950203 Languages and Literature
- 950202 Languages and Literacy
- 950205 Visual Communication
- 950204 The Media
- 950201 Communication Across Languages and Culture
- 950303p Conserving Collections and Movable Cultural Heritage
- 950299 Communication not elsewhere classified

**759900 OTHER SOCIAL DEVELOPMENT AND COMMUNITY SERVICES**

759999	Other Social Development and Community Services	949999	Law, Politics and Community Services not elsewhere classified
		959999	Cultural Understanding not elsewhere classified

**760000 ENVIRONMENTAL POLICY FRAMEWORKS AND OTHER ASPECTS**

**760100 ENVIRONMENTAL POLICY, LEGISLATION AND STANDARDS**

760101	Global Climate Change Adaptation Measures	960301	Climate Change Adaptation Measures
760102	Trade and Environment	960707	Trade and Environment
760103	Consumption Patterns, Population Issues and the Environment	960702	Consumption Patterns, Population Issues and the Environment
760104	Environmental Education and Awareness	960703	Environmental Education and Awareness
760199	Environmental Policy, Legislation and Standards not elsewhere classified	960701	Coastal and Marine Management Policy
		960704	Land Stewardship
		960705	Rural Land Policy
		960706	Rural Water Policy
		960708	Urban Land Policy
		960709	Urban Water Policy
		960799	Environmental Policy, Legislation and Standards not elsewhere classified

**760200 ENVIRONMENTAL AND RESOURCE EVALUATION**

760201	Institutional Arrangements	960605	Institutional Arrangements for Environmental Protection
760202	Economic Incentives and Regulation	960601	Economic Incentives for Environmental Protection
760203	Rights to Environmental and Natural Resources	960606	Rights to Environmental and Natural Resources (excl. Water Allocation)
760299	Environmental and Natural Resource Evaluation not elsewhere classified	960602	Eco-Verification (excl. Environmental Lifecycle Assessment)
		960603	Environmental Lifecycle Assessment
		960604	Environmental Management Systems
		960607	Rural Land Evaluation
		960608	Rural Water Evaluation (incl. Water Quality)
		960609	Sustainability Indicators
		960610	Urban Land Evaluation
		960611	Urban Water Evaluation (incl. Water Quality)
		960699	Environmental and Natural Resource Evaluation not elsewhere classified

**769900 OTHER ENVIRONMENTAL ASPECTS**

769999	Other Environmental Aspects	969999p	Environment not elsewhere classified
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**770000 ENVIRONMENTAL MANAGEMENT**

**770100 CLIMATE AND WEATHER**

770101	Climate Change	960302	Climate Change Mitigation Strategies
		960303	Climate Change Models
		960305	Ecosystem Adaptation to Climate Change
		960306p	Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)
		960307p	Effects of Climate Change and Variability on Australia (excl. Social Impacts)
		960308p	Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)
		960309p	Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)
		960310p	Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)
		960311p	Social Impacts of Climate Change and Variability
770102	Climate Variability	960304	Climate Variability (excl. Social Impacts)
		960306p	Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)
		960307p	Effects of Climate Change and Variability on Australia (excl. Social Impacts)
		960308p	Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)

**770000 ENVIRONMENTAL MANAGEMENT** *continued*

		960309p	Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)
		960310p	Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)
		960311p	Social Impacts of Climate Change and Variability
770103	Weather	960203	Weather
770199	Other	960202p	Atmospheric Processes and Dynamics
		960299	Atmosphere and Weather not elsewhere classified
		960399	Climate and Climate Change not elsewhere classified

**770200 ATMOSPHERE (EXCL. CLIMATE AND WEATHER)**

770201	Atmospheric Composition	960201	Atmospheric Composition (incl. Greenhouse Gas Inventory)
770202	Atmospheric Processes	960202p	Atmospheric Processes and Dynamics

**770300 MARINE ENVIRONMENT**

770301	Air Quality	960104	Marine Air Quality
770302	Living Resources (incl. Impacts of Fishing on Non-Target Species)	960808	Marine Flora, Fauna and Biodiversity
770303	Control of Pests and Exotic Species	960407p	Control of Pests, Diseases and Exotic Species in Marine Environments
770304	Physical and Chemical Conditions	961104	Physical and Chemical Conditions of Water in Marine Environments
770305	Oceanic Processes (excl. Climate Related)	969902	Marine Oceanic Processes (excl. climate related)
770306	Integrated (Ecosystem) Assessment and Management	960507	Ecosystem Assessment and Management of Marine Environments
770307	Marine Protected Areas	961303	Protected Conservation Areas in Marine Environments
770399	Other	961006	Natural Hazards in Marine Environments
		969999p	Environment not elsewhere classified

**770400 COASTAL AND ESTUARINE ENVIRONMENT**

770401	Air Quality	960102	Coastal and Estuarine Air Quality
770402	Land and Water Management	960902	Coastal and Estuarine Land Management
		960903	Coastal and Estuarine Water Management
770403	Living Resources (Flora and Fauna)	960802	Coastal and Estuarine Flora, Fauna and Biodiversity
770404	Control of Pests and Exotic Species	960402p	Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
		960412p	Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
770405	Physical and Chemical Conditions	961102	Physical and Chemical Conditions of Water in Coastal and Estuarine Environments
770406	Integrated (Ecosystem) Assessment and Management	960503	Ecosystem Assessment and Management of Coastal and Estuarine Environments
770407	Remnant Vegetation and Protected Conservation Areas (Both Terrestrial and Marine)	961304	Remnant Vegetation and Protected Conservation Areas in Coastal and Estuarine Environments
770408	Rehabilitation of Degraded Coastal and Estuarine Areas	961201	Rehabilitation of Degraded Coastal and Estuarine Environments
770409	Estuarine and Lagoon Areas	969999p	Environment not elsewhere classified
770499	Other	961002	Natural Hazards in Coastal and Estuarine Environments
		961401	Coastal and Estuarine Soils
		969999p	Environment not elsewhere classified

**770500 URBAN AND INDUSTRIAL ENVIRONMENT**

770501	Air Quality	960106	Urban and Industrial Air Quality
770502	Land and Water Management	960911	Urban and Industrial Land Management
		960912	Urban and Industrial Water Management
770503	Living Resources (Flora and Fauna)	960812	Urban and Industrial Flora, Fauna and Biodiversity
770504	Control of Pests and Exotic Species	960411	Control of Pests, Diseases and Exotic Species in Urban and Industrial Environments
770505	Integrated (Ecosystem) Assessment and Management	960511	Ecosystem Assessment and Management of Urban and Industrial Environments
770506	Remnant Vegetation and Protected Conservation Areas	961310	Remnant Vegetation and Protected Conservation Areas in Urban and Industrial Environments
770507	Industrial/Degraded Areas	961208	Rehabilitation of Degraded Urban and Industrial Environments
770599	Other	961010	Natural Hazards in Urban and Industrial Environments

**770000 ENVIRONMENTAL MANAGEMENT** *continued*

	961407	Urban and Industrial Soils
	969999p	Environment not elsewhere classified
<b>770600 HIGH COUNTRY (INCL. MOUNTAINS)</b>		
770601	Air Quality	960199p Air Quality not elsewhere classified
770602	Land and Water Management	960909 Mountain and High Country Land and Water Management
770603	Living Resources (Flora and Fauna)	960810 Mountain and High Country Flora, Fauna and Biodiversity
770604	Control of Pests and Exotic Species	960409 Control of Pests, Diseases and Exotic Species in Mountain and High Country Environments
770605	Integrated (Ecosystem) Assessment and Management	960509 Ecosystem Assessment and Management of Mountain and High Country Environments
770606	Remnant Vegetation and Protected Conservation Areas	961307 Remnant Vegetation and Protected Conservation Areas in Mountain and High Country Environments
770607	Rehabilitation of Degraded High Country	961206 Rehabilitation of Degraded Mountain and High Country Environments
770699	Other	961008 Natural Hazards in Mountain and High Country Environments
	961405	Mountain and High Country Soils
	969999p	Environment not elsewhere classified

**770700 FOREST AND WOODED LANDS**

770701	Air Quality	960199p Air Quality not elsewhere classified
770702	Land and Water Management	960906 Forest and Woodlands Land Management
		960907 Forest and Woodlands Water Management
770703	Living Resources (Flora and Fauna)	960806 Forest and Woodlands Flora, Fauna and Biodiversity
770704	Control of Pests and Exotic Species	960404p Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments
		960414p Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments
770705	Integrated (Ecosystem) Assessment and Management	960505 Ecosystem Assessment and Management of Forest and Woodlands Environments
770706	Remnant Vegetation and Protected Conservation Areas	961306 Remnant Vegetation and Protected Conservation Areas in Forest and Woodlands Environments
770707	Rehabilitation/Reafforestation	961203 Rehabilitation of Degraded Forest and Woodlands Environments
770799	Other	961004 Natural Hazards in Forest and Woodlands Environments
	961403p	Forest and Woodlands Soils
	969999p	Environment not elsewhere classified

**770800 FARMLAND (INCL. ARABLE LAND AND PERMANENT CROP LAND)**

770801	Air Quality	960103 Farmland, Arable Cropland and Permanent Cropland Air Quality
770802	Land and Water Management	960904 Farmland, Arable Cropland and Permanent Cropland Land Management
		960905 Farmland, Arable Cropland and Permanent Cropland Water Management
770803	Living Resources (Flora and Fauna)	960804 Farmland, Arable Cropland and Permanent Cropland Flora, Fauna and Biodiversity
770804	Control of Pests and Exotic Species	960403p Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
		960413p Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
770805	Integrated (Ecosystem) Assessment and Management	960504 Ecosystem Assessment and Management of Farmland, Arable Cropland and Permanent Cropland Environments
770806	Remnant Vegetation and Protected Conservation Areas	961305 Remnant Vegetation and Protected Conservation Areas in Farmland, Arable Cropland and Permanent Cropland Environments
770807	Rehabilitation of Degraded Farmland	961202 Rehabilitation of Degraded Farmland, Arable Cropland and Permanent Cropland Environments
770899	Other	961003 Natural Hazards in Farmland, Arable Cropland and Permanent Cropland Environments
	961402p	Farmland, Arable Cropland and Permanent Cropland Soils
	969999p	Environment not elsewhere classified



## SEO 1998-SEO 2008 *continued*

### **770900 SPARSELAND (INCL. PERMANENT GRASSLAND AND THE ARID ZONE)**

770901	Air Quality	960199p	Air Quality not elsewhere classified
770902	Land and Water Management	960910	Sparseland, Permanent Grassland and Arid Zone Land and Water Management
770903	Living Resources (Flora and Fauna)	960811	Sparseland, Permanent Grassland and Arid Zone Flora, Fauna and Biodiversity
770904	Control of Pests and Exotic Species	960410	Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments
770905	Integrated (Ecosystem) Assessment and Management	960510	Ecosystem Assessment and Management of Sparseland, Permanent Grassland and Arid Zone Environments
770906	Remnant Vegetation and Protected Conservation Areas	961309	Remnant Vegetation and Protected Conservation Areas in Sparseland, Permanent Grassland and Arid Zone Environments
770907	Rehabilitation of Degraded Sparseland	961207	Rehabilitation of Degraded Sparseland, Permanent Grassland and Arid Zone Environments
770999	Other	961009	Natural Hazards in Sparseland, Permanent Grassland and Arid Zone Environments
		961406	Sparseland, Permanent Grassland and Arid Zone Soils
		969999p	Environment not elsewhere classified

### **771000 MINING ENVIRONMENTS**

771001	Air Quality	960105	Mining Air Quality
771002	Land and Water Management	960908	Mining Land and Water Management
771003	Living Resources (Flora and Fauna)	960809	Mining Flora, Fauna and Biodiversity
771004	Control of Pests and Exotic Species	960408	Control of Pests, Diseases and Exotic Species in Mining Environments
771005	Integrated (Ecosystem) Assessment and Management	960508	Ecosystem Assessment and Management of Mining Environments
771006	Remnant Vegetation and Protected Conservation Areas	961399p	Remnant Vegetation and Protected Conservation Areas not elsewhere classified
771007	Rehabilitation of Degraded Mining Lands	961205	Rehabilitation of Degraded Mining Environments
771099	Other	961007	Natural Hazards in Mining Environments
		961404	Mining Soils
		969999p	Environment not elsewhere classified

### **771100 ANTARCTIC AND SUB-ANTARTIC AREAS**

771101	Air Quality	960101	Antarctic and Sub-Antarctic Air Quality
771102	Land and Water Management	960901	Antarctic and Sub-Antarctic Land and Water Management
771103	Living Resources (Flora and Fauna)	960801	Antarctic and Sub-Antarctic Flora, Fauna and Biodiversity
771104	Control of Pests and Exotic Species	960499p	Control of Pests, Diseases and Exotic Species not elsewhere classified
771105	Integrated (Ecosystem) Assessment and Management	960502	Ecosystem Assessment and Management of Antarctic and Sub-Antarctic Environments
771199	Other	961001	Natural Hazards in Antarctic and Sub-Antarctic Environments
		969901	Antarctic and Sub-Antarctic Oceanography
		969999p	Environment not elsewhere classified

### **779900 OTHER (INCL. ISLANDS)**

779901	Air Quality	960199p	Air Quality not elsewhere classified
779902	Land and Water Management	960913	Water Allocation and Quantification
		960999	Land and Water Management of environments not elsewhere classified
779903	Living Resources (Flora and Fauna)	960803	Documentation of Undescribed Flora and Fauna
		960805	Flora, Fauna and Biodiversity at Regional or Larger Scales
		960807	Fresh, Ground and Surface Water Flora, Fauna and Biodiversity
		960899	Flora, Fauna and Biodiversity of environments not elsewhere classified
779904	Control of Pests and Exotic Species	960401	Border Biosecurity (incl. Quarantine and Inspection)
		960405	Control of Pests, Diseases and Exotic Species at Regional or Larger Scales
		960406	Control of Pests, Diseases and Exotic Species in Fresh, Ground and Surface Water Environments
		960415	Pre-Border Biosecurity
		960499p	Control of Pests, Diseases and Exotic Species not elsewhere classified
779905	Integrated (Ecosystem) Assessment and Management	960501	Ecosystem Assessment and Management at Regional or Larger Scales

**770000 ENVIRONMENTAL MANAGEMENT** *continued*

		960506	Ecosystem Assessment and Management of Fresh, Ground and Surface Water Environments
		960599	Ecosystem Assessment and Management not elsewhere classified
779906	Remnant Vegetation and Protected Conservation Areas	961301	Protected Conservation Areas in Antarctic and Sub-Antarctic Environments
		961302	Protected Conservation Areas in Fresh, Ground and Surface Water Environments
		961308	Remnant Vegetation and Protected Conservation Areas at Regional or Larger Scales
		961399p	Remnant Vegetation and Protected Conservation Areas not elsewhere classified
779907	Rehabilitation of Degraded Areas	961204	Rehabilitation of Degraded Fresh, Ground and Surface Water Environments
		961299	Rehabilitation of Degraded Environments not elsewhere classified
		969999p	Environment not elsewhere classified
779999	Other	961005	Natural Hazards in Fresh, Ground and Surface Water Environments
		961099	Natural Hazards not elsewhere classified
		961101	Physical and Chemical Conditions of Water for Urban and Industrial Use
		961103	Physical and Chemical Conditions of Water in Fresh, Ground and Surface Water Environments (excl. Urban and Industrial Use)
		961199	Physical and Chemical Conditions of Water not elsewhere classified
		961499	Soils not elsewhere classified
		969999p	Environment not elsewhere classified

**780000 NON-ORIENTED RESEARCH**

**780100 NON-ORIENTED RESEARCH**

780101	Mathematical Sciences	970101	Expanding Knowledge in the Mathematical Sciences
780102	Physical Sciences	970102	Expanding Knowledge in the Physical Sciences
780103	Chemical Sciences	970103	Expanding Knowledge in the Chemical Sciences
780104	Earth Sciences	970104	Expanding Knowledge in the Earth Sciences
780105	Biological Sciences	970105p	Expanding Knowledge in the Environmental Sciences
		970106	Expanding Knowledge in the Biological Sciences
780106	Political Science and Public Policy	970116p	Expanding Knowledge through Studies of Human Society
780107	Studies in Human Society	970116p	Expanding Knowledge through Studies of Human Society
780108	Behavioural and Cognitive Sciences	970117	Expanding Knowledge in Psychology and Cognitive Sciences
		970120p	Expanding Knowledge in Language, Communication and Culture
780199	Other	970105p	Expanding Knowledge in the Environmental Sciences
		970107	Expanding Knowledge in the Agricultural and Veterinary Sciences
		970108	Expanding Knowledge in the Information and Computing Sciences
		970109	Expanding Knowledge in Engineering
		970110	Expanding Knowledge in Technology
		970111	Expanding Knowledge in the Medical and Health Sciences
		970112	Expanding Knowledge in Built Environment and Design
		970113	Expanding Knowledge in Education
		970114	Expanding Knowledge in Economics
		970115	Expanding Knowledge in Commerce, Management, Tourism and Services
		970118	Expanding Knowledge in Law and Legal Studies
		970119	Expanding Knowledge through Studies of the Creative Arts and Writing
		970120p	Expanding Knowledge in Language, Communication and Culture
		970121	Expanding Knowledge in History and Archaeology
		970122	Expanding Knowledge in Philosophy and Religious Studies

**81 DEFENCE**

**8101 DEFENCE**

810101	Air Force	610103p	Air Force
810102	Army	610102p	Army
810103	Command, Control and Communications	610101p	Navy
		610102p	Army
		610103p	Air Force
		610104p	Combined Operations
		610199p	Other
810104	Emerging Defence Technologies	610104p	Combined Operations
		610199p	Other
810105	Intelligence	610101p	Navy
		610102p	Army
		610103p	Air Force
		610104p	Combined Operations
		610199p	Other
810106	Logistics	610101p	Navy
		610102p	Army
		610103p	Air Force
		610104p	Combined Operations
		610199p	Other
810107	National Security	610104p	Combined Operations
		610199p	Other
810108	Navy	610101p	Navy
810109	Personnel	610101p	Navy
		610102p	Army
		610103p	Air Force
		610104p	Combined Operations
		610199p	Other
810199	Defence not elsewhere classified	610199p	Other

**82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS**

**8201 FORESTRY**

820101	Hardwood Plantations	620303	Hardwood Plantations
820102	Harvesting and Transport of Forest Products	620304	Harvesting and Transport of Forest Products
820103	Integration of Farm and Forestry	620305	Integration of Farm and Forestry
820104	Native Forests	620301	Native Forests
820105	Softwood Plantations	620302	Softwood Plantations
820199	Forestry not elsewhere classified	620399p	Forestry not elsewhere classified

**8202 HORTICULTURAL CROPS**

820201	Almonds	620207p	Tree Nuts
820202	Berry Fruit (excl. Kiwifruit)	620206p	Berry Fruit
820203	Citrus Fruit	620203	Citrus
820204	Hops	620299p	Horticultural Crops not elsewhere classified
820205	Kiwifruit	620206p	Berry Fruit
820206	Macadamias	620207p	Tree Nuts
820207	Mushrooms and Truffles	620299p	Horticultural Crops not elsewhere classified
820208	Olives	620299p	Horticultural Crops not elsewhere classified
820209	Ornamentals, Natives, Flowers and Nursery Plants	620209	Ornamentals, Australian Natives and Nursery Plants
		620299p	Horticultural Crops not elsewhere classified
820210	Pome Fruit, Pip Fruit	620202	Pome Fruit
820211	Stone Fruit	620201	Stone Fruit
820212	Table Grapes	620204p	Grapes
820213	Tree Nuts (excl. Almonds and Macadamias)	620207p	Tree Nuts
820214	Tropical Fruit	620205	Tropical Fruit
820215	Vegetables	620208	Vegetables
820299	Horticultural Crops not elsewhere classified	620299p	Horticultural Crops not elsewhere classified

**8203 INDUSTRIAL CROPS**

820301	Cotton	620107	Cotton
820302	Essential Oil Crops (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)	620199p	Field Crops not elsewhere classified
820303	Plant Extract Crops (e.g. Pyrethrum, Jojoba)	620199p	Field Crops not elsewhere classified
820304	Sugar	620106	Sugar
820305	Tobacco	620199p	Field Crops not elsewhere classified
820306	Wine Grapes	620204p	Grapes

**82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS** *continued*

820399 Industrial Crops not elsewhere classified 620199p Field Crops not elsewhere classified

**8204 SUMMER GRAINS AND OILSEEDS**

820401 Maize	620104p Other Cereals
820402 Rice	620103 Rice
820403 Safflower Seed	620105p Oilseeds
820404 Sorghum	620104p Other Cereals
820405 Soybeans	620105p Oilseeds
820499 Summer Grains and Oilseeds not elsewhere classified	620199p Field Crops not elsewhere classified

**8205 WINTER GRAINS AND OILSEEDS**

820501 Barley	620102 Barley
820502 Canola	620105p Oilseeds
820503 Grain Legumes	620108 Grain Legumes
820504 Linseed	620105p Oilseeds
820505 Lupins	620199p Field Crops not elsewhere classified
820506 Oats	620104p Other Cereals
820507 Wheat	620101 Wheat
820599 Winter Grains and Oilseeds not elsewhere classified	620199p Field Crops not elsewhere classified

**8206 HARVESTING AND PACKING OF PLANT PRODUCTS**

820601 Cotton Lint and Cotton Seed	620404 Cotton Lint and Cotton Seed
820602 Fresh Fruits and Vegetables (Post Harvest)	620401 Fresh Fruit and Vegetables (Post Harvest)
820603 Sugar Cane (Cut for Crushing)	620499p Primary Plant Products not elsewhere classified
820604 Tobacco Leaf	620403 Tobacco Leaf
820605 Unprocessed Grains	620402p Unprocessed Cereals
820606 Unprocessed Industrial Crops (excl. Sugar, Tobacco and Cotton)	620499p Primary Plant Products not elsewhere classified
820607 Unprocessed Oilseeds	620402p Unprocessed Cereals
820699 Harvesting and Packing of Plant Products not elsewhere classified	620499p Primary Plant Products not elsewhere classified

**8298 ENVIRONMENTALLY SUSTAINABLE PLANT PRODUCTION**

829801 Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)	620501p Field Crops
	620502p Horticultural Crops
	620503p Forestry
829802 Management of Greenhouse Gas Emissions from Plant Production	620504p Primary Products from Plants
	620501p Field Crops
	620502p Horticultural Crops
829803 Management of Liquid Waste from Plant Production (excl. Water)	620503p Forestry
	620504p Primary Products from Plants
	620501p Field Crops
829804 Management of Solid Waste from Plant Production	620502p Horticultural Crops
	620503p Forestry
	620504p Primary Products from Plants
	620501p Field Crops
829805 Management of Water Consumption by Plant Production	620502p Horticultural Crops
	620503p Forestry
	620504p Primary Products from Plants
	620501p Field Crops
829899 Environmentally Sustainable Plant Production not elsewhere classified	620502p Horticultural Crops
	620503p Forestry
	620504p Primary Products from Plants
	620501p Field Crops

**8299 OTHER PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS**

829901	Forest Product Traceability and Quality Assurance	620399p	Forestry not elsewhere classified
		620499p	Primary Plant Products not elsewhere classified
829902	Plant Product Traceability and Quality Assurance (excl. Forest Products)	620199p	Field Crops not elsewhere classified
		620299p	Horticultural Crops not elsewhere classified
		620499p	Primary Plant Products not elsewhere classified
829999	Plant Production and Plant Primary Products not elsewhere classified	620199p	Field Crops not elsewhere classified
		620299p	Horticultural Crops not elsewhere classified
		620399p	Forestry not elsewhere classified
		620499p	Primary Plant Products not elsewhere classified

**83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS**

**8301 FISHERIES - AQUACULTURE**

830101	Aquaculture Crustaceans (excl. Rock Lobster and Prawns)	630303p	Aquaculture
830102	Aquaculture Fin Fish (excl. Tuna)	630303p	Aquaculture
830103	Aquaculture Molluscs (excl. Oysters)	630303p	Aquaculture
830104	Aquaculture Oysters	630303p	Aquaculture
830105	Aquaculture Prawns	630303p	Aquaculture
830106	Aquaculture Rock Lobster	630303p	Aquaculture
830107	Aquaculture Tuna	630303p	Aquaculture
830199	Fisheries - Aquaculture not elsewhere classified	630303p	Aquaculture

**8302 FISHERIES - WILD CAUGHT**

830201	Fisheries - Recreational	630302	Fisheries - Recreational
830202	Wild Caught Crustaceans (excl. Rock Lobster and Prawns)	630301p	Fisheries - Commercial
830203	Wild Caught Edible Molluscs	630301p	Fisheries - Commercial
830204	Wild Caught Fin Fish (excl. Tuna)	630301p	Fisheries - Commercial
830205	Wild Caught Prawns	630301p	Fisheries - Commercial
830206	Wild Caught Rock Lobster	630301p	Fisheries - Commercial
830207	Wild Caught Tuna	630301p	Fisheries - Commercial
830299	Fisheries - Wild Caught not elsewhere classified	630301p	Fisheries - Commercial
		630399p	Fish not elsewhere classified

**8303 LIVESTOCK RAISING**

830301	Beef Cattle	630103	Beef Cattle
830302	Dairy Cattle	630104	Dairy Cattle
830303	Deer	630107p	Minor Livestock (e.g. Horses, Goats, Deer)
830304	Goats	630107p	Minor Livestock (e.g. Horses, Goats, Deer)
830305	Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)	630107p	Minor Livestock (e.g. Horses, Goats, Deer)
		630199p	Livestock not elsewhere classified
830306	Horses	630107p	Minor Livestock (e.g. Horses, Goats, Deer)
830307	Minor Livestock (e.g. Alpacas, Ostriches, Crocodiles, Farmed Rabbits)	630107p	Minor Livestock (e.g. Horses, Goats, Deer)
830308	Pigs	630105	Pigs
830309	Poultry	630106	Poultry
830310	Sheep - Meat	630101	Sheep - Meat
830311	Sheep - Wool	630102	Sheep - Wool
830399	Livestock Raising not elsewhere classified	630199p	Livestock not elsewhere classified

**8304 PASTURE, BROWSE AND FODDER CROPS**

830401	Browse Crops	630203	Browse Crops
830402	Lucerne	630201p	Sown Legumes
830403	Native and Residual Pastures	630205p	Native Vegetation
830404	Non-Cereal Crops for Hay	630204p	Fodder Crops
830405	Non-Cereal Crops for Silage/Green Feed	630204p	Fodder Crops
830406	Sown Pastures (excl. Lucerne)	630202	Sown Grasses
830499	Pasture, Browse and Fodder Crops not elsewhere classified	630201p	Sown Legumes
		630205p	Native Vegetation
		630299p	Other

## SEO 2008-SEO 1998 *continued*

### 8305 PRIMARY ANIMAL PRODUCTS

830501	Eggs	630499p	Primary Animal Products not elsewhere classified
830502	Honey	630499p	Primary Animal Products not elsewhere classified
830503	Live Animals	630499p	Primary Animal Products not elsewhere classified
830504	Pearls	630499p	Primary Animal Products not elsewhere classified
830505	Raw Wool	630403	Raw Wool
830506	Unprocessed or Minimally Processed Fish	630401	Minimally Processed Fish
		630499p	Primary Animal Products not elsewhere classified
830507	Unprocessed or Minimally Processed Milk	630402	Minimally Processed Milk
		630499p	Primary Animal Products not elsewhere classified
830599	Primary Animal Products not elsewhere classified	630404	Hides and skins
		630499p	Primary Animal Products not elsewhere classified

### 8398 ENVIRONMENTALLY SUSTAINABLE ANIMAL PRODUCTION

839801	Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals
839802	Management of Greenhouse Gas Emissions from Animal Production	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals
839803	Management of Liquid Waste from Animal Production (excl. Water)	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals
839804	Management of Solid Waste from Animal Production	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals
839805	Management of Water Consumption by Animal Production	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals
839899	Environmentally Sustainable Animal Production not elsewhere classified	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		630503p	Fish
		630504p	Primary Products from Animals

### 8399 OTHER ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS

839901	Animal Welfare	630199p	Livestock not elsewhere classified
		630399p	Fish not elsewhere classified
		630499p	Primary Animal Products not elsewhere classified
839902	Fish Product Traceability and Quality Assurance	630399p	Fish not elsewhere classified
		630499p	Primary Animal Products not elsewhere classified
839903	Livestock Product Traceability and Quality Assurance	630199p	Livestock not elsewhere classified
		630499p	Primary Animal Products not elsewhere classified
839999	Animal Production and Animal Primary Products not elsewhere classified	630199p	Livestock not elsewhere classified
		630299p	Other
		630399p	Fish not elsewhere classified
		630499p	Primary Animal Products not elsewhere classified

## 84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES)

### 8401 MINERAL EXPLORATION

840101	Aluminium Ore Exploration	640102	Aluminium Ores
840102	Copper Ore Exploration	640105p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
840103	Diamond Exploration	640199p	Other Non-Metallic Minerals (incl. Diamonds)
840104	Iron Ore Exploration	640101	Iron Ores (i.e. Ferrous Ores)
840105	Precious (Noble) Metal Ore Exploration	640103	Precious (Noble) Metal Ores
840106	Stone and Clay Exploration	640106	Stone and Clay
840107	Titanium Minerals, Zircon, and Rare Earth Metal Ore (e.g. Monazite) Exploration	640104	Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)
840108	Zinc Ore Exploration	640105p	Other Non-Ferrous Ores (e.g. Copper, Zinc)

**84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES) *continued***

840199	Mineral Exploration not elsewhere classified	640105p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
		640199p	Other Non-Metallic Minerals (incl. Diamonds)

**8402 PRIMARY MINING AND EXTRACTION OF MINERAL RESOURCES**

840201	Mining and Extraction of Aluminium Ores	640202	Aluminium Ores
840202	Mining and Extraction of Copper Ores	640205p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
840203	Mining and Extraction of Diamonds	640299p	Other Non-Metallic Minerals (incl. Diamonds)
840204	Mining and Extraction of Iron Ores	640201	Iron Ores (i.e. Ferrous Ores)
840205	Mining and Extraction of Precious (Noble) Metal Ores	640203	Precious (Noble) Metal Ores
840206	Mining and Extraction of Stone and Clay	640206	Stone and Clay
840207	Mining and Extraction of Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)	640204	Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)
840208	Mining and Extraction of Zinc Ores	640205p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
840299	Primary Mining and Extraction of Mineral Resources not elsewhere classified	640205p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
		640299p	Other Non-Metallic Minerals (incl. Diamonds)

**8403 FIRST STAGE TREATMENT OF ORES AND MINERALS**

840301	Alumina Production	640302	Alumina Production
840302	Beneficiation of Bauxite and Aluminium Ores (excl. Alumina Production)	640303	Other Beneficiation of Bauxite and Aluminium Ores
840303	Beneficiation or Dressing of Iron Ores	640301	Beneficiation or Dressing of Iron Ores
840304	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)	640306	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)
840305	Concentrating Processes of Base Metal Ores (excl. Aluminium and Iron Ores)	640304	Concentrating Processes of Other Base Metal Ores
840306	Production of Unrefined Precious Metal Ingots and Concentrates	640305	Production of Unrefined Precious Metal Ingots and Concentrates
840399	First Stage Treatment of Ores and Minerals not elsewhere classified	640399p	Other

**8498 ENVIRONMENTALLY SUSTAINABLE MINERAL RESOURCE ACTIVITIES**

849801	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals
849802	Management of Greenhouse Gas Emissions from Mineral Resource Activities	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals
849803	Management of Liquid Waste from Mineral Resource Activities (excl. Water)	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals
849804	Management of Solid Waste from Mineral Resource Activities	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals
849805	Management of Water Consumption by Mineral Resource Activities	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals
849899	Environmentally Sustainable Mineral Resource Activities not elsewhere classified	640401p	Exploration
		640402p	Primary Mining and Extraction Processes
		640403p	First Stage Treatment of Ores and Minerals

**8499 OTHER MINERAL RESOURCES (EXCL. ENERGY RESOURCES)**

849999	Mineral Resources (excl. Energy Resources) not elsewhere classified	640105p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
		640199p	Other Non-Metallic Minerals (incl. Diamonds)
		640205p	Other Non-Ferrous Ores (e.g. Copper, Zinc)
		640299p	Other Non-Metallic Minerals (incl. Diamonds)
		640399p	Other

**85 ENERGY**

**8501 ENERGY EXPLORATION**

850101	Coal Exploration	650102	Coal
850102	Geothermal Exploration	650199p	Other
850103	Oil and Gas Exploration	650103	Oil and Gas
850104	Oil Shale and Tar Sands Exploration	650104	Oil Shale and Tar Sands
850105	Uranium Exploration	650101	Uranium
850199	Energy Exploration not elsewhere classified	650199p	Other

**8502 MINING AND EXTRACTION OF ENERGY RESOURCES**

850201	Coal Mining and Extraction	650202	Coal
850202	Geothermal Energy Extraction	650299p	Other
850203	Oil and Gas Extraction	650203	Oil and Gas
850204	Oil Shale and Tar Sands Mining and Extraction	650204	Oil Shale and Tar Sands
850205	Uranium Mining and Extraction	650201	Uranium
850299	Mining and Extraction of Energy Resources not elsewhere classified	650299p	Other

**8503 PREPARATION AND PRODUCTION OF ENERGY SOURCES**

850301	Hydrogen Production from Fossil Fuels	659999p	Other (e.g. Safety)
850302	Hydrogen Production from Nuclear Energy	659999p	Other (e.g. Safety)
850303	Hydrogen Production from Renewable Energy	659999p	Other (e.g. Safety)
850304	Oil and Gas Refining	650303	Oil and Gas
		660105p	Refined Oil and Gas
850305	Preparation of Black Coal	650302p	Coal
850306	Preparation of Brown Coal (Lignite)	650302p	Coal
850307	Preparation of Oil Shale and Tar Sands	650304	Oil Shale and Tar Sands
850308	Preparation of Uranium	650301	Uranium
850309	Production of Biofuels (Biomass)	659999p	Other (e.g. Safety)
850399	Preparation and Production of Energy Sources not elsewhere classified	650399	Energy Minerals not elsewhere classified

**8504 ENERGY TRANSFORMATION**

850401	Fuel Cells (excl. Solid Oxide)	660199p	Energy Transformation not elsewhere classified
850402	Hydrogen-based Energy Systems (incl. Internal Hydrogen Combustion Engines)	660199p	Energy Transformation not elsewhere classified
850403	Nuclear Energy	660104	Nuclear
850404	Solid Oxide Fuel Cells	660199p	Energy Transformation not elsewhere classified
850405	Transformation of Black Coal into Electricity	660101p	Coal - Electricity
850406	Transformation of Brown Coal (Lignite) into Electricity	660101p	Coal - Electricity
850407	Transformation of Coal into Gaseous Fuels	660103p	Coal - Other Purposes
850408	Transformation of Coal into Liquid Fuels	660102	Coal - Conversion to Liquids
850409	Transformation of Gas into Electricity	660105p	Refined Oil and Gas
850410	Transformation of Gas into Liquid Fuels	660106	Gas - Conversion to Liquid Fuels
850499	Energy Transformation not elsewhere classified	660103p	Coal - Other Purposes
		660107	Oil Shale and Tar Sands - Conversion to Liquid Fuels
		660199p	Energy Transformation not elsewhere classified

**8505 RENEWABLE ENERGY**

850501	Biofuel (Biomass) Energy	660299p	Renewable Energy not elsewhere classified (e.g. Geothermal)
850502	Geothermal Energy	660299p	Renewable Energy not elsewhere classified (e.g. Geothermal)
850503	Hydro-Electric Energy	660201	Hydro-Electric
850504	Solar-Photovoltaic Energy	660205	Solar-Photoelectric
850505	Solar-Thermal Electric Energy	660206	Solar-Thermal Electric
850506	Solar-Thermal Energy	660204	Solar-Thermal
850507	Tidal Energy	660203p	Ocean
850508	Wave Energy	660203p	Ocean
850509	Wind Energy	660202	Wind
850599	Renewable Energy not elsewhere classified	660299p	Renewable Energy not elsewhere classified (e.g. Geothermal)



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### 8506 ENERGY STORAGE, DISTRIBUTION AND SUPPLY

850601	Energy Services and Utilities	710101	Electricity Services and Utilities
		710102	Gas Services and Utilities
850602	Energy Storage (excl. Hydrogen)	660303p	Energy Storage
850603	Energy Systems Analysis	660304	Energy Systems Analysis
850604	Energy Transmission and Distribution (excl. Hydrogen)	660301	Electricity Transmission
		660302	Gas Distribution
850605	Hydrogen Distribution	660399p	Energy Distribution not elsewhere classified
850606	Hydrogen Storage	660303p	Energy Storage
850699	Energy Storage, Distribution and Supply not elsewhere classified	660399p	Energy Distribution not elsewhere classified

### 8507 ENERGY CONSERVATION AND EFFICIENCY

850701	Commercial Energy Conservation and Efficiency	660402p	Residential and Commercial
850702	Energy Conservation and Efficiency in Transport	660403	Transport
850703	Industrial Energy Conservation and Efficiency	660401	Industry
850704	Residential Energy Conservation and Efficiency	660402p	Residential and Commercial
850799	Energy Conservation and Efficiency not elsewhere classified	660499	Other

### 8598 ENVIRONMENTALLY SUSTAINABLE ENERGY ACTIVITIES

859801	Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)	650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660501p	Energy Transformation
		660502p	Renewable Energy
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency
859802	Management of Greenhouse Gas Emissions from Electricity Generation	660501p	Energy Transformation
859803	Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)	660502p	Renewable Energy
		650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency
859804	Management of Liquid Waste from Energy Activities (excl. Water)	650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660501p	Energy Transformation
		660502p	Renewable Energy
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency
859805	Management of Solid Waste from Energy Activities	650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660501p	Energy Transformation
		660502p	Renewable Energy
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency
859806	Management of Water Consumption by Energy Activities	650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660501p	Energy Transformation
		660502p	Renewable Energy
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency
859899	Environmentally Sustainable Energy Activities not elsewhere classified	650401p	Exploration
		650402p	Mining and Extraction
		650403p	Preparation and Supply of Energy Source Minerals
		660501p	Energy Transformation
		660502p	Renewable Energy
		660503p	Energy Storage and Distribution
		660504p	Conservation and Efficiency

**8599 OTHER ENERGY**

859999	Energy not elsewhere classified	659999p	Other (e.g. Safety)
		669999p	Other

**86 MANUFACTURING**

**8601 PROCESSED FOOD PRODUCTS AND BEVERAGES (EXCL. DAIRY PRODUCTS)**

860101	Bakery Products	670107p	Grain Mill Products, Starch and Starch Products (incl. Sugar, Bakery Products)
860102	Beverages (excl. Fruit Juices)	670108	Beverages (e.g. Alcohol, Wines, Soft Drinks, excl. Fruit Juices)
860103	Carcass Meat (incl. Fish and Seafood)	670101	Carcass Meat
860104	Flour Mill and Cereal Food	670107p	Grain Mill Products, Starch and Starch Products (incl. Sugar, Bakery Products)
860105	Nutraceuticals and Functional foods	670199p	Processed Food Products and Beverages not elsewhere classified
860106	Oils and Fats (incl. Margarines)	670106	Oils and Fats (incl. Margarines)
860107	Processed Fish and Seafood Products	670103	Fish Products
860108	Processed Fruit and Vegetable Products (incl. Fruit Juices)	670104	Fruit and Vegetable Products (incl. Fruit Juices)
860109	Processed Meat Products	670102	Meat Products
860110	Soy Products	670199p	Processed Food Products and Beverages not elsewhere classified
860111	Sugar and Confectionery Products	670107p	Grain Mill Products, Starch and Starch Products (incl. Sugar, Bakery Products)
860199	Processed Food Products and Beverages (excl. Dairy Products) not elsewhere classified	670199p	Processed Food Products and Beverages not elsewhere classified

**8602 DAIRY PRODUCTS**

860201	Butter and Milk-Derived Fats and Oils (excl. Cream)	670105p	Dairy Products
860202	Casein	670105p	Dairy Products
860203	Cheese	670105p	Dairy Products
860204	Processed Milk and Cream (incl. Powder, Evaporated and Condensed)	670105p	Dairy Products
860205	Whey	670105p	Dairy Products
860299	Dairy Products not elsewhere classified	670105p	Dairy Products

**8603 PROCESSED NON-FOOD AGRICULTURE PRODUCTS (EXCL. WOOD, PAPER AND FIBRE)**

860301	Essential Oils (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)	671699p	Manufactured Products not elsewhere classified
860302	Organic Fertilisers	671699p	Manufactured Products not elsewhere classified
860303	Plant Extracts (e.g. Pyrethrum, Alkaloids, Jojoba Oil)	671699p	Manufactured Products not elsewhere classified
860304	Prepared Animal Feed	671699p	Manufactured Products not elsewhere classified
860399	Processed Non-Food Agricultural Products (excl. Wood, Paper and Fibre) not elsewhere classified	671601	Tobacco Products
		671699p	Manufactured Products not elsewhere classified

**8604 LEATHER PRODUCTS, FIBRE PROCESSING AND TEXTILES**

860401	Clothing	670207	Clothing
860402	Cotton Ginning	670201	Cotton Ginning
860403	Natural Fibres, Yarns and Fabrics	670203	Natural Fibres, Yarns and Fabrics
860404	Non-Fabric Textiles (e.g. Felt)	670205p	Other Fibre Processing and Textiles
860405	Processed Skins, Leather and Leather Products	670206	Processed Skins, Leather and Leather Products not elsewhere classified
860406	Synthetic Fibres, Yarns and Fabrics	670204	Synthetic Fibres, Yarns and Fabrics
860407	Wool Scouring and Top Making	670202	Wool Scouring and Top Making
860499	Leather Products, Fibre Processing and Textiles not elsewhere classified	670205p	Other Fibre Processing and Textiles
		670208	Footwear
		670299	Other

**8605 WOOD, WOOD PRODUCTS AND PAPER**

860501	Paper Products (incl. Coated Paper)	670307	Paper Products
		670399p	Other
860502	Printing and Publishing Processes	670308	Printing and Publishing Processes
860503	Pulp and Paper	670303	Pulp and Paper
860504	Reconstituted Timber Products (e.g. Chipboard, Particleboard)	670304	Reconstituted Timber Products (e.g. Chipboard, Particleboard)
860505	Wood Sawing and Veneer	670301	Hardwood Sawing and Veneer
		670302	Softwood Sawing and Veneer

**86 MANUFACTURING** *continued*

860599	Wood, Wood Products and Paper not elsewhere classified	670305	Woodchips
		670306	Wood Products not elsewhere classified
		670399p	Other

**8606 INDUSTRIAL CHEMICALS AND RELATED PRODUCTS**

860601	Industrial Gases	670701	Industrial Gases
860602	Inorganic Industrial Chemicals	670707	Inorganic Industrial Chemicals
860603	Lubricants	670711	Lubricants
860604	Organic Industrial Chemicals (excl. Resins, Rubber and Plastics)	670706	Organic Industrial Chemicals not elsewhere classified
860605	Paints	670708	Paints
860606	Plastics in Primary Forms	670704	Plastics in Primary Forms
860607	Plastic Products (incl. Construction Materials)	670705	Plastic Products (incl. Construction Materials)
860608	Rubber and Synthetic Resins	670702	Synthetic Resins and Rubber
		670703	Rubber Products
860609	Soaps and Cosmetics	670709	Soaps and Cosmetics
860699	Industrial Chemicals and Related Products not elsewhere classified	670710	Bituminous Products
		670799	Other

**8607 AGRICULTURAL CHEMICALS**

860701	Animal Protection Chemicals	670602p	Crop and Animal Protection Chemicals
860702	Chemical Fertilisers	670601	Chemical Fertilisers
860703	Crop Protection Chemicals	670602p	Crop and Animal Protection Chemicals
860799	Agricultural Chemicals not elsewhere classified	670699	Agricultural Chemicals not elsewhere classified

**8608 HUMAN PHARMACEUTICAL PRODUCTS**

860801	Human Biological Preventatives (e.g. Vaccines)	670401	Prevention - Biologicals (e.g. Vaccines)
860802	Human Diagnostics	670402	Diagnostics
860803	Human Pharmaceutical Treatments (e.g. Antibiotics)	670403	Treatments (e.g. Chemicals, Antibiotics)
860899	Human Pharmaceutical Products not elsewhere classified	670499	Other

**8609 VETERINARY PHARMACEUTICAL PRODUCTS**

860901	Veterinary Biological Preventatives (e.g. Vaccines)	670501	Prevention - Biologicals (e.g. Vaccines)
860902	Veterinary Diagnostics	670502	Diagnostics
860903	Veterinary Pharmaceutical Treatments (e.g. Antibiotics)	670503	Treatments (e.g. Chemicals, Antibiotics)
860999	Veterinary Pharmaceutical Products not elsewhere classified	670599	Other (incl. Production Enhancement)

**8610 CERAMICS, GLASS AND INDUSTRIAL MINERAL PRODUCTS**

861001	Cement Products and Concrete Materials	670904	Cement and Concrete Materials
861002	Ceramics	670901	Ceramics
861003	Clay Products	670903	Clay Products
861004	Plaster and Plaster Products	670999p	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
861005	Structural Glass and Glass Products	670902	Structural Glass and Glass Products
861099	Ceramics, Glass and Industrial Mineral Products not elsewhere classified	670999p	Ceramics, Glass and Industrial Mineral Products not elsewhere classified

**8611 BASIC METAL PRODUCTS (INCL. SMELTING, ROLLING, DRAWING AND EXTRUDING)**

861101	Basic Aluminium Products	670802	Aluminium
861102	Basic Copper Products	670899p	Other Non-Ferrous Metals (e.g. Copper, Zinc)
861103	Basic Iron and Steel Products	670801	Iron and Steel (e.g. Ingots, Bars, Rods, Shapes and Sections)
861104	Basic Precious Metal Products	670803	Precious Metals (e.g. Refined Bullion, Wire and Strip)
861105	Basic Zinc Products	670899p	Other Non-Ferrous Metals (e.g. Copper, Zinc)
861199	Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding) not elsewhere classified	670899p	Other Non-Ferrous Metals (e.g. Copper, Zinc)

**8612 FABRICATED METAL PRODUCTS**

861201	Coated Metal and Metal-Coated Products	671099p	Fabricated Metal Products not elsewhere classified
861202	Machined Metal Products	671005	Machined Products
861203	Metal Castings	671004	Castings
861204	Semi-Finished Metal Products	671003	Semi-Finished Metal Products
861205	Sheet Metal Products	671002	Sheet Metal Products
861206	Structural Metal Products	671001	Structural Metal Products
861299	Fabricated Metal Products not elsewhere classified	671099p	Fabricated Metal Products not elsewhere classified

**8613 TRANSPORT EQUIPMENT**

861301	Aerospace Equipment	671104	Aerospace Equipment
861302	Automotive Equipment	671101	Automotive Equipment
861303	Nautical Equipment (excl. Yachts)	671103p	Nautical Equipment
861304	Rail Equipment	671102	Rail Equipment
861305	Yachts	671103p	Nautical Equipment
861399	Transport Equipment not elsewhere classified	671199	Transport Equipment not elsewhere classified

**8614 MACHINERY AND EQUIPMENT**

861401	Agricultural Machinery and Equipment	671501	Agricultural Machinery and Equipment
861402	Appliances and Electrical Machinery and Equipment	671503	Appliances and Electrical Machinery and Equipment
861403	Industrial Machinery and Equipment	671504	Industrial Machinery and Equipment
861404	Mining Machinery and Equipment	671502	Mining Machinery and Equipment
861499	Machinery and Equipment not elsewhere classified	671505	Construction Machinery and Equipment
		671599	Machinery and Equipment not elsewhere classified

**8615 INSTRUMENTATION**

861501	Industrial Instruments	671403	Industrial Instrumentation
861502	Medical Instruments	671402	Medical Instrumentation
861503	Scientific Instruments	671401	Scientific Instrumentation
861599	Instrumentation not elsewhere classified	671404	Photographic Equipment
		671499	Instrumentation not elsewhere classified

**8616 COMPUTER HARDWARE AND ELECTRONIC EQUIPMENT**

861601	Computer and Electronic Office Equipment	671204	Electronic Office Equipment
861602	Consumer Electronic Equipment (excl. Communication Equipment)	671205	Computer Equipment
861603	Integrated Circuits and Devices	671299p	Computer Hardware and Electronic Equipment not elsewhere classified
861604	Integrated Systems	671201	Integrated Circuits and Devices
861605	Processor Modules	671206	Integrated Systems
861606	Satellite Navigation Equipment	671202	Modules - Special and Attached Processors
861699	Computer Hardware and Electronic Equipment not elsewhere classified	671203	Modules - Other Processes
		671299p	Computer Hardware and Electronic Equipment not elsewhere classified
		671299p	Computer Hardware and Electronic Equipment not elsewhere classified

**8617 COMMUNICATION EQUIPMENT**

861701	Network Infrastructure Equipment	671305	Network Transmission Equipment
861702	Telemetry Equipment	671306	Network Switching Equipment
861703	Voice and Data Equipment	671399p	Communication Equipment not elsewhere classified
861799	Communication Equipment not elsewhere classified	671303	Voice Equipment
		671304	Data, Image and Text Equipment
		671301	Broadcasting Equipment
		671302	Postal Equipment
		671399p	Communication Equipment not elsewhere classified

**8698 ENVIRONMENTALLY SUSTAINABLE MANUFACTURING**

869801	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)	671701p	Processed Food Products and Beverages
		671702p	Fibre Processing and Textiles; Footwear and Leather Products
		671703p	Wood, Wood Products and Paper
		671704p	Human Pharmaceutical Products
		671705p	Veterinary Pharmaceutical Products
		671706p	Agricultural Chemicals
		671707p	Industrial Chemicals and Related Products
		671708p	Basic Metal Products (incl. Smelting)
		671709p	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
		671710p	Fabricated Metal Products
		671711p	Transport Equipment
		671712p	Computer Hardware and Electronic Equipment
		671713p	Communication Equipment
		671714p	Instrumentation
		671715p	Machinery and Equipment
		671716p	Other Manufactured Products
869802	Management of Greenhouse Gas Emissions from Manufacturing Activities	671701p	Processed Food Products and Beverages

86 MANUFACTURING *continued*

	671702p	Fibre Processing and Textiles; Footwear and Leather Products
	671703p	Wood, Wood Products and Paper
	671704p	Human Pharmaceutical Products
	671705p	Veterinary Pharmaceutical Products
	671706p	Agricultural Chemicals
	671707p	Industrial Chemicals and Related Products
	671708p	Basic Metal Products (incl. Smelting)
	671709p	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
	671710p	Fabricated Metal Products
	671711p	Transport Equipment
	671712p	Computer Hardware and Electronic Equipment
	671713p	Communication Equipment
	671714p	Instrumentation
	671715p	Machinery and Equipment
	671716p	Other Manufactured Products
	671701p	Processed Food Products and Beverages
869803	Management of Liquid Waste from Manufacturing Activities (excl. Water)	671702p Fibre Processing and Textiles; Footwear and Leather Products
		671703p Wood, Wood Products and Paper
		671704p Human Pharmaceutical Products
		671705p Veterinary Pharmaceutical Products
		671706p Agricultural Chemicals
		671707p Industrial Chemicals and Related Products
		671708p Basic Metal Products (incl. Smelting)
		671709p Ceramics, Glass and Industrial Mineral Products not elsewhere classified
		671710p Fabricated Metal Products
		671711p Transport Equipment
		671712p Computer Hardware and Electronic Equipment
		671713p Communication Equipment
		671714p Instrumentation
		671715p Machinery and Equipment
		671716p Other Manufactured Products
		671701p Processed Food Products and Beverages
869804	Management of Solid Waste from Manufacturing Activities	671702p Fibre Processing and Textiles; Footwear and Leather Products
		671703p Wood, Wood Products and Paper
		671704p Human Pharmaceutical Products
		671705p Veterinary Pharmaceutical Products
		671706p Agricultural Chemicals
		671707p Industrial Chemicals and Related Products
		671708p Basic Metal Products (incl. Smelting)
		671709p Ceramics, Glass and Industrial Mineral Products not elsewhere classified
		671710p Fabricated Metal Products
		671711p Transport Equipment
		671712p Computer Hardware and Electronic Equipment
		671713p Communication Equipment
		671714p Instrumentation
		671715p Machinery and Equipment
		671716p Other Manufactured Products
		671701p Processed Food Products and Beverages
869805	Management of Water Consumption by Manufacturing Activities	671702p Fibre Processing and Textiles; Footwear and Leather Products
		671703p Wood, Wood Products and Paper
		671704p Human Pharmaceutical Products
		671705p Veterinary Pharmaceutical Products
		671706p Agricultural Chemicals
		671707p Industrial Chemicals and Related Products
		671708p Basic Metal Products (incl. Smelting)
		671709p Ceramics, Glass and Industrial Mineral Products not elsewhere classified
		671710p Fabricated Metal Products
		671711p Transport Equipment

**86 MANUFACTURING** *continued*

	671712p	Computer Hardware and Electronic Equipment
	671713p	Communication Equipment
	671714p	Instrumentation
	671715p	Machinery and Equipment
	671716p	Other Manufactured Products
869899	671701p	Environmentally Sustainable Manufacturing not elsewhere classified
	671702p	Fibre Processing and Textiles; Footwear and Leather Products
	671703p	Wood, Wood Products and Paper
	671704p	Human Pharmaceutical Products
	671705p	Veterinary Pharmaceutical Products
	671706p	Agricultural Chemicals
	671707p	Industrial Chemicals and Related Products
	671708p	Basic Metal Products (incl. Smelting)
	671709p	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
	671710p	Fabricated Metal Products
	671711p	Transport Equipment
	671712p	Computer Hardware and Electronic Equipment
	671713p	Communication Equipment
	671714p	Instrumentation
	671715p	Machinery and Equipment
	671716p	Other Manufactured Products

**8699 OTHER MANUFACTURING**

869901	Furniture	671602	Furniture
869999	Manufacturing not elsewhere classified	671603	Prefabricated Buildings
		671699p	Manufactured Products not elsewhere classified

**87 CONSTRUCTION**

**8701 CONSTRUCTION PLANNING**

870101	Civil Construction Planning	680103	Civil
870102	Commercial Construction Planning	680102	Commercial
870103	Regional Planning	680199p	Other
		750804	Regional Planning
870104	Residential Construction Planning	680101	Housing
870105	Urban Planning	680199p	Other
		750803	Urban Planning
870199	Construction Planning not elsewhere classified	680104	Industrial
		680199p	Other

**8702 CONSTRUCTION DESIGN**

870201	Civil Construction Design	680203	Civil
870202	Commercial Construction Design	680202	Commercial
870203	Industrial Construction Design	680204	Industrial
870204	Residential Construction Design	680201	Housing
870299	Construction Design not elsewhere classified	680299p	Other

**8703 CONSTRUCTION MATERIALS PERFORMANCE AND PROCESSES**

870301	Cement and Concrete Materials	680302	Cement and Concrete Materials
870302	Metals (e.g. Composites, Coatings, Bonding)	680305	Metals (Composites, Coatings, Bonding, etc.)
870303	Polymeric Materials (e.g. Paints)	680303	Polymeric Materials (e.g. Paints)
870304	Stone, Ceramics and Clay Materials	680301	Stone, Ceramics and Clay Materials
870305	Timber Materials	680304	Timber Materials
870399	Construction Materials Performance and Processes not elsewhere classified	680399p	Other

**8704 CONSTRUCTION PROCESSES**

870401	Civil Construction Processes	680403	Civil
870402	Commercial Construction Processes	680402	Commercial
870403	Industrial Construction Processes	680404	Industrial
870404	Residential Construction Processes	680401	Housing
870499	Construction Processes not elsewhere classified	680499p	Other

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### 8705 BUILDING MANAGEMENT AND SERVICES

870501	Civil Building Management and Services	680503	Civil
870502	Commercial Building Management and Services	680502	Commercial
870503	Residential Building Management and Services	680501	Housing
870599	Building Management and Services not elsewhere classified	680504	Industrial
		680599p	Other

### 8798 ENVIRONMENTALLY SUSTAINABLE CONSTRUCTION

879801	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services
879802	Management of Greenhouse Gas Emissions from Construction Activities	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services
879803	Management of Liquid Waste from Construction Activities (excl. Water)	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services
879804	Management of Solid Waste from Construction Activities	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services
879805	Management of Water Consumption by Construction Activities	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services
879899	Environmentally Sustainable Construction not elsewhere classified	680601p	Planning
		680602p	Design
		680603p	Materials Performance and Processes
		680604p	Construction Processes
		680605p	Building Management and Services

### 8799 OTHER CONSTRUCTION

879999	Construction not elsewhere classified	680199p	Other
		680299p	Other
		680399p	Other
		680499p	Other
		680599p	Other

## 88 TRANSPORT

### 8801 GROUND TRANSPORT

880101	Rail Freight	690103p	Rail Transport
880102	Rail Infrastructure and Networks	690103p	Rail Transport
		690199p	Ground Transport not elsewhere classified
880103	Rail Passenger Movements	690103p	Rail Transport
880104	Rail Safety	690103p	Rail Transport
		690199p	Ground Transport not elsewhere classified
880105	Road Freight	690102p	Other Road Transport
880106	Road Infrastructure and Networks	690102p	Other Road Transport
		690199p	Ground Transport not elsewhere classified
880107	Road Passenger Movements (excl. Public Transport)	690102p	Other Road Transport
880108	Road Public Transport	690102p	Other Road Transport
880109	Road Safety	690101	Road Safety
880199	Ground Transport not elsewhere classified	690199p	Ground Transport not elsewhere classified

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### 8802 WATER TRANSPORT

880201	Coastal Sea Freight Transport	690202p	Coastal Water Transport
880202	International Sea Freight Transport (excl. Live Animal Transport)	690201p	International Sea Transport
880203	International Sea Transport of Live Animals	690201p	International Sea Transport
880204	Passenger Water Transport	690201p	International Sea Transport
		690202p	Coastal Water Transport
		690203p	Inland Water Transport
880205	Port Infrastructure and Management	690499p	Transport not elsewhere classified
880206	Water Safety	690201p	International Sea Transport
		690202p	Coastal Water Transport
		690203p	Inland Water Transport
		690499p	Transport not elsewhere classified
880299	Water Transport not elsewhere classified	690499p	Transport not elsewhere classified

### 8803 AEROSPACE TRANSPORT

880301	Air Freight	690301p	Air Transport
880302	Air Passenger Transport	690301p	Air Transport
880303	Air Safety	690301p	Air Transport
		690499p	Transport not elsewhere classified
880304	Air Terminal Infrastructure and Management	690499p	Transport not elsewhere classified
880305	Space Transport	690302	Space Transport
880399	Aerospace Transport not elsewhere classified	690499p	Transport not elsewhere classified

### 8898 ENVIRONMENTALLY SUSTAINABLE TRANSPORT

889801	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889802	Management of Greenhouse Gas Emissions from Transport Activities	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889803	Management of Liquid Waste from Transport Activities (excl. Water)	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889804	Management of Noise and Vibration from Transport Activities	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889805	Management of Solid Waste from Transport Activities	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889806	Management of Water Consumption by Transport Activities	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport
889899	Environmentally Sustainable Transport not elsewhere classified	690501p	Ground Transport
		690502p	Water Transport
		690503p	Air Transport
		690504p	Other Transport

### 8899 OTHER TRANSPORT

889901	Intermodal Materials Handling	690402	Intermodal Materials Handling
889902	Multimodal Transport	690401	Multimodal Transport
889903	Pipeline Transport	690499p	Transport not elsewhere classified
889904	Postal and Package Services (incl. Courier Services)	690499p	Transport not elsewhere classified
		700303	Postal Communications
889999	Transport not elsewhere classified	690499p	Transport not elsewhere classified



**89 INFORMATION AND COMMUNICATION SERVICES**

**8901 COMMUNICATION NETWORKS AND SERVICES**

890101	Fixed Line Data Networks and Services	700302p	Telecommunications
890102	Fixed Line Telephone Networks and Services	700302p	Telecommunications
890103	Mobile Data Networks and Services	700302p	Telecommunications
890104	Mobile Telephone Networks and Services	700302p	Telecommunications
890105	Satellite Communication Networks and Services	700302p	Telecommunications
890106	Videoconference Services	700399p	Communication Services not elsewhere classified
890199	Communication Networks and Services not elsewhere classified	700399p	Communication Services not elsewhere classified

**8902 COMPUTER SOFTWARE AND SERVICES**

890201	Application Software Packages (excl. Computer Games)	700101p	Application Packages
890202	Application Tools and System Utilities	700102	Application Tools and System Utilities
890203	Computer Gaming Software	700101p	Application Packages
890204	Computer Time Leasing, Sharing and Renting Services	700199p	Computer Software and Services not elsewhere classified
890205	Information Processing Services (incl. Data Entry and Capture)	700103	Information Processing Services
890206	Internet Hosting Services (incl. Application Hosting Services)	700199p	Computer Software and Services not elsewhere classified
890299	Computer Software and Services not elsewhere classified	700199p	Computer Software and Services not elsewhere classified

**8903 INFORMATION SERVICES**

890301	Electronic Information Storage and Retrieval Services	700299p	Information Services not elsewhere classified
890302	Library and Archival Services	700201	Library and Related Information Services
890303	News Collection Services	700299p	Information Services not elsewhere classified
890399	Information Services not elsewhere classified	700299p	Information Services not elsewhere classified

**8904 MEDIA SERVICES**

890401	Animation and Computer Generated Imagery Services	700399p	Communication Services not elsewhere classified
890402	Film and Video Services (excl. Animation and Computer Generated Imagery)	700399p	Communication Services not elsewhere classified
890403	Internet Broadcasting	700301p	Broadcasting
890404	Publishing and Print Services (incl. Internet Publishing)	700399p	Communication Services not elsewhere classified
890405	Radio and Television Broadcasting	700301p	Broadcasting
890499	Media Services not elsewhere classified	700399p	Communication Services not elsewhere classified

**8998 ENVIRONMENTALLY SUSTAINABLE INFORMATION AND COMMUNICATION SERVICES**

899801	Management of Greenhouse Gas Emissions from Information and Communication Services	700401p	Prevention and Treatment of Pollution
899802	Management of Solid Waste from Information and Communication Services	700401p	Prevention and Treatment of Pollution
899803	Management of Water Consumption by Information and Communication Services	700401p	Prevention and Treatment of Pollution
899899	Environmentally Sustainable Information and Communication Services not elsewhere classified	700401p	Prevention and Treatment of Pollution

**8999 OTHER INFORMATION AND COMMUNICATION SERVICES**

899999	Information and Communication Services not elsewhere classified	700199p	Computer Software and Services not elsewhere classified
		700299p	Information Services not elsewhere classified
		700399p	Communication Services not elsewhere classified

**90 COMMERCIAL SERVICES AND TOURISM**

**9001 FINANCIAL SERVICES**

900101	Finance Services	710401p	Finance and Investment Services
900102	Investment Services (excl. Superannuation)	710401p	Finance and Investment Services
900103	Superannuation and Insurance Services	710402p	Insurance Services
900199	Financial Services not elsewhere classified	710401p	Finance and Investment Services

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### 9002 PROPERTY, BUSINESS SUPPORT SERVICES AND TRADE

900201	Administration and Business Support Services	710403p	Property and Business Services
		710699p	Commercial Services not elsewhere classified
900202	Professional, Scientific and Technical Services	710699p	Commercial Services not elsewhere classified
900203	Property Services (incl. Security)	710403p	Property and Business Services
		710603	Commercial Security Services
900204	Wholesale and Retail Trade	710301	Wholesale Trade
		710302	Retail Trade
900299	Property, Business Support Services and Trade not elsewhere classified	710699p	Commercial Services not elsewhere classified

### 9003 TOURISM

900301	Economic Issues in Tourism	710501	Economic Issues
900302	Socio-Cultural Issues in Tourism	710502	Socio-Cultural Issues
900303	Tourism Infrastructure Development	710503	Tourism Infrastructure Development
900399	Tourism not elsewhere classified	710599	Tourism not elsewhere classified

### 9004 WATER AND WASTE SERVICES

900401	Waste Management Services	710201	Waste Management
900402	Waste Recycling Services	710202	Recycling
900403	Water Recycling Services (incl. Sewage and Greywater)	710103p	Water Services and Utilities
900404	Water Services and Utilities	710103p	Water Services and Utilities
900499	Water and Waste Services not elsewhere classified	710299	Other

### 9098 ENVIRONMENTALLY SUSTAINABLE COMMERCIAL SERVICES AND TOURISM

909801	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)	710701p	Electricity, Gas and Water Services and Utilities
		710702p	Waste Management and Recycling
		710703p	Wholesale and Retail Trade
		710704p	Finance, Property and Business Services
		710705p	Tourism
909802	Management of Greenhouse Gas Emissions from Commercial Services and Tourism	710706p	Other Commercial Services
		710701p	Electricity, Gas and Water Services and Utilities
		710702p	Waste Management and Recycling
		710703p	Wholesale and Retail Trade
		710704p	Finance, Property and Business Services
909803	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)	710705p	Tourism
		710706p	Other Commercial Services
		710701p	Electricity, Gas and Water Services and Utilities
		710702p	Waste Management and Recycling
		710703p	Wholesale and Retail Trade
909804	Management of Solid Waste from Commercial Services and Tourism	710704p	Finance, Property and Business Services
		710705p	Tourism
		710706p	Other Commercial Services
		710701p	Electricity, Gas and Water Services and Utilities
		710702p	Waste Management and Recycling
909805	Management of Water Consumption by Commercial Services and Tourism	710703p	Wholesale and Retail Trade
		710704p	Finance, Property and Business Services
		710705p	Tourism
		710706p	Other Commercial Services
		710701p	Electricity, Gas and Water Services and Utilities
909899	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified	710702p	Waste Management and Recycling
		710703p	Wholesale and Retail Trade
		710704p	Finance, Property and Business Services
		710705p	Tourism
		710706p	Other Commercial Services

**9099 OTHER COMMERCIAL SERVICES AND TOURISM**

909901	Hospitality Services	710602	Hospitality Services
909902	Recreational Services	710601	Recreational Services
909999	Commercial Services and Tourism not elsewhere classified	710699p	Commercial Services not elsewhere classified

**91 ECONOMIC FRAMEWORK**

**9101 MACROECONOMICS**

910101	Balance of Payments	720104	Balance of Payments
910102	Demography	720199p	Macroeconomic Issues not elsewhere classified
910103	Economic Growth	720199p	Macroeconomic Issues not elsewhere classified
910104	Exchange Rates	720103	Exchange Rates
910105	Fiscal Policy	720101	Fiscal Policy
910106	Income Distribution	720105	Income Distribution
910107	Macro Labour Market Issues	720199p	Macroeconomic Issues not elsewhere classified
910108	Monetary Policy	720102	Monetary Policy
910109	Savings and Investments	720199p	Macroeconomic Issues not elsewhere classified
910110	Taxation	720106	Taxation
910199	Macroeconomics not elsewhere classified	720199p	Macroeconomic Issues not elsewhere classified

**9102 MICROECONOMICS**

910201	Consumption	720202	Consumption
910202	Human Capital Issues	720299p	Microeconomic Issues not elsewhere classified
910203	Industrial Organisations	720203	Industrial Organisations
910204	Industry Costs and Structure	720205	Industry Costs and Structure
910205	Industry Policy	720204	Industry Policy
910206	Market-Based Mechanisms	720299p	Microeconomic Issues not elsewhere classified
910207	Microeconomic Effects of Taxation	720201	Microeconomic Effects of Taxation
910208	Micro Labour Market Issues	720299p	Microeconomic Issues not elsewhere classified
910209	Preference, Behaviour and Welfare	720299p	Microeconomic Issues not elsewhere classified
910210	Production	720299p	Microeconomic Issues not elsewhere classified
910211	Supply and Demand	720299p	Microeconomic Issues not elsewhere classified
910299	Microeconomics not elsewhere classified	720299p	Microeconomic Issues not elsewhere classified

**9103 INTERNATIONAL TRADE**

910301	International Agreements on Trade	720303	International Agreements on Trade
910302	Trade Assistance and Protection	720302	Assistance and Protection
910303	Trade Policy	720301	Trade Policy
910399	International Trade not elsewhere classified	720399	International Trade Issues not elsewhere classified

**9104 MANAGEMENT AND PRODUCTIVITY**

910401	Industrial Relations	720402	Industrial Relations
910402	Management	720403	Management
910403	Marketing	720401	Marketing
910404	Productivity (excl. Public Sector)	720404	Productivity
910405	Public Sector Productivity	720499p	Management and Productivity Issues not elsewhere classified
910406	Technological and Organisational Innovation	729901	Technological and Organisational Innovation
910499	Management and Productivity not elsewhere classified	720499p	Management and Productivity Issues not elsewhere classified

**9105 MEASUREMENT STANDARDS AND CALIBRATION SERVICES**

910501	Agricultural and Environmental Standards	720599p	Measurement Standards and Calibration Services not elsewhere classified
910502	Defence Standards and Calibrations	720501	Defence Standards and Calibrations
910503	Manufacturing Standards and Calibrations	720502	Manufacturing Standards and Calibrations
910504	Service Industries Standards and Calibrations	720503	Service Industries Standards and Calibrations
910599	Measurement Standards and Calibration Services not elsewhere classified	720599p	Measurement Standards and Calibration Services not elsewhere classified

**9199 OTHER ECONOMIC FRAMEWORK**

919901	Carbon and Emissions Trading	729999p	Economic Issues not elsewhere classified
919902	Ecological Economics	729999p	Economic Issues not elsewhere classified
919999	Economic Framework not elsewhere classified	729999p	Economic Issues not elsewhere classified

**92 HEALTH**

**9201 CLINICAL HEALTH (ORGANS, DISEASES AND ABNORMAL CONDITIONS)**

920101	Blood Disorders	730103	Blood Disorders
920102	Cancer and Related Disorders	730108	Cancer and Related Disorders
920103	Cardiovascular System and Diseases	730106	Cardiovascular System and Diseases
920104	Diabetes	730105p	Endocrine Organs and Diseases (incl. Diabetes)
920105	Digestive System Disorders	730113	Digestive System Disorders
920106	Endocrine Organs and Diseases (excl. Diabetes)	730105p	Endocrine Organs and Diseases (incl. Diabetes)
920107	Hearing, Vision, Speech and Their Disorders	730111	Hearing, Vision, Speech and Their Disorders
920108	Immune System and Allergy	730102	Immune System and Allergy
920109	Infectious Diseases	730101	Infectious Diseases
920110	Inherited Diseases (incl. Gene Therapy)	730107	Inherited Diseases (incl. Gene Therapy)
920111	Nervous System and Disorders	730104	Nervous System and Disorders
920112	Neurodegenerative Disorders Related to Ageing	730118p	Organs, Diseases and Abnormal Conditions not elsewhere classified
		730199p	Clinical Health not specific to Particular Organs, Diseases and Conditions
920113	Oro-Dental Disorders	730112	Oro-Dental Disorders
920114	Reproductive System and Disorders	730116	Reproductive System and Disorders
920115	Respiratory System and Diseases (incl. Asthma)	730110	Respiratory System and Diseases (incl. Asthma)
920116	Skeletal System and Disorders (incl. Arthritis)	730114	Skeletal System and Disorders (incl. Arthritis)
920117	Skin and Related Disorders	730117	Skin and Related Disorders
920118	Surgical Methods and Procedures	730109	Surgical Methods and Procedures
920119	Urogenital System and Disorders	730115	Urogenital System and Disorders
920120	Zoonoses	730118p	Organs, Diseases and Abnormal Conditions not elsewhere classified
		730199p	Clinical Health not specific to Particular Organs, Diseases and Conditions
920199	Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified	730118p	Organs, Diseases and Abnormal Conditions not elsewhere classified
		730199p	Clinical Health not specific to Particular Organs, Diseases and Conditions

**9202 HEALTH AND SUPPORT SERVICES**

920201	Allied Health Therapies (excl. Mental Health Services)	730303	Occupational, Speech and Physiotherapy
		730399p	Health and Support Services not elsewhere classified
920202	Carer Health	730399p	Health and Support Services not elsewhere classified
920203	Diagnostic Methods	730305	Diagnostic Methods
920204	Evaluation of Health Outcomes	730306	Evaluation of Health Outcomes
920205	Health Education and Promotion	730301	Health Education and Promotion
920206	Health Inequalities	730399p	Health and Support Services not elsewhere classified
920207	Health Policy Economic Outcomes	730308	Health Policy Economic Outcomes
920208	Health Policy Evaluation	730307	Health Policy Evaluation
920209	Mental Health Services	730399p	Health and Support Services not elsewhere classified
920210	Nursing	730302	Nursing
920211	Palliative Care	730304	Palliative Care
920299	Health and Support Services not elsewhere classified	730399p	Health and Support Services not elsewhere classified

**9203 INDIGENOUS HEALTH**

920301	Aboriginal and Torres Strait Islander Health - Determinants of Health	730206p	Aboriginal and Torres Strait Islander Health
920302	Aboriginal and Torres Strait Islander Health - Health Status and Outcomes	730206p	Aboriginal and Torres Strait Islander Health
920303	Aboriginal and Torres Strait Islander Health - Health System Performance (incl. Effectiveness of Interventions)	730206p	Aboriginal and Torres Strait Islander Health
920304	Māori Health - Determinants of Health	730207p	Health Related to Specific Ethnic Groups
920305	Māori Health - Health Status and Outcomes	730207p	Health Related to Specific Ethnic Groups
920306	Māori Health - Health System Performance (incl. Effectiveness of Interventions)	730207p	Health Related to Specific Ethnic Groups
920307	Pacific Peoples Health - Determinants of Health	730207p	Health Related to Specific Ethnic Groups
920308	Pacific Peoples Health - Health Status and Outcomes	730207p	Health Related to Specific Ethnic Groups
920309	Pacific Peoples Health - Health System Performance (incl. Effectiveness of Interventions)	730207p	Health Related to Specific Ethnic Groups
920399	Indigenous Health not elsewhere classified	730299p	Public Health not elsewhere classified

**9204 PUBLIC HEALTH (EXCL. SPECIFIC POPULATION HEALTH)**

920401	Behaviour and Health	730219	Behaviour and Health
920402	Dental Health	730214	Dental Health
920403	Disability and Functional Capacity	730299p	Public Health not elsewhere classified
920404	Disease Distribution and Transmission (incl. Surveillance and Response)	730212	Disease Distribution and Transmission
920405	Environmental Health	730210	Environmental Health
920406	Food Safety	730216	Food Safety
920407	Health Protection and/or Disaster Response	730299p	Public Health not elsewhere classified
920408	Health Status (e.g. Indicators of Well-Being)	730217	Health Status (e.g. Indicators of Well-Being)
920409	Injury Control	730220	Injury Control
920410	Mental Health	730211	Mental Health
920411	Nutrition	730215	Nutrition
920412	Preventive Medicine	730213	Preventive Medicine
920413	Social Structure and Health	730218	Social Structure and Health
920414	Substance Abuse	730205	Substance Abuse
920499	Public Health (excl. Specific Population Health) not elsewhere classified	730299p	Public Health not elsewhere classified

**9205 SPECIFIC POPULATION HEALTH (EXCL. INDIGENOUS HEALTH)**

920501	Child Health	730204	Child Health
920502	Health Related to Ageing	730203	Health related to Ageing
920503	Health Related to Specific Ethnic Groups	730207p	Health Related to Specific Ethnic Groups
920504	Men's Health	730202	Men's Health
920505	Occupational Health	730208	Occupational Health (excl. Economic Development Aspects)
920506	Rural Health	730209	Rural Health
920507	Women's Health	730201	Women's Health
920599	Specific Population Health (excl. Indigenous Health) not elsewhere classified	730299p	Public Health not elsewhere classified

**9299 OTHER HEALTH**

929999	Health not elsewhere classified	730118p	Organs, Diseases and Abnormal Conditions not elsewhere classified
		730199p	Clinical Health not specific to Particular Organs, Diseases and Conditions
		730299p	Public Health not elsewhere classified
		730399p	Health and Support Services not elsewhere classified

**93 EDUCATION AND TRAINING**

**9301 LEARNER AND LEARNING**

930101	Learner and Learning Achievement	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930102	Learner and Learning Processes	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930103	Learner Development	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930104	Moral and Social Development (incl. Affect)	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education

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### 93 EDUCATION AND TRAINING *continued*

930199	Learner and Learning not elsewhere classified	749999p Education and Training not elsewhere classified 740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
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### 9302 TEACHING AND INSTRUCTION

930201	Pedagogy	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
930202	Teacher and Instructor Development	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
930203	Teaching and Instruction Technologies	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
930299	Teaching and Instruction not elsewhere classified	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified

### 9303 CURRICULUM

930301	Assessment and Evaluation of Curriculum	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
930302	Syllabus and Curriculum Development	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified
930399	Curriculum not elsewhere classified	740101p Early Childhood Education 740102p Primary Education 740201p Secondary Education 740301p Higher Education 740401p Vocational Education and Training 740501p Special Education 749999p Education and Training not elsewhere classified

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### 9304 SCHOOL/INSTITUTION

930401	Management and Leadership of Schools/Institutions	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930402	School/Institution Community and Environment	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930403	School/Institution Policies and Development	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930499	School/Institution not elsewhere classified	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified

### 9305 EDUCATION AND TRAINING SYSTEMS

930501	Education and Training Systems Policies and Development	749906	Education Policy
		749999p	Education and Training not elsewhere classified
930502	Management of Education and Training Systems	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930503	Resourcing of Education and Training Systems	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified
930599	Education and Training Systems not elsewhere classified	740101p	Early Childhood Education
		740102p	Primary Education
		740201p	Secondary Education
		740301p	Higher Education
		740401p	Vocational Education and Training
		740501p	Special Education
		749999p	Education and Training not elsewhere classified

### 9399 OTHER EDUCATION AND TRAINING

939901	Aboriginal and Torres Strait Islander Education	749903	Aboriginal and Torres Strait Islander Education
939902	Education and Training Theory and Methodology	749999p	Education and Training not elsewhere classified
939903	Equity and Access to Education	749999p	Education and Training not elsewhere classified
939904	Gender Aspects of Education	749905	Gender Aspects of Education
939905	Māori Education	749999p	Education and Training not elsewhere classified
939906	Pacific Peoples Education	749999p	Education and Training not elsewhere classified
939907	Special Needs Education	740501p	Special Education
		749999p	Education and Training not elsewhere classified
939908	Workforce Transition and Employment	749999p	Education and Training not elsewhere classified
939999	Education and Training not elsewhere classified	749901	Occupational Training
		749902	Continuing Education
		749904	Education Across Cultures
		749999p	Education and Training not elsewhere classified

**94 LAW, POLITICS AND COMMUNITY SERVICES**

**9401 COMMUNITY SERVICE (EXCL. WORK)**

940101	Ability and Disability	750305	Ability and Disability
940102	Aboriginal and Torres Strait Islander Development and Welfare	750309	Aboriginal and Torres Strait Islander Development and Welfare
940103	Ageing and Older People	750304	The Aged
940104	Carers' Development and Welfare	750310	Carers Development and Welfare (i.e. Carers for the Aged, Disabled)
940105	Children's/Youth Services and Childcare	750312	Youth/Child Development and Welfare
		750399p	Community Services not elsewhere classified
940106	Citizenship and National Identity	750308	National Identity
940107	Comparative Structure and Development of Community Services	750399p	Community Services not elsewhere classified
940108	Distribution of Income and Wealth	750301	The Distribution of Wealth
		750399p	Community Services not elsewhere classified
940109	Employment Services	750399p	Community Services not elsewhere classified
940110	Environmental Services	750399p	Community Services not elsewhere classified
940111	Ethnicity, Multiculturalism and Migrant Development and Welfare	750306	Ethnicity and Multiculturalism
		750311	Migrant Development and Welfare
940112	Families and Family Services	750307	Families
		750399p	Community Services not elsewhere classified
940113	Gender and Sexualities	750303	Gender
		750399p	Community Services not elsewhere classified
940114	Māori Development and Welfare	750399p	Community Services not elsewhere classified
940115	Pacific Peoples Development and Welfare	750399p	Community Services not elsewhere classified
940116	Social Class and Inequalities	750302	Class
		750399p	Community Services not elsewhere classified
940117	Structure, Delivery and Financing of Community Services	750399p	Community Services not elsewhere classified
940199	Community Service (excl. Work) not elsewhere classified	750399p	Community Services not elsewhere classified

**9402 GOVERNMENT AND POLITICS**

940201	Civics and Citizenship	750604	Civics and Citizenship
940202	Electoral Systems	750602	Understanding Electoral Systems
940203	Political Systems	750601	Understanding Political Systems
940204	Public Services Policy Advice and Analysis	750605	Public Services Management
		750699p	Government and Politics not elsewhere classified
940299	Government and Politics not elsewhere classified	750603	Federalism in Australia
		750699p	Government and Politics not elsewhere classified

**9403 INTERNATIONAL RELATIONS**

940301	Defence and Security Policy	750799p	International Relations not elsewhere classified
940302	International Aid and Development	750704	International Aid
940303	International Organisations	750703	International Organisations
940304	International Political Economy (excl. International Trade)	750799p	International Relations not elsewhere classified
940399	International Relations not elsewhere classified	750701	Understanding International Relations
		750702	Understanding Other Countries
		750799p	International Relations not elsewhere classified

**9404 JUSTICE AND THE LAW**

940401	Civil Justice	750599p	Justice and the Law not elsewhere classified
940402	Crime Prevention	750599p	Justice and the Law not elsewhere classified
940403	Criminal Justice	750599p	Justice and the Law not elsewhere classified
940404	Law Enforcement	750504	Law Enforcement
940405	Law Reform	750599p	Justice and the Law not elsewhere classified
940406	Legal Processes	750503	Understanding Legal Processes
940407	Legislation, Civil and Criminal Codes	750599p	Justice and the Law not elsewhere classified
940408	Rehabilitation and Correctional Services	750505	Correctional Services
		750599p	Justice and the Law not elsewhere classified
940499	Justice and the Law not elsewhere classified	750501	Ownership of the Land
		750502	Consumer Affairs
		750599p	Justice and the Law not elsewhere classified



**9405 WORK AND INSTITUTIONAL DEVELOPMENT**

940501	Employment Patterns and Change	750101	Employment
940502	Professions and Professionalisation	750102	Changing Work Patterns
940503	Time Use, Unpaid Work and Volunteering	750103	The Professions and Professionalisation
940504	Work and Family Responsibilities	750199p	Work not elsewhere classified
940505	Workplace Safety	750199p	Work not elsewhere classified
940599	Work and Institutional Development not elsewhere classified	750199p	Work not elsewhere classified
		750104	Preserving Institutional and Organisational Histories
		750199p	Work not elsewhere classified

**9499 OTHER LAW, POLITICS AND COMMUNITY SERVICES**

949999	Law, Politics and Community Services not elsewhere classified	759999p	Other Social Development and Community Services
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**95 CULTURAL UNDERSTANDING**

**9501 ARTS AND LEISURE**

950101	Music	750201p	The Performing Arts (incl. Music, Theatre and Dance)
950102	Organised Sports	750203	Organised Sports
950103	Recreation	750204	Recreation
950104	The Creative Arts (incl. Graphics and Craft)	750202	The Creative Arts
950105	The Performing Arts (incl. Theatre and Dance)	750201p	The Performing Arts (incl. Music, Theatre and Dance)
950199	Arts and Leisure not elsewhere classified	750299	Arts and Leisure not elsewhere classified

**9502 COMMUNICATION**

950201	Communication Across Languages and Culture	751005	Communication Across Languages and Culture
950202	Languages and Literacy	751002	Languages and Literacy
950203	Languages and Literature	751001	Languages and Literature
950204	The Media	751004	The Media
950205	Visual Communication	751003	Visual Communication
950299	Communication not elsewhere classified	751099	Communication not elsewhere classified

**9503 HERITAGE**

950301	Āhuatanga Māori (Māori Tradition)	750899p	Heritage not elsewhere classified
950302	Conserving Aboriginal and Torres Strait Islander Heritage	750805	Aboriginal and Torres Strait Islander Heritage
950303	Conserving Collections and Movable Cultural Heritage	750802	Preserving Movable Cultural Heritage
		751006	Managing Collections
950304	Conserving Intangible Cultural Heritage	750899p	Heritage not elsewhere classified
950305	Conserving Natural Heritage	750899p	Heritage not elsewhere classified
950306	Conserving Pacific Peoples Heritage	750899p	Heritage not elsewhere classified
950307	Conserving the Historic Environment	750801	Preserving the Built Environment
950308	Mātauranga Māori (Māori Knowledge)	750899p	Heritage not elsewhere classified
950309	Taonga (Māori Artefacts)	750899p	Heritage not elsewhere classified
950310	Tikanga Māori (Māori Customary Practices)	750899p	Heritage not elsewhere classified
950311	Wahi Taonga (Māori Places of Significance)	750899p	Heritage not elsewhere classified
950399	Heritage not elsewhere classified	750899p	Heritage not elsewhere classified

**9504 RELIGION AND ETHICS**

950401	Bioethics	750403	Bioethics
950402	Business Ethics	750406	Business Ethics
950403	Environmental Ethics	750405	Environmental Ethics
950404	Religion and Society	750401	Religion and Society
950405	Religious Structures and Ritual	750402	Religious Structures and Ritual
950406	Religious Traditions (excl. Structures and Rituals)	750499p	Religion and Ethics not elsewhere classified
950407	Social Ethics	750404	Social Ethics
950408	Technological Ethics	750499p	Religion and Ethics not elsewhere classified
950409	Workplace and Organisational Ethics	750499p	Religion and Ethics not elsewhere classified
950499	Religion and Ethics not elsewhere classified	750499p	Religion and Ethics not elsewhere classified

**9505 UNDERSTANDING PAST SOCIETIES**

950501	Understanding Africa's Past	750902p	Understanding the Past of Other Societies
950502	Understanding Asia's Past	750902p	Understanding the Past of Other Societies
950503	Understanding Australia's Past	750901	Understanding Australia's Past
950504	Understanding Europe's Past	750902p	Understanding the Past of Other Societies
950505	Understanding New Zealand's Past	750902p	Understanding the Past of Other Societies
950506	Understanding the Past of the Americas	750902p	Understanding the Past of Other Societies
950599	Understanding Past Societies not elsewhere classified	750902p	Understanding the Past of Other Societies

**9599 OTHER CULTURAL UNDERSTANDING**

959999 Cultural Understanding not elsewhere classified 759999p Other Social Development and Community Services

**96 ENVIRONMENT**

**9601 AIR QUALITY**

960101	Antarctic and Sub-Antarctic Air Quality	771101	Air Quality
960102	Coastal and Estuarine Air Quality	770401	Air Quality
960103	Farmland, Arable Cropland and Permanent Cropland Air Quality	770801	Air Quality
960104	Marine Air Quality	770301	Air Quality
960105	Mining Air Quality	771001	Air Quality
960106	Urban and Industrial Air Quality	770501	Air Quality
960199	Air Quality not elsewhere classified	770601	Air Quality
		770701	Air Quality
		770901	Air Quality
		779901	Air Quality

**9602 ATMOSPHERE AND WEATHER**

960201	Atmospheric Composition (incl. Greenhouse Gas Inventory)	770201	Atmospheric Composition
960202	Atmospheric Processes and Dynamics	770199p	Other
960203	Weather	770202	Atmospheric Processes
960299	Atmosphere and Weather not elsewhere classified	770103	Weather
		770199p	Other

**9603 CLIMATE AND CLIMATE CHANGE**

960301	Climate Change Adaptation Measures	760101	Global Climate Change Adaptation Measures
960302	Climate Change Mitigation Strategies	770101p	Climate Change
960303	Climate Change Models	770101p	Climate Change
960304	Climate Variability (excl. Social Impacts)	770102p	Climate Variability
960305	Ecosystem Adaptation to Climate Change	770101p	Climate Change
960306	Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)	770101p	Climate Change
		770102p	Climate Variability
960307	Effects of Climate Change and Variability on Australia (excl. Social Impacts)	770101p	Climate Change
		770102p	Climate Variability
960308	Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)	770101p	Climate Change
		770102p	Climate Variability
960309	Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)	770101p	Climate Change
		770102p	Climate Variability
960310	Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)	770101p	Climate Change
		770102p	Climate Variability
960311	Social Impacts of Climate Change and Variability	770101p	Climate Change
		770102p	Climate Variability
960399	Climate and Climate Change not elsewhere classified	770199p	Other

**9604 CONTROL OF PESTS, DISEASES AND EXOTIC SPECIES**

960401	Border Biosecurity (incl. Quarantine and Inspection)	779904p	Control of Pests and Exotic Species
960402	Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments	630503p	Fish
		770404p	Control of Pests and Exotic Species
960403	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments	620501p	Field Crops
		620502p	Horticultural Crops
		630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		770804p	Control of Pests and Exotic Species
960404	Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments	620503p	Forestry
		770704p	Control of Pests and Exotic Species

**96 ENVIRONMENT** *continued*

960405	Control of Pests, Diseases and Exotic Species at Regional or Larger Scales	779904p	Control of Pests and Exotic Species
960406	Control of Pests, Diseases and Exotic Species in Fresh, Ground and Surface Water Environments	779904p	Control of Pests and Exotic Species
960407	Control of Pests, Diseases and Exotic Species in Marine Environments	630503p	Fish
		770303	Control of Pests and Exotic Species
960408	Control of Pests, Diseases and Exotic Species in Mining Environments	771004	Control of Pests and Exotic Species
960409	Control of Pests, Diseases and Exotic Species in Mountain and High Country Environments	770604	Control of Pests and Exotic Species
960410	Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments	630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		770904	Control of Pests and Exotic Species
960411	Control of Pests, Diseases and Exotic Species in Urban and Industrial Environments	770504	Control of Pests and Exotic Species
960412	Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments	630503p	Fish
		770404p	Control of Pests and Exotic Species
960413	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments	620501p	Field Crops
		620502p	Horticultural Crops
		630501p	Livestock
		630502p	Pasture, Browse and Fodder Crops
		770804p	Control of Pests and Exotic Species
960414	Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments	620503p	Forestry
		770704p	Control of Pests and Exotic Species
960415	Pre-Border Biosecurity	779904p	Control of Pests and Exotic Species
960499	Control of Pests, Diseases and Exotic Species not elsewhere classified	771104	Control of Pests and Exotic Species
		779904p	Control of Pests and Exotic Species

**9605 ECOSYSTEM ASSESSMENT AND MANAGEMENT**

960501	Ecosystem Assessment and Management at Regional or Larger Scales	779905p	Integrated (Ecosystem) Assessment and Management
960502	Ecosystem Assessment and Management of Antarctic and Sub-Antarctic Environments	771105	Integrated (Ecosystem) Assessment and Management
960503	Ecosystem Assessment and Management of Coastal and Estuarine Environments	770406	Integrated (Ecosystem) Assessment and Management
960504	Ecosystem Assessment and Management of Farmland, Arable Cropland and Permanent Cropland Environments	770805	Integrated (Ecosystem) Assessment and Management
960505	Ecosystem Assessment and Management of Forest and Woodlands Environments	770705	Integrated (Ecosystem) Assessment and Management
960506	Ecosystem Assessment and Management of Fresh, Ground and Surface Water Environments	779905p	Integrated (Ecosystem) Assessment and Management
960507	Ecosystem Assessment and Management of Marine Environments	770306	Integrated (Ecosystem) Assessment and Management
960508	Ecosystem Assessment and Management of Mining Environments	771005	Integrated (Ecosystem) Assessment and Management
960509	Ecosystem Assessment and Management of Mountain and High Country Environments	770605	Integrated (Ecosystem) Assessment and Management
960510	Ecosystem Assessment and Management of Sparseland, Permanent Grassland and Arid Zone Environments	770905	Integrated (Ecosystem) Assessment and Management
960511	Ecosystem Assessment and Management of Urban and Industrial Environments	770505	Integrated (Ecosystem) Assessment and Management
960599	Ecosystem Assessment and Management not elsewhere classified	779905p	Integrated (Ecosystem) Assessment and Management

**9606 ENVIRONMENTAL AND NATURAL RESOURCE EVALUATION**

960601	Economic Incentives for Environmental Protection	760202	Economic Incentives and Regulation
960602	Eco-Verification (excl. Environmental Lifecycle Assessment)	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960603	Environmental Lifecycle Assessment	760299p	Environmental and Natural Resource Evaluation not elsewhere classified

**96 ENVIRONMENT** *continued*

960604	Environmental Management Systems	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960605	Institutional Arrangements for Environmental Protection	760201	Institutional Arrangements
960606	Rights to Environmental and Natural Resources (excl. Water Allocation)	760203	Rights to Environmental and Natural Resources
960607	Rural Land Evaluation	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960608	Rural Water Evaluation (incl. Water Quality)	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960609	Sustainability Indicators	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960610	Urban Land Evaluation	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960611	Urban Water Evaluation (incl. Water Quality)	760299p	Environmental and Natural Resource Evaluation not elsewhere classified
960699	Environmental and Natural Resource Evaluation not elsewhere classified	760299p	Environmental and Natural Resource Evaluation not elsewhere classified

**9607 ENVIRONMENTAL POLICY, LEGISLATION AND STANDARDS**

960701	Coastal and Marine Management Policy	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960702	Consumption Patterns, Population Issues and the Environment	760103	Consumption Patterns, Population Issues and the Environment
960703	Environmental Education and Awareness	760104	Environmental Education and Awareness
960704	Land Stewardship	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960705	Rural Land Policy	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960706	Rural Water Policy	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960707	Trade and Environment	760102	Trade and Environment
960708	Urban Land Policy	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960709	Urban Water Policy	760199p	Environmental Policy, Legislation and Standards not elsewhere classified
960799	Environmental Policy, Legislation and Standards not elsewhere classified	760199p	Environmental Policy, Legislation and Standards not elsewhere classified

**9608 FLORA, FAUNA AND BIODIVERSITY**

960801	Antarctic and Sub-Antarctic Flora, Fauna and Biodiversity	771103	Living Resources (Flora and Fauna)
960802	Coastal and Estuarine Flora, Fauna and Biodiversity	770403	Living Resources (Flora and Fauna)
960803	Documentation of Undescribed Flora and Fauna	779903p	Living Resources (Flora and Fauna)
960804	Farmland, Arable Cropland and Permanent Cropland Flora, Fauna and Biodiversity	770803	Living Resources (Flora and Fauna)
960805	Flora, Fauna and Biodiversity at Regional or Larger Scales	779903p	Living Resources (Flora and Fauna)
960806	Forest and Woodlands Flora, Fauna and Biodiversity	770703	Living Resources (Flora and Fauna)
960807	Fresh, Ground and Surface Water Flora, Fauna and Biodiversity	779903p	Living Resources (Flora and Fauna)
960808	Marine Flora, Fauna and Biodiversity	770302	Living Resources (incl. Impacts of Fishing on Non-Target Species)
960809	Mining Flora, Fauna and Biodiversity	771003	Living Resources (Flora and Fauna)
960810	Mountain and High Country Flora, Fauna and Biodiversity	770603	Living Resources (Flora and Fauna)
960811	Sparseland, Permanent Grassland and Arid Zone Flora, Fauna and Biodiversity	770903	Living Resources (Flora and Fauna)
960812	Urban and Industrial Flora, Fauna and Biodiversity	770503p	Living Resources (Flora and Fauna)
960899	Flora, Fauna and Biodiversity of environments not elsewhere classified	779903p	Living Resources (Flora and Fauna)

**9609 LAND AND WATER MANAGEMENT**

960901	Antarctic and Sub-Antarctic Land and Water Management	771102	Land and Water Management
960902	Coastal and Estuarine Land Management	770402p	Land and Water Management
960903	Coastal and Estuarine Water Management	770402p	Land and Water Management
960904	Farmland, Arable Cropland and Permanent Cropland Land Management	770802p	Land and Water Management
960905	Farmland, Arable Cropland and Permanent Cropland Water Management	770802p	Land and Water Management
960906	Forest and Woodlands Land Management	770702p	Land and Water Management
960907	Forest and Woodlands Water Management	770702p	Land and Water Management

**96 ENVIRONMENT** *continued*

960908	Mining Land and Water Management	771002	Land and Water Management
960909	Mountain and High Country Land and Water Management	770602	Land and Water Management
960910	Sparseland, Permanent Grassland and Arid Zone Land and Water Management	770902	Land and Water Management
960911	Urban and Industrial Land Management	770502p	Land and Water Management
960912	Urban and Industrial Water Management	770502p	Land and Water Management
960913	Water Allocation and Quantification	779902p	Land and Water Management
960999	Land and Water Management of environments not elsewhere classified	779902p	Land and Water Management

**9610 NATURAL HAZARDS**

961001	Natural Hazards in Antarctic and Sub-Antarctic Environments	771199p	Other
961002	Natural Hazards in Coastal and Estuarine Environments	770499p	Other
961003	Natural Hazards in Farmland, Arable Cropland and Permanent Cropland Environments	770899p	Other
961004	Natural Hazards in Forest and Woodlands Environments	770799p	Other
961005	Natural Hazards in Fresh, Ground and Surface Water Environments	779999p	Other
961006	Natural Hazards in Marine Environments	770399p	Other
961007	Natural Hazards in Mining Environments	771099p	Other
961008	Natural Hazards in Mountain and High Country Environments	770699p	Other
961009	Natural Hazards in Sparseland, Permanent Grassland and Arid Zone Environments	770999p	Other
961010	Natural Hazards in Urban and Industrial Environments	770599p	Other
961099	Natural Hazards not elsewhere classified	779999p	Other

**9611 PHYSICAL AND CHEMICAL CONDITIONS OF WATER**

961101	Physical and Chemical Conditions of Water for Urban and Industrial Use	770599p	Other
961102	Physical and Chemical Conditions of Water in Coastal and Estuarine Environments	770405	Physical and Chemical Conditions
961103	Physical and Chemical Conditions of Water in Fresh, Ground and Surface Water Environments (excl. Urban and Industrial Use)	779999p	Other
961104	Physical and Chemical Conditions of Water in Marine Environments	770304	Physical and Chemical Conditions
961199	Physical and Chemical Conditions of Water not elsewhere classified	779999p	Other

**9612 REHABILITATION OF DEGRADED ENVIRONMENTS**

961201	Rehabilitation of Degraded Coastal and Estuarine Environments	770408	Rehabilitation of Degraded Coastal and Estuarine Areas
961202	Rehabilitation of Degraded Farmland, Arable Cropland and Permanent Cropland Environments	770807	Rehabilitation of Degraded Farmland
961203	Rehabilitation of Degraded Forest and Woodlands Environments	770707	Rehabilitation/Reafforestation
961204	Rehabilitation of Degraded Fresh, Ground and Surface Water Environments	779907p	Rehabilitation of Degraded Areas
961205	Rehabilitation of Degraded Mining Environments	771007	Rehabilitation of Degraded Mining Lands
961206	Rehabilitation of Degraded Mountain and High Country Environments	770607	Rehabilitation of Degraded High Country
961207	Rehabilitation of Degraded Sparseland, Permanent Grassland and Arid Zone Environments	770907	Rehabilitation of Degraded Sparseland
961208	Rehabilitation of Degraded Urban and Industrial Environments	770507	Industrial/Degraded Areas
961299	Rehabilitation of Degraded Environments not elsewhere classified	779907p	Rehabilitation of Degraded Areas

**9613 REMNANT VEGETATION AND PROTECTED CONSERVATION AREAS**

961301	Protected Conservation Areas in Antarctic and Sub-Antarctic Environments	779906p	Remnant Vegetation and Protected Conservation Areas
961302	Protected Conservation Areas in Fresh, Ground and Surface Water Environments	779906p	Remnant Vegetation and Protected Conservation Areas
961303	Protected Conservation Areas in Marine Environments	770307	Marine Protected Areas
961304	Remnant Vegetation and Protected Conservation Areas in Coastal and Estuarine Environments	770407	Remnant Vegetation and Protected Conservation Areas (Both Terrestrial and Marine)

**96 ENVIRONMENT** *continued*

961305	Remnant Vegetation and Protected Conservation Areas in Farmland, Arable Cropland and Permanent Cropland Environments	770806	Remnant Vegetation and Protected Conservation Areas
961306	Remnant Vegetation and Protected Conservation Areas in Forest and Woodlands Environments	770706	Remnant Vegetation and Protected Conservation Areas
961307	Remnant Vegetation and Protected Conservation Areas in Mountain and High Country Environments	770606	Remnant Vegetation and Protected Conservation Areas
961308	Remnant Vegetation and Protected Conservation Areas at Regional or Larger Scales	779906p	Remnant Vegetation and Protected Conservation Areas
961309	Remnant Vegetation and Protected Conservation Areas in Sparseland, Permanent Grassland and Arid Zone Environments	770906	Remnant Vegetation and Protected Conservation Areas
961310	Remnant Vegetation and Protected Conservation Areas in Urban and Industrial Environments	770506	Remnant Vegetation and Protected Conservation Areas
961399	Remnant Vegetation and Protected Conservation Areas not elsewhere classified	771006	Remnant Vegetation and Protected Conservation Areas
		779906p	Remnant Vegetation and Protected Conservation Areas

**9614 SOILS**

961401	Coastal and Estuarine Soils	770499p	Other
961402	Farmland, Arable Cropland and Permanent Cropland Soils	620501p	Field Crops
		620502p	Horticultural Crops
		770899p	Other
961403	Forest and Woodlands Soils	620503p	Forestry
		770799p	Other
961404	Mining Soils	771099p	Other
961405	Mountain and High Country Soils	770699p	Other
961406	Sparseland, Permanent Grassland and Arid Zone Soils	770999p	Other
961407	Urban and Industrial Soils	770599p	Other
961499	Soils not elsewhere classified	779999p	Other

**9699 OTHER ENVIRONMENT**

969901	Antarctic and Sub-Antarctic Oceanography	771199p	Other
969902	Marine Oceanic Processes (excl. climate related)	770305	Oceanic Processes (excl. Climate Related)
969999	Environment not elsewhere classified	769999	Other Environmental Aspects
		770399p	Other
		770409	Estuarine and Lagoon Areas
		770499p	Other
		770599p	Other
		770699p	Other
		770799p	Other
		770899p	Other
		770999p	Other
		771099p	Other
		771199p	Other
		779907p	Rehabilitation of Degraded Areas
		779999p	Other

**97 EXPANDING KNOWLEDGE**

**9701 EXPANDING KNOWLEDGE**

970101	Expanding Knowledge in the Mathematical Sciences	780101	Mathematical Sciences
970102	Expanding Knowledge in the Physical Sciences	780102	Physical Sciences
970103	Expanding Knowledge in the Chemical Sciences	780103	Chemical Sciences
970104	Expanding Knowledge in the Earth Sciences	780104	Earth Sciences
970105	Expanding Knowledge in the Environmental Sciences	780105p	Biological Sciences
		780199p	Other
970106	Expanding Knowledge in the Biological Sciences	780105p	Biological Sciences
970107	Expanding Knowledge in the Agricultural and Veterinary Sciences	780199p	Other
970108	Expanding Knowledge in the Information and Computing Sciences	780199p	Other
970109	Expanding Knowledge in Engineering	780199p	Other
970110	Expanding Knowledge in Technology	780199p	Other
970111	Expanding Knowledge in the Medical and Health Sciences	780199p	Other
970112	Expanding Knowledge in Built Environment and Design	780199p	Other
970113	Expanding Knowledge in Education	780199p	Other
970114	Expanding Knowledge in Economics	780199p	Other

**97 EXPANDING KNOWLEDGE** *continued*

970115	Expanding Knowledge in Commerce, Management, Tourism and Services	780199p	Other
970116	Expanding Knowledge through Studies of Human Society	780106	Political Science and Public Policy
		780107	Studies in Human Society
970117	Expanding Knowledge in Psychology and Cognitive Sciences	780108p	Behavioural and Cognitive Sciences
970118	Expanding Knowledge in Law and Legal Studies	780199p	Other
970119	Expanding Knowledge through Studies of the Creative Arts and Writing	780199p	Other
970120	Expanding Knowledge in Language, Communication and Culture	780108p	Behavioural and Cognitive Sciences
		780199p	Other
970121	Expanding Knowledge in History and Archaeology	780199p	Other
970122	Expanding Knowledge in Philosophy and Religious Studies	780199p	Other





## APPENDIX 1 FOR FIELDS BY CODE NUMBER

### 01 MATHEMATICAL SCIENCES

	0101 PURE MATHEMATICS		0103 NUMERICAL AND COMPUTATIONAL MATHEMATICS
010101	Algebra and Number Theory	010301	Numerical Analysis
010102	Algebraic and Differential Geometry	010302	Numerical Solution of Differential and Integral Equations
010103	Category Theory, K Theory, Homological Algebra	010303	Optimisation
010104	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)	010399	Numerical and Computational Mathematics not elsewhere classified
010105	Group Theory and Generalisations		0104 STATISTICS
010106	Lie Groups, Harmonic and Fourier Analysis	010401	Applied Statistics
010107	Mathematical Logic, Set Theory, Lattices and Universal Algebra	010402	Biostatistics
010108	Operator Algebras and Functional Analysis	010403	Forensic Statistics
010109	Ordinary Differential Equations, Difference Equations and Dynamical Systems	010404	Probability Theory
010110	Partial Differential Equations	010405	Statistical Theory
010111	Real and Complex Functions (incl. Several Variables)	010406	Stochastic Analysis and Modelling
010112	Topology	010499	Statistics not elsewhere classified
010199	Pure Mathematics not elsewhere classified		0105 MATHEMATICAL PHYSICS
	0102 APPLIED MATHEMATICS	010501	Algebraic Structures in Mathematical Physics
010201	Approximation Theory and Asymptotic Methods	010502	Integrable Systems (Classical and Quantum)
010202	Biological Mathematics	010503	Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory
010203	Calculus of Variations, Systems Theory and Control Theory	010504	Mathematical Aspects of General Relativity
010204	Dynamical Systems in Applications	010505	Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory
010205	Financial Mathematics	010506	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter
010206	Operations Research	010599	Mathematical Physics not elsewhere classified
010207	Theoretical and Applied Mechanics		0199 OTHER MATHEMATICAL SCIENCES
010299	Applied Mathematics not elsewhere classified	019999	Mathematical Sciences not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 02 PHYSICAL SCIENCES

	0201 ASTRONOMICAL AND SPACE SCIENCES		0204 CONDENSED MATTER PHYSICS
020101	Astrobiology	020401	Condensed Matter Characterisation Technique Development
020102	Astronomical and Space Instrumentation	020402	Condensed Matter Imaging
020103	Cosmology and Extragalactic Astronomy	020403	Condensed Matter Modelling and Density Functional Theory
020104	Galactic Astronomy	020404	Electronic and Magnetic Properties of Condensed Matter; Superconductivity
020105	General Relativity and Gravitational Waves	020405	Soft Condensed Matter
020106	High Energy Astrophysics; Cosmic Rays	020406	Surfaces and Structural Properties of Condensed Matter
020107	Mesospheric, Ionospheric and Magnetospheric Physics	020499	Condensed Matter Physics not elsewhere classified
020108	Planetary Science (excl. Extraterrestrial Geology)	020501	0205 OPTICAL PHYSICS
020109	Space and Solar Physics	020501	Classical and Physical Optics
020110	Stellar Astronomy and Planetary Systems	020502	Lasers and Quantum Electronics
020199	Astronomical and Space Sciences not elsewhere classified	020503	Nonlinear Optics and Spectroscopy
	0202 ATOMIC, MOLECULAR, NUCLEAR, PARTICLE AND PLASMA PHYSICS	020504	Photonics, Optoelectronics and Optical Communications
020201	Atomic and Molecular Physics	020599	Optical Physics not elsewhere classified
020202	Nuclear Physics	0206 QUANTUM PHYSICS	
020203	Particle Physics	020601	Degenerate Quantum Gases and Atom Optics
020204	Plasma Physics; Fusion Plasmas; Electrical Discharges	020602	Field Theory and String Theory
020299	Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified	020603	Quantum Information, Computation and Communication
	0203 CLASSICAL PHYSICS	020604	Quantum Optics
020301	Acoustics and Acoustical Devices; Waves	020699	Quantum Physics not elsewhere classified
020302	Electrostatics and Electrodynamics	0299 OTHER PHYSICAL SCIENCES	
020303	Fluid Physics	029901	Biological Physics
020304	Thermodynamics and Statistical Physics	029902	Complex Physical Systems
020399	Classical Physics not elsewhere classified	029903	Medical Physics
		029904	Synchrotrons; Accelerators; Instruments and Techniques
		029999	Physical Sciences not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 03 CHEMICAL SCIENCES

	0301 ANALYTICAL CHEMISTRY		0305 ORGANIC CHEMISTRY
030101	Analytical Spectrometry	030501	Free Radical Chemistry
030102	Electroanalytical Chemistry	030502	Natural Products Chemistry
030103	Flow Analysis	030503	Organic Chemical Synthesis
030104	Immunological and Bioassay Methods	030504	Organic Green Chemistry
030105	Instrumental Methods (excl. Immunological and Bioassay Methods)	030505	Physical Organic Chemistry
030106	Quality Assurance, Chemometrics, Traceability and Metrological Chemistry	030599	Organic Chemistry not elsewhere classified
030107	Sensor Technology (Chemical aspects)		0306 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)
030108	Separation Science	030601	Catalysis and Mechanisms of Reactions
030199	Analytical Chemistry not elsewhere classified	030602	Chemical Thermodynamics and Energetics
	0302 INORGANIC CHEMISTRY	030603	Colloid and Surface Chemistry
030201	Bioinorganic Chemistry	030604	Electrochemistry
030202	f-Block Chemistry	030605	Solution Chemistry
030203	Inorganic Green Chemistry	030606	Structural Chemistry and Spectroscopy
030204	Main Group Metal Chemistry	030607	Transport Properties and Non-Equilibrium Processes
030205	Non-metal Chemistry	030699	Physical Chemistry not elsewhere classified
030206	Solid State Chemistry		0307 THEORETICAL AND COMPUTATIONAL CHEMISTRY
030207	Transition Metal Chemistry	030701	Quantum Chemistry
030299	Inorganic Chemistry not elsewhere classified	030702	Radiation and Matter
	0303 MACROMOLECULAR AND MATERIALS CHEMISTRY	030703	Reaction Kinetics and Dynamics
030301	Chemical Characterisation of Materials	030704	Statistical Mechanics in Chemistry
030302	Nanochemistry and Supramolecular Chemistry	030799	Theoretical and Computational Chemistry not elsewhere classified
030303	Optical Properties of Materials		0399 OTHER CHEMICAL SCIENCES
030304	Physical Chemistry of Materials	039901	Environmental Chemistry (incl. Atmospheric Chemistry)
030305	Polymerisation Mechanisms	039902	Forensic Chemistry
030306	Synthesis of Materials	039903	Industrial Chemistry
030307	Theory and Design of Materials	039904	Organometallic Chemistry
030399	Macromolecular and Materials Chemistry not elsewhere classified	039999	Chemical Sciences not elsewhere classified
	0304 MEDICINAL AND BIOMOLECULAR CHEMISTRY		
030401	Biologically Active Molecules		
030402	Biomolecular Modelling and Design		
030403	Characterisation of Biological Macromolecules		
030404	Cheminformatics and Quantitative Structure-Activity Relationships		
030405	Molecular Medicine		
030406	Proteins and Peptides		
030499	Medicinal and Biomolecular Chemistry not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 04 EARTH SCIENCES

	0401 ATMOSPHERIC SCIENCES		0404 GEOPHYSICS
040101	Atmospheric Aerosols	040401	Electrical and Electromagnetic Methods in Geophysics
040102	Atmospheric Dynamics	040402	Geodynamics
040103	Atmospheric Radiation	040403	Geophysical Fluid Dynamics
040104	Climate Change Processes	040404	Geothermics and Radiometrics
040105	Climatology (excl. Climate Change Processes)	040405	Gravimetrics
040106	Cloud Physics	040406	Magnetism and Palaeomagnetism
040107	Meteorology	040407	Seismology and Seismic Exploration
040108	Tropospheric and Stratospheric Physics	040499	Geophysics not elsewhere classified
040199	Atmospheric Sciences not elsewhere classified		0405 OCEANOGRAPHY
	0402 GEOCHEMISTRY	040501	Biological Oceanography
040201	Exploration Geochemistry	040502	Chemical Oceanography
040202	Inorganic Geochemistry	040503	Physical Oceanography
040203	Isotope Geochemistry	040599	Oceanography not elsewhere classified
040204	Organic Geochemistry		0406 PHYSICAL GEOGRAPHY AND ENVIRONMENTAL GEOSCIENCE
	040299 Geochemistry not elsewhere classified	040601	Geomorphology and Regolith and Landscape Evolution
	0403 GEOLOGY	040602	Glaciology
040301	Basin Analysis	040603	Hydrogeology
040302	Extraterrestrial Geology	040604	Natural Hazards
040303	Geochronology	040605	Palaeoclimatology
040304	Igneous and Metamorphic Petrology	040606	Quaternary Environments
040305	Marine Geoscience	040607	Surface Processes
040306	Mineralogy and Crystallography	040608	Surfacewater Hydrology
040307	Ore Deposit Petrology	040699	Physical Geography and Environmental Geoscience not elsewhere classified
	040308 Palaeontology (incl. Palynology)		0499 OTHER EARTH SCIENCES
040309	Petroleum and Coal Geology	049999	Earth Sciences not elsewhere classified
040310	Sedimentology		
040311	Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)		
040312	Structural Geology		
040313	Tectonics		
040314	Volcanology		
040399	Geology not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

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### 05 ENVIRONMENTAL SCIENCES

	0501 ECOLOGICAL APPLICATIONS		0503 SOIL SCIENCES
050101	Ecological Impacts of Climate Change	050301	Carbon Sequestration Science
050102	Ecosystem Function	050302	Land Capability and Soil Degradation
050103	Invasive Species Ecology	050303	Soil Biology
050104	Landscape Ecology	050304	Soil Chemistry (excl. Carbon Sequestration Science)
050199	Ecological Applications not elsewhere classified	050305	Soil Physics
	0502 ENVIRONMENTAL SCIENCE AND MANAGEMENT	050399	Soil Sciences not elsewhere classified
050201	Aboriginal and Torres Strait Islander Environmental Knowledge		0599 OTHER ENVIRONMENTAL SCIENCES
050202	Conservation and Biodiversity		
050203	Environmental Education and Extension	059999	Environmental Sciences not elsewhere classified
050204	Environmental Impact Assessment		
050205	Environmental Management		
050206	Environmental Monitoring		
050207	Environmental Rehabilitation (excl. Bioremediation)		
050208	Māori Environmental Knowledge		
050209	Natural Resource Management		
050210	Pacific Peoples Environmental Knowledge		
050211	Wildlife and Habitat Management		
050299	Environmental Science and Management not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 06 BIOLOGICAL SCIENCES

0601 BIOCHEMISTRY AND CELL BIOLOGY		0604 GENETICS	
060101	Analytical Biochemistry	060401	Anthropological Genetics
060102	Bioinformatics	060402	Cell and Nuclear Division
060103	Cell Development, Proliferation and Death	060403	Developmental Genetics (incl. Sex Determination)
060104	Cell Metabolism	060404	Epigenetics (incl. Genome Methylation and Epigenomics)
060105	Cell Neurochemistry	060405	Gene Expression (incl. Microarray and other genome-wide approaches)
060106	Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)	060406	Genetic Immunology
060107	Enzymes	060407	Genome Structure and Regulation
060108	Protein Trafficking	060408	Genomics
060109	Proteomics and Intermolecular Interactions (excl. Medical Proteomics)	060409	Molecular Evolution
060110	Receptors and Membrane Biology	060410	Neurogenetics
060111	Signal Transduction	060411	Population, Ecological and Evolutionary Genetics
060112	Structural Biology (incl. Macromolecular Modelling)	060412	Quantitative Genetics (incl. Disease and Trait Mapping Genetics)
060113	Synthetic Biology	060499	Genetics not elsewhere classified
060114	Systems Biology	0605 MICROBIOLOGY	
060199	Biochemistry and Cell Biology not elsewhere classified	060501	Bacteriology
0602 ECOLOGY		060502	Infectious Agents
060201	Behavioural Ecology	060503	Microbial Genetics
060202	Community Ecology (excl. Invasive Species Ecology)	060504	Microbial Ecology
060203	Ecological Physiology	060505	Mycology
060204	Freshwater Ecology	060506	Virology
060205	Marine and Estuarine Ecology (incl. Marine Ichthyology)	060599	Microbiology not elsewhere classified
060206	Palaeoecology	0606 PHYSIOLOGY	
060207	Population Ecology	060601	Animal Physiology - Biophysics
060208	Terrestrial Ecology	060602	Animal Physiology - Cell
060299	Ecology not elsewhere classified	060603	Animal Physiology - Systems
0603 EVOLUTIONARY BIOLOGY		060604	Comparative Physiology
060301	Animal Systematics and Taxonomy	060699	Physiology not elsewhere classified
060302	Biogeography and Phylogeography	0607 PLANT BIOLOGY	
060303	Biological Adaptation	060701	Phycology (incl. Marine Grasses)
060304	Ethology and Sociobiology	060702	Plant Cell and Molecular Biology
060305	Evolution of Developmental Systems	060703	Plant Developmental and Reproductive Biology
060306	Evolutionary Impacts of Climate Change	060704	Plant Pathology
060307	Host-Parasite Interactions	060705	Plant Physiology
060308	Life Histories	060799	Plant Biology not elsewhere classified
060309	Phylogeny and Comparative Analysis	0608 ZOOLOGY	
060310	Plant Systematics and Taxonomy	060801	Animal Behaviour
060311	Speciation and Extinction	060802	Animal Cell and Molecular Biology
060399	Evolutionary Biology not elsewhere classified	060803	Animal Developmental and Reproductive Biology
		060804	Animal Immunology
		060805	Animal Neurobiology
		060806	Animal Physiological Ecology
		060807	Animal Structure and Function
		060808	Invertebrate Biology
		060809	Vertebrate Biology
		060899	Zoology not elsewhere classified
		0699 OTHER BIOLOGICAL SCIENCES	
		069901	Forensic Biology
		069902	Global Change Biology
		069999	Biological Sciences not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 07 AGRICULTURAL AND VETERINARY SCIENCES

	0701 AGRICULTURE, LAND AND FARM MANAGEMENT		0705 FORESTRY SCIENCES
070101	Agricultural Land Management	070501	Agroforestry
070102	Agricultural Land Planning	070502	Forestry Biomass and Bioproducts
070103	Agricultural Production Systems Simulation	070503	Forestry Fire Management
070104	Agricultural Spatial Analysis and Modelling	070504	Forestry Management and Environment
070105	Agricultural Systems Analysis and Modelling	070505	Forestry Pests, Health and Diseases
070106	Farm Management, Rural Management and Agribusiness	070506	Forestry Product Quality Assessment
070107	Farming Systems Research	070507	Tree Improvement (Selection and Breeding)
070108	Sustainable Agricultural Development	070508	Tree Nutrition and Physiology
070199	Agriculture, Land and Farm Management not elsewhere classified	070509	Wood Fibre Processing
	0702 ANIMAL PRODUCTION		070510
070201	Animal Breeding	070510	Wood Processing
070202	Animal Growth and Development	070599	Forestry Sciences not elsewhere classified
070203	Animal Management		0706 HORTICULTURAL PRODUCTION
070204	Animal Nutrition	070601	Horticultural Crop Growth and Development
070205	Animal Protection (Pests and Pathogens)	070602	Horticultural Crop Improvement (Selection and Breeding)
070206	Animal Reproduction	070603	Horticultural Crop Protection (Pests, Diseases and Weeds)
070207	Humane Animal Treatment	070604	Oenology and Viticulture
	070299	070605	Post Harvest Horticultural Technologies (incl. Transportation and Storage)
	Animal Production not elsewhere classified	070699	Horticultural Production not elsewhere classified
	0703 CROP AND PASTURE PRODUCTION		0707 VETERINARY SCIENCES
070301	Agro-ecosystem Function and Prediction	070701	Veterinary Anaesthesiology and Intensive Care
070302	Agronomy	070702	Veterinary Anatomy and Physiology
070303	Crop and Pasture Biochemistry and Physiology	070703	Veterinary Diagnosis and Diagnostics
070304	Crop and Pasture Biomass and Bioproducts	070704	Veterinary Epidemiology
070305	Crop and Pasture Improvement (Selection and Breeding)	070705	Veterinary Immunology
070306	Crop and Pasture Nutrition	070706	Veterinary Medicine
070307	Crop and Pasture Post Harvest Technologies (incl. Transportation and Storage)	070707	Veterinary Microbiology (excl. Virology)
070308	Crop and Pasture Protection (Pests, Diseases and Weeds)	070708	Veterinary Parasitology
070399	Crop and Pasture Production not elsewhere classified	070709	Veterinary Pathology
	0704 FISHERIES SCIENCES	070710	Veterinary Pharmacology
070401	Aquaculture	070711	Veterinary Surgery
070402	Aquatic Ecosystem Studies and Stock Assessment	070712	Veterinary Virology
070403	Fisheries Management	070799	Veterinary Sciences not elsewhere classified
070404	Fish Pests and Diseases		0799 OTHER AGRICULTURAL AND VETERINARY SCIENCES
070405	Fish Physiology and Genetics	079901	Agricultural Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)
	070406	079902	Fertilisers and Agrochemicals (incl. Application)
	Post-Harvest Fisheries Technologies (incl. Transportation)	079999	Agricultural and Veterinary Sciences not elsewhere classified
070499	Fisheries Sciences not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 08 INFORMATION AND COMPUTING SCIENCES

	0801 ARTIFICIAL INTELLIGENCE AND IMAGE PROCESSING		0805 DISTRIBUTED COMPUTING
080101	Adaptive Agents and Intelligent Robotics	080501	Distributed and Grid Systems
080102	Artificial Life	080502	Mobile Technologies
080103	Computer Graphics	080503	Networking and Communications
080104	Computer Vision	080504	Ubiquitous Computing
080105	Expert Systems	080505	Web Technologies (excl. Web Search)
080106	Image Processing	080599	Distributed Computing not elsewhere classified
080107	Natural Language Processing		0806 INFORMATION SYSTEMS
080108	Neural, Evolutionary and Fuzzy Computation	080601	Aboriginal and Torres Strait Islander Information and Knowledge Systems
		080602	Computer-Human Interaction
080109	Pattern Recognition and Data Mining	080603	Conceptual Modelling
080110	Simulation and Modelling	080604	Database Management
080111	Virtual Reality and Related Simulation	080605	Decision Support and Group Support Systems
080199	Artificial Intelligence and Image Processing not elsewhere classified		
	0802 COMPUTATION THEORY AND MATHEMATICS	080606	Global Information Systems
080201	Analysis of Algorithms and Complexity	080607	Information Engineering and Theory
080202	Applied Discrete Mathematics	080608	Information Systems Development Methodologies
080203	Computational Logic and Formal Languages	080609	Information Systems Management
080204	Mathematical Software	080610	Information Systems Organisation
080205	Numerical Computation	080611	Information Systems Theory
080299	Computation Theory and Mathematics not elsewhere classified	080612	Interorganisational Information Systems and Web Services
	0803 COMPUTER SOFTWARE		
080301	Bioinformatics Software	080613	Māori Information and Knowledge Systems
080302	Computer System Architecture	080614	Pacific Peoples Information and Knowledge Systems
080303	Computer System Security	080699	Information Systems not elsewhere classified
080304	Concurrent Programming		0807 LIBRARY AND INFORMATION STUDIES
		080701	Aboriginal and Torres Strait Islander Knowledge Management
080305	Multimedia Programming	080702	Health Informatics
080306	Open Software	080703	Human Information Behaviour
080307	Operating Systems	080704	Information Retrieval and Web Search
080308	Programming Languages	080705	Informetrics
080309	Software Engineering	080706	Librarianship
080399	Computer Software not elsewhere classified	080707	Organisation of Information and Knowledge Resources
	0804 DATA FORMAT	080708	Records and Information Management (excl. Business Records and Information Management)
080401	Coding and Information Theory	080709	Social and Community Informatics
080402	Data Encryption	080799	Library and Information Studies not elsewhere classified
080403	Data Structures		0899 OTHER INFORMATION AND COMPUTING SCIENCES
080404	Markup Languages	089999	Information and Computing Sciences not elsewhere classified
080499	Data Format not elsewhere classified		



## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 09 ENGINEERING

090101	Aerodynamics (excl. Hypersonic Aerodynamics)	090701	Environmental Engineering Design
090102	Aerospace Materials	090702	Environmental Engineering Modelling
090103	Aerospace Structures	090703	Environmental Technologies
090104	Aircraft Performance and Flight Control Systems	090799	Environmental Engineering not elsewhere classified
090105	Avionics	090800	0908 FOOD SCIENCES
090106	Flight Dynamics	090801	Food Chemistry and Molecular Gastronomy (excl. Wine)
090107	Hypersonic Propulsion and Hypersonic Aerodynamics	090802	Food Engineering
090108	Satellite, Space Vehicle and Missile Design and Testing	090803	Food Nutritional Balance
090199	Aerospace Engineering not elsewhere classified	090804	Food Packaging, Preservation and Safety
090201	Automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	090805	Food Processing
090202	Automotive Engineering Materials	090806	Wine Chemistry and Wine Sensory Science
090203	Automotive Mechatronics	090899	Food Sciences not elsewhere classified
090204	Automotive Safety Engineering	090900	0909 GEOMATIC ENGINEERING
090205	Hybrid Vehicles and Powertrains	090901	Cartography
090299	Automotive Engineering not elsewhere classified	090902	Geodesy
090300	0903 BIOMEDICAL ENGINEERING	090903	Geospatial Information Systems
090301	Biomaterials	090904	Navigation and Position Fixing
090302	Biomechanical Engineering	090905	Photogrammetry and Remote Sensing
090303	Biomedical Instrumentation	090906	Surveying (incl. Hydrographic Surveying)
090304	Medical Devices	090999	Geomatic Engineering not elsewhere classified
090305	Rehabilitation Engineering	091000	0910 MANUFACTURING ENGINEERING
090399	Biomedical Engineering not elsewhere classified	091001	CAD/CAM Systems
090400	0904 CHEMICAL ENGINEERING	091002	Flexible Manufacturing Systems
090401	Carbon Capture Engineering (excl. Sequestration)	091003	Machine Tools
090402	Catalytic Process Engineering	091004	Machining
090403	Chemical Engineering Design	091005	Manufacturing Management
090404	Membrane and Separation Technologies	091006	Manufacturing Processes and Technologies (excl. Textiles)
090405	Non-automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	091007	Manufacturing Robotics and Mechatronics (excl. Automotive Mechatronics)
090406	Powder and Particle Technology	091008	Manufacturing Safety and Quality
090407	Process Control and Simulation	091009	Microtechnology
090408	Rheology	091010	Packaging, Storage and Transportation (excl. Food and Agricultural Products)
090409	Wastewater Treatment Processes	091011	Precision Engineering
090410	Water Treatment Processes	091012	Textile Technology
090499	Chemical Engineering not elsewhere classified	091099	Manufacturing Engineering not elsewhere classified
090500	0905 CIVIL ENGINEERING	091100	0911 MARITIME ENGINEERING
090501	Civil Geotechnical Engineering	091101	Marine Engineering
090502	Construction Engineering	091102	Naval Architecture
090503	Construction Materials	091103	Ocean Engineering
090504	Earthquake Engineering	091104	Ship and Platform Hydrodynamics
090505	Infrastructure Engineering and Asset Management	091105	Ship and Platform Structures
090506	Structural Engineering	091106	Special Vehicles
090507	Transport Engineering	091199	Maritime Engineering not elsewhere classified
090508	Water Quality Engineering	091200	0912 MATERIALS ENGINEERING
090509	Water Resources Engineering	091201	Ceramics
090599	Civil Engineering not elsewhere classified	091202	Composite and Hybrid Materials
090600	0906 ELECTRICAL AND ELECTRONIC ENGINEERING	091203	Compound Semiconductors
090601	Circuits and Systems	091204	Elemental Semiconductors
090602	Control Systems, Robotics and Automation	091205	Functional Materials
090603	Industrial Electronics	091206	Glass
090604	Microelectronics and Integrated Circuits	091207	Metals and Alloy Materials
090605	Photodetectors, Optical Sensors and Solar Cells	091208	Organic Semiconductors
090606	Photonics and Electro-Optical Engineering (excl. Communications)	091209	Polymers and Plastics
090607	Power and Energy Systems Engineering (excl. Renewable Power)	091210	Timber, Pulp and Paper
090608	Renewable Power and Energy Systems Engineering (excl. Solar Cells)	091299	Materials Engineering not elsewhere classified
090609	Signal Processing		
090699	Electrical and Electronic Engineering not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 09 ENGINEERING

	0913 MECHANICAL ENGINEERING		0915 INTERDISCIPLINARY ENGINEERING
091301	Acoustics and Noise Control (excl. Architectural Acoustics)	091501	Computational Fluid Dynamics
091302	Automation and Control Engineering	091502	Computational Heat Transfer
091303	Autonomous Vehicles	091503	Engineering Practice
091304	Dynamics, Vibration and Vibration Control	091504	Fluidisation and Fluid Mechanics
091305	Energy Generation, Conversion and Storage Engineering	091505	Heat and Mass Transfer Operations
091306	Microelectromechanical Systems (MEMS)	091506	Nuclear Engineering (incl. Fuel Enrichment and Waste Processing and Storage)
091307	Numerical Modelling and Mechanical Characterisation	091507	Risk Engineering (excl. Earthquake Engineering)
091308	Solid Mechanics	091508	Turbulent Flows
091309	Tribology	091599	Interdisciplinary Engineering not elsewhere classified
091399	Mechanical Engineering not elsewhere classified	0999	OTHER ENGINEERING
	0914 RESOURCES ENGINEERING AND EXTRACTIVE METALLURGY	099901	Agricultural Engineering
091401	Electrometallurgy	099902	Engineering Instrumentation
091402	Geomechanics and Resources Geotechnical Engineering	099999	Engineering not elsewhere classified
091403	Hydrometallurgy		
091404	Mineral Processing/Beneficiation		
091405	Mining Engineering		
091406	Petroleum and Reservoir Engineering		
091407	Pyrometallurgy		
091499	Resources Engineering and Extractive Metallurgy not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 10 TECHNOLOGY

	1001 AGRICULTURAL BIOTECHNOLOGY		1005 COMMUNICATIONS TECHNOLOGIES
100101	Agricultural Biotechnology Diagnostics (incl. Biosensors)	100501	Antennas and Propagation
100102	Agricultural Marine Biotechnology	100502	Broadband and Modem Technology
100103	Agricultural Molecular Engineering of Nucleic Acids and Proteins	100503	Computer Communications Networks
100104	Genetically Modified Animals	100504	Data Communications
100105	Genetically Modified Field Crops and Pasture	100505	Microwave and Millimetrewave Theory and Technology
100106	Genetically Modified Horticulture Plants	100506	Optical Fibre Communications
100107	Genetically Modified Trees	100507	Optical Networks and Systems
100108	Livestock cloning	100508	Satellite Communications
100109	Transgenesis	100509	Video Communications
100199	Agricultural Biotechnology not elsewhere classified	100510	Wireless Communications
	1002 ENVIRONMENTAL BIOTECHNOLOGY	100599	Communications Technologies not elsewhere classified
100201	Biodiscovery		1006 COMPUTER HARDWARE
100202	Biological Control	100601	Arithmetic and Logic Structures
100203	Bioremediation	100602	Input, Output and Data Devices
100204	Environmental Biotechnology Diagnostics (incl. Biosensors)	100603	Logic Design
100205	Environmental Marine Biotechnology	100604	Memory Structures
100206	Environmental Molecular Engineering of Nucleic Acids and Proteins	100605	Performance Evaluation; Testing and Simulation of Reliability
100299	Environmental Biotechnology not elsewhere classified	100606	Processor Architectures
	1003 INDUSTRIAL BIOTECHNOLOGY	100699	Computer Hardware not elsewhere classified
100301	Biocatalysis and Enzyme Technology		1007 NANOTECHNOLOGY
100302	Bioprocessing, Bioproduction and Bioproducts	100701	Environmental Nanotechnology
100303	Fermentation	100702	Molecular and Organic Electronics
100304	Industrial Biotechnology Diagnostics (incl. Biosensors)	100703	Nanobiotechnology
100305	Industrial Microbiology (incl. Biofeedstocks)	100704	Nanoelectromechanical Systems
100306	Industrial Molecular Engineering of Nucleic Acids and Proteins	100705	Nanoelectronics
100399	Industrial Biotechnology not elsewhere classified	100706	Nanofabrication, Growth and Self Assembly
	1004 MEDICAL BIOTECHNOLOGY	100707	Nanomanufacturing
100401	Gene and Molecular Therapy	100708	Nanomaterials
100402	Medical Biotechnology Diagnostics (incl. Biosensors)	100709	Nanomedicine
100403	Medical Molecular Engineering of Nucleic Acids and Proteins	100710	Nanometrology
100404	Regenerative Medicine (incl. Stem Cells and Tissue Engineering)	100711	Nanophotonics
100499	Medical Biotechnology not elsewhere classified	100712	Nanoscale Characterisation
		100713	Nanotoxicology, Health and Safety
		100799	Nanotechnology not elsewhere classified
			1099 OTHER TECHNOLOGY
		109999	Technology not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 11 MEDICAL AND HEALTH SCIENCES

110101	1101 MEDICAL BIOCHEMISTRY AND METABOLOMICS Medical Biochemistry: Amino Acids and Metabolites	110601	1106 HUMAN MOVEMENT AND SPORTS SCIENCE Biomechanics
110102	Medical Biochemistry: Carbohydrates	110602	Exercise Physiology
110103	Medical Biochemistry: Inorganic Elements and Compounds	110603	Motor Control
110104	Medical Biochemistry: Lipids	110604	Sports Medicine
110105	Medical Biochemistry: Nucleic Acids	110699	Human Movement and Sports Science not elsewhere classified
110106	Medical Biochemistry: Proteins and Peptides (incl. Medical Proteomics)	1107	IMMUNOLOGY
110107	Metabolic Medicine	110701	Allergy
110199	Medical Biochemistry and Metabolomics not elsewhere classified	110702	Applied Immunology (incl. Antibody Engineering, Xenotransplantation and T-cell Therapies)
110201	1102 CARDIORESPIRATORY MEDICINE AND HAEMATOLOGY Cardiology (incl. Cardiovascular Diseases)	110703	Autoimmunity
110202	Haematology	110704	Cellular Immunology
110203	Respiratory Diseases	110705	Humoural Immunology and Immunochemistry
110299	Cardiorespiratory Medicine and Haematology not elsewhere classified	110706	Immunogenetics (incl. Genetic Immunology)
110301	1103 CLINICAL SCIENCES Anaesthesiology	110707	Innate Immunity
110302	Clinical Chemistry (diagnostics)	110708	Transplantation Immunology
110303	Clinical Microbiology	110709	Tumour Immunology
110304	Dermatology	110799	Immunology not elsewhere classified
110305	Emergency Medicine	110801	1108 MEDICAL MICROBIOLOGY Medical Bacteriology
110306	Endocrinology	110802	Medical Infection Agents (incl. Prions)
110307	Gastroenterology and Hepatology	110803	Medical Parasitology
110308	Geriatrics and Gerontology	110804	Medical Virology
110309	Infectious Diseases	110899	Medical Microbiology not elsewhere classified
110310	Intensive Care	1109	NEUROSCIENCES
110311	Medical Genetics (excl. Cancer Genetics)	110901	Autonomic Nervous System
110312	Nephrology and Urology	110902	Cellular Nervous System
110313	Nuclear Medicine	110903	Central Nervous System
110314	Orthopaedics	110904	Neurology and Neuromuscular Diseases
110315	Otorhinolaryngology	110905	Peripheral Nervous System
110316	Pathology (excl. Oral Pathology)	110906	Sensory Systems
110317	Physiotherapy	110999	Neurosciences not elsewhere classified
110318	Podiatry	1110	NURSING
110319	Psychiatry (incl. Psychotherapy)	111001	Aged Care Nursing
110320	Radiology and Organ Imaging	111002	Clinical Nursing: Primary (Preventative)
110321	Rehabilitation and Therapy (excl. Physiotherapy)	111003	Clinical Nursing: Secondary (Acute Care)
110322	Rheumatology and Arthritis	111004	Clinical Nursing: Tertiary (Rehabilitative)
110323	Surgery	111005	Mental Health Nursing
110324	Venerology	111006	Midwifery
110399	Clinical Sciences not elsewhere classified	111099	Nursing not elsewhere classified
110401	1104 COMPLEMENTARY AND ALTERNATIVE MEDICINE Chiropractic	1111	NUTRITION AND DIETETICS
110402	Naturopathy	111101	Clinical and Sports Nutrition
110403	Traditional Aboriginal and Torres Strait Islander Medicine and Treatments	111102	Dietetics and Nutrigenomics
110404	Traditional Chinese Medicine and Treatments	111103	Nutritional Physiology
110405	Traditional Māori Medicine and Treatments	111104	Public Nutrition Intervention
110499	Complementary and Alternative Medicine not elsewhere classified	111199	Nutrition and Dietetics not elsewhere classified
110501	1105 DENTISTRY Dental Materials and Equipment	1112	ONCOLOGY AND CARCINOGENESIS
110502	Dental Therapeutics, Pharmacology and Toxicology	111201	Cancer Cell Biology
110503	Endodontics	111202	Cancer Diagnosis
110504	Oral and Maxillofacial Surgery	111203	Cancer Genetics
110505	Oral Medicine and Pathology	111204	Cancer Therapy (excl. Chemotherapy and Radiation Therapy)
110506	Orthodontics and Dentofacial Orthopaedics	111205	Chemotherapy
110507	Paedodontics	111206	Haematological Tumours
110508	Periodontics	111207	Molecular Targets
110509	Special Needs Dentistry	111208	Radiation Therapy
110599	Dentistry not elsewhere classified	111209	Solid Tumours
		111299	Oncology and Carcinogenesis not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 11 MEDICAL AND HEALTH SCIENCES

	1113 OPHTHALMOLOGY AND OPTOMETRY		1117 PUBLIC HEALTH AND HEALTH SERVICES
111301	Ophthalmology	111701	Aboriginal and Torres Strait Islander Health
111302	Optical Technology	111702	Aged Health Care
111303	Vision Science	111703	Care for Disabled
111399	Ophthalmology and Optometry not elsewhere classified	111704	Community Child Health
	1114 PAEDIATRICS AND REPRODUCTIVE MEDICINE	111705	Environmental and Occupational Health and Safety
111401	Foetal Development and Medicine	111706	Epidemiology
111402	Obstetrics and Gynaecology	111707	Family Care
111403	Paediatrics	111708	Health and Community Services
111404	Reproduction	111709	Health Care Administration
111499	Paediatrics and Reproductive Medicine not elsewhere classified	111710	Health Counselling
	1115 PHARMACOLOGY AND PHARMACEUTICAL SCIENCES	111711	Health Information Systems (incl. Surveillance)
111501	Basic Pharmacology	111712	Health Promotion
111502	Clinical Pharmacology and Therapeutics	111713	Māori Health
111503	Clinical Pharmacy and Pharmacy Practice	111714	Mental Health
111504	Pharmaceutical Sciences	111715	Pacific Peoples Health
111505	Pharmacogenomics	111716	Preventive Medicine
111506	Toxicology (incl. Clinical Toxicology)	111717	Primary Health Care
111599	Pharmacology and Pharmaceutical Sciences not elsewhere classified	111718	Residential Client Care
	1116 MEDICAL PHYSIOLOGY	111799	Public Health and Health Services not elsewhere classified
111601	Cell Physiology	119999	1199 OTHER MEDICAL AND HEALTH SCIENCES
111602	Human Biophysics		Medical and Health Sciences not elsewhere classified
111603	Systems Physiology		
111699	Medical Physiology not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 12 BUILT ENVIRONMENT AND DESIGN

	1201 ARCHITECTURE		1204 ENGINEERING DESIGN
120101	Architectural Design	120401	Engineering Design Empirical Studies
120102	Architectural Heritage and Conservation	120402	Engineering Design Knowledge
120103	Architectural History and Theory	120403	Engineering Design Methods
120104	Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)	120404	Engineering Systems Design
120105	Architecture Management	120405	Models of Engineering Design
120106	Interior Design	120499	Engineering Design not elsewhere classified
120107	Landscape Architecture		1205 URBAN AND REGIONAL PLANNING
120199	Architecture not elsewhere classified	120501	Community Planning
	1202 BUILDING	120502	History and Theory of the Built Environment (excl. Architecture)
120201	Building Construction Management and Project Planning	120503	Housing Markets, Development, Management
120202	Building Science and Techniques	120504	Land Use and Environmental Planning
120203	Quantity Surveying	120505	Regional Analysis and Development
120299	Building not elsewhere classified	120506	Transport Planning
	1203 DESIGN PRACTICE AND MANAGEMENT	120507	Urban Analysis and Development
120301	Design History and Theory	120508	Urban Design
120302	Design Innovation	120599	Urban and Regional Planning not elsewhere classified
120303	Design Management and Studio and Professional Practice		1299 OTHER BUILT ENVIRONMENT AND DESIGN
120304	Digital and Interaction Design	129999	Built Environment and Design not elsewhere classified
120305	Industrial Design		
120306	Textile and Fashion Design		
120307	Visual Communication Design (incl. Graphic Design)		
120399	Design Practice and Management not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 13 EDUCATION

	1301 EDUCATION SYSTEMS		1303 SPECIALIST STUDIES IN EDUCATION
130101	Continuing and Community Education	130301	Aboriginal and Torres Strait Islander Education
130102	Early Childhood Education (excl. Māori)	130302	Comparative and Cross-Cultural Education
130103	Higher Education	130303	Education Assessment and Evaluation
130104	Kura Kaupapa Māori (Māori Primary Education)	130304	Educational Administration, Management and Leadership
130105	Primary Education (excl. Māori)	130305	Educational Counselling
130106	Secondary Education	130306	Educational Technology and Computing
130107	Te Whāriki (Māori Early Childhood Education)	130307	Ethnic Education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)
130108	Technical, Further and Workplace Education	130308	Gender, Sexuality and Education
130199	Education Systems not elsewhere classified	130309	Learning Sciences
	1302 CURRICULUM AND PEDAGOGY	130310	Māori Education (excl. Early Childhood and Primary Education)
130201	Creative Arts, Media and Communication Curriculum and Pedagogy	130311	Pacific Peoples Education
130202	Curriculum and Pedagogy Theory and Development	130312	Special Education and Disability
130203	Economics, Business and Management Curriculum and Pedagogy	130313	Teacher Education and Professional Development of Educators
130204	English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)	130399	Specialist Studies in Education not elsewhere classified
130205	Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)		1399 OTHER EDUCATION
130206	Kōhanga Reo (Māori Language Curriculum and Pedagogy)	139999	Education not elsewhere classified
130207	LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)		
130208	Mathematics and Numeracy Curriculum and Pedagogy		
130209	Medicine, Nursing and Health Curriculum and Pedagogy		
130210	Physical Education and Development Curriculum and Pedagogy		
130211	Religion Curriculum and Pedagogy		
130212	Science, Technology and Engineering Curriculum and Pedagogy		
130213	Vocational Education and Training Curriculum and Pedagogy		
130299	Curriculum and Pedagogy not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 14 ECONOMICS

	1401 ECONOMIC THEORY		1403 ECONOMETRICS
140101	History of Economic Thought	140301	Cross-Sectional Analysis
140102	Macroeconomic Theory	140302	Econometric and Statistical Methods
140103	Mathematical Economics	140303	Economic Models and Forecasting
140104	Microeconomic Theory	140304	Panel Data Analysis
140199	Economic Theory not elsewhere classified	140305	Time-Series Analysis
	1402 APPLIED ECONOMICS	140399	Econometrics not elsewhere classified
140201	Agricultural Economics		1499 OTHER ECONOMICS
140202	Economic Development and Growth	149901	Comparative Economic Systems
140203	Economic History	149902	Ecological Economics
140204	Economics of Education	149903	Heterodox Economics
140205	Environment and Resource Economics	149999	Economics not elsewhere classified
140206	Experimental Economics		
140207	Financial Economics		
140208	Health Economics		
140209	Industry Economics and Industrial Organisation		
140210	International Economics and International Finance		
140211	Labour Economics		
140212	Macroeconomics (incl. Monetary and Fiscal Theory)		
140213	Public Economics- Public Choice		
140214	Public Economics- Publically Provided Goods		
140215	Public Economics- Taxation and Revenue		
140216	Tourism Economics		
140217	Transport Economics		
140218	Urban and Regional Economics		
140219	Welfare Economics		
140299	Applied Economics not elsewhere classified		



## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

	1501 ACCOUNTING, AUDITING AND ACCOUNTABILITY		1504 COMMERCIAL SERVICES
150101	Accounting Theory and Standards	150401	Food and Hospitality Services
150102	Auditing and Accountability	150402	Hospitality Management
150103	Financial Accounting	150403	Real Estate and Valuation Services
150104	International Accounting	150404	Sport and Leisure Management
150105	Management Accounting	150499	Commercial Services not elsewhere classified
150106	Sustainability Accounting and Reporting		1505 MARKETING
150107	Taxation Accounting	150501	Consumer-Oriented Product or Service Development
150199	Accounting, Auditing and Accountability not elsewhere classified	150502	Marketing Communications
	1502 BANKING, FINANCE AND INVESTMENT		150503
		150503	Marketing Management (incl. Strategy and Customer Relations)
150201	Finance	150504	Marketing Measurement
150202	Financial Econometrics	150505	Marketing Research Methodology
150203	Financial Institutions (incl. Banking)	150506	Marketing Theory
150204	Insurance Studies	150507	Pricing (incl. Consumer Value Estimation)
150205	Investment and Risk Management	150599	Marketing not elsewhere classified
150299	Banking, Finance and Investment not elsewhere classified		1506 TOURISM
	1503 BUSINESS AND MANAGEMENT	150601	Impacts of Tourism
150301	Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)	150602	Tourism Forecasting
150302	Business Information Systems		150603
150303	Corporate Governance and Stakeholder Engagement	150603	Tourism Management
150304	Entrepreneurship	150604	Tourism Marketing
150305	Human Resources Management	150605	Tourism Resource Appraisal
150306	Industrial Relations	150606	Tourist Behaviour and Visitor Experience
150307	Innovation and Technology Management	150699	Tourism not elsewhere classified
150308	International Business		1507 TRANSPORTATION AND FREIGHT SERVICES
150309	Logistics and Supply Chain Management	150701	Air Transportation and Freight Services
150310	Organisation and Management Theory	150702	Rail Transportation and Freight Services
150311	Organisational Behaviour	150703	Road Transportation and Freight Services
150312	Organisational Planning and Management	150799	Transportation and Freight Services not elsewhere classified
			1599 OTHER COMMERCE, MANAGEMENT, TOURISM AND SERVICES
150313	Quality Management	159999	Commerce, Management, Tourism and Services not elsewhere classified
150314	Small Business Management		
150399	Business and Management not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 16 STUDIES IN HUMAN SOCIETY

1601 ANTHROPOLOGY	1606 POLITICAL SCIENCE
160101 Anthropology of Development	160601 Australian Government and Politics
160102 Biological (Physical) Anthropology	160602 Citizenship
160103 Linguistic Anthropology	160603 Comparative Government and Politics
160104 Social and Cultural Anthropology	160604 Defence Studies
160199 Anthropology not elsewhere classified	160605 Environmental Politics
1602 CRIMINOLOGY	160606 Government and Politics of Asia and the Pacific
160201 Causes and Prevention of Crime	160607 International Relations
160202 Correctional Theory, Offender Treatment and Rehabilitation	160608 New Zealand Government and Politics
160203 Courts and Sentencing	160609 Political Theory and Political Philosophy
160204 Criminological Theories	160699 Political Science not elsewhere classified
160205 Police Administration, Procedures and Practice	1607 SOCIAL WORK
160206 Private Policing and Security Services	160701 Clinical Social Work Practice
160299 Criminology not elsewhere classified	160702 Counselling, Welfare and Community Services
1603 DEMOGRAPHY	160703 Social Program Evaluation
160301 Family and Household Studies	160799 Social Work not elsewhere classified
160302 Fertility	1608 SOCIOLOGY
160303 Migration	160801 Applied Sociology, Program Evaluation and Social Impact Assessment
160304 Mortality	160802 Environmental Sociology
160305 Population Trends and Policies	160803 Race and Ethnic Relations
160399 Demography not elsewhere classified	160804 Rural Sociology
1604 HUMAN GEOGRAPHY	160805 Social Change
160401 Economic Geography	160806 Social Theory
160402 Recreation, Leisure and Tourism Geography	160807 Sociological Methodology and Research Methods
160403 Social and Cultural Geography	160808 Sociology and Social Studies of Science and Technology
160404 Urban and Regional Studies (excl. Planning)	160809 Sociology of Education
160499 Human Geography not elsewhere classified	160810 Urban Sociology and Community Studies
1605 POLICY AND ADMINISTRATION	160899 Sociology not elsewhere classified
160501 Aboriginal and Torres Strait Islander Policy	1699 OTHER STUDIES IN HUMAN SOCIETY
160502 Arts and Cultural Policy	169901 Gender Specific Studies
160503 Communications and Media Policy	169902 Studies of Aboriginal and Torres Strait Islander Society
160504 Crime Policy	169903 Studies of Asian Society
160505 Economic Development Policy	169904 Studies of Māori Society
160506 Education Policy	169905 Studies of Pacific Peoples' Societies
160507 Environment Policy	169999 Studies in Human Society not elsewhere classified
160508 Health Policy	
160509 Public Administration	
160510 Public Policy	
160511 Research, Science and Technology Policy	
160512 Social Policy	
160513 Tourism Policy	
160514 Urban Policy	
160599 Policy and Administration not elsewhere classified	

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

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### 17 PSYCHOLOGY AND COGNITIVE SCIENCES

1701 PSYCHOLOGY

170101 Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)

170102 Developmental Psychology and Ageing

170103 Educational Psychology

170104 Forensic Psychology

170105 Gender Psychology

170106 Health, Clinical and Counselling Psychology

170107 Industrial and Organisational Psychology

170108 Kaupapa Māori Psychology

170109 Personality, Abilities and Assessment

170110 Psychological Methodology, Design and Analysis

170111 Psychology of Religion

170112 Sensory Processes, Perception and Performance

170113 Social and Community Psychology

170114 Sport and Exercise Psychology

170199 Psychology not elsewhere classified

1702 COGNITIVE SCIENCES

170201 Computer Perception, Memory and Attention

170202 Decision Making

170203 Knowledge Representation and Machine Learning

170204 Linguistic Processes (incl. Speech Production and Comprehension)

170205 Neurocognitive Patterns and Neural Networks

170299 Cognitive Sciences not elsewhere classified

1799 OTHER PSYCHOLOGY AND COGNITIVE SCIENCES

179999 Psychology and Cognitive Sciences not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

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### 18 LAW AND LEGAL STUDIES

1801 LAW

180101 Aboriginal and Torres Strait Islander Law  
180102 Access to Justice  
180103 Administrative Law  
180104 Civil Law and Procedure  
180105 Commercial and Contract Law  
180106 Comparative Law  
180107 Conflict of Laws (Private International Law)  
180108 Constitutional Law  
180109 Corporations and Associations Law  
180110 Criminal Law and Procedure  
180111 Environmental and Natural Resources Law  
180112 Equity and Trusts Law  
180113 Family Law  
180114 Human Rights Law  
180115 Intellectual Property Law  
180116 International Law (excl. International Trade Law)  
180117 International Trade Law  
180118 Labour Law  
180119 Law and Society  
180120 Legal Institutions (incl. Courts and Justice Systems)  
180121 Legal Practice, Lawyering and the Legal Profession  
180122 Legal Theory, Jurisprudence and Legal Interpretation  
180123 Litigation, Adjudication and Dispute Resolution  
180124 Property Law (excl. Intellectual Property Law)  
180125 Taxation Law  
180126 Tort Law  
180199 Law not elsewhere classified

1802 MĀORI LAW

180201 Nga Tikanga Māori (Māori Customary Law)  
180202 Te Māori Whakakaere Rauemi (Māori Resource Law)  
180203 Te Tiriti O Waitangi (The Treaty of Waitangi)  
180204 Te Ture Whenua (Māori Land Law)  
180299 Māori Law not elsewhere classified

1899 OTHER LAW AND LEGAL STUDIES

189999 Law and Legal Studies not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 19 STUDIES IN CREATIVE ARTS AND WRITING

	1901 ART THEORY AND CRITICISM		1904 PERFORMING ARTS AND CREATIVE WRITING
190101	Art Criticism	190401	Aboriginal and Torres Strait Islander Performing Arts
190102	Art History	190402	Creative Writing (incl. Playwriting)
190103	Art Theory	190403	Dance
190104	Visual Cultures	190404	Drama, Theatre and Performance Studies
190199	Art Theory and Criticism not elsewhere classified	190405	Māori Performing Arts
	1902 FILM, TELEVISION AND DIGITAL MEDIA	190406	Music Composition
190201	Cinema Studies	190407	Music Performance
190202	Computer Gaming and Animation	190408	Music Therapy
190203	Electronic Media Art	190409	Musicology and Ethnomusicology
190204	Film and Television	190410	Pacific Peoples Performing Arts
190205	Interactive Media	190499	Performing Arts and Creative Writing not elsewhere classified
	190299 Film, Television and Digital Media not elsewhere classified		1905 VISUAL ARTS AND CRAFTS
	1903 JOURNALISM AND PROFESSIONAL WRITING	190501	Crafts
190301	Journalism Studies	190502	Fine Arts (incl. Sculpture and Painting)
190302	Professional Writing	190503	Lens-based Practice
190303	Technical Writing	190504	Performance and Installation Art
190399	Journalism and Professional Writing not elsewhere classified	190599	Visual Arts and Crafts not elsewhere classified
			1999 OTHER STUDIES IN CREATIVE ARTS AND WRITING
		199999	Studies in Creative Arts and Writing not elsewhere classified

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 20 LANGUAGE, COMMUNICATION AND CULTURE

	2001 COMMUNICATION AND MEDIA STUDIES		2004 LINGUISTICS
200101	Communication Studies	200401	Applied Linguistics and Educational Linguistics
200102	Communication Technology and Digital Media Studies	200402	Computational Linguistics
200103	International and Development Communication	200403	Discourse and Pragmatics
200104	Media Studies	200404	Laboratory Phonetics and Speech Science
200105	Organisational, Interpersonal and Intercultural Communication	200405	Language in Culture and Society (Sociolinguistics)
200199	Communication and Media Studies not elsewhere classified	200406	Language in Time and Space (incl. Historical Linguistics, Dialectology)
	2002 CULTURAL STUDIES	200407	Lexicography
200201	Aboriginal and Torres Strait Islander Cultural Studies	200408	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
200202	Asian Cultural Studies	200499	Linguistics not elsewhere classified
200203	Consumption and Everyday Life		2005 LITERARY STUDIES
200204	Cultural Theory	200501	Aboriginal and Torres Strait Islander Literature
200205	Culture, Gender, Sexuality	200502	Australian Literature (excl. Aboriginal and Torres Strait Islander Literature)
200206	Globalisation and Culture	200503	British and Irish Literature
200207	Māori Cultural Studies	200504	Māori Literature
200208	Migrant Cultural Studies	200505	New Zealand Literature (excl. Māori Literature)
200209	Multicultural, Intercultural and Cross-cultural Studies	200506	North American Literature
200210	Pacific Cultural Studies	200507	Pacific Literature
200211	Postcolonial Studies	200508	Other Literatures in English
200212	Screen and Media Culture	200509	Central and Eastern European Literature (incl. Russian)
200299	Cultural Studies not elsewhere classified	200510	Latin and Classical Greek Literature
	2003 LANGUAGE STUDIES	200511	Literature in French
200301	Early English Languages	200512	Literature in German
200302	English Language	200513	Literature in Italian
200303	English as a Second Language	200514	Literature in Spanish and Portuguese
200304	Central and Eastern European Languages (incl. Russian)	200515	Other European Literature
200305	Latin and Classical Greek Languages	200516	Indonesian Literature
200306	French Language	200517	Literature in Chinese
200307	German Language	200518	Literature in Japanese
200308	Iberian Languages	200519	South-East Asian Literature (excl. Indonesian)
200309	Italian Language	200520	Indian Literature
200310	Other European Languages	200521	Korean Literature
200311	Chinese Languages	200522	Other Asian Literature (excl. South-East Asian)
200312	Japanese Language	200523	Middle Eastern Literature
200313	Indonesian Languages	200524	Comparative Literature Studies
200314	South-East Asian Languages (excl. Indonesian)	200525	Literary Theory
200315	Indian Languages	200526	Stylistics and Textual Analysis
200316	Korean Language	200599	Literary Studies not elsewhere classified
200317	Other Asian Languages (excl. South-East Asian)		2099 OTHER LANGUAGE, COMMUNICATION AND CULTURE
200318	Middle Eastern Languages	209999	Language, Communication and Culture not elsewhere classified
200319	Aboriginal and Torres Strait Islander Languages		
200320	Pacific Languages		
200321	Te Reo Māori (Māori Language)		
200322	Comparative Language Studies		
200323	Translation and Interpretation Studies		
200399	Language Studies not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 21 HISTORY AND ARCHAEOLOGY

2101 ARCHAEOLOGY		2103 HISTORICAL STUDIES	
210101	Aboriginal and Torres Strait Islander Archaeology	210301	Aboriginal and Torres Strait Islander History
210102	Archaeological Science	210302	Asian History
210103	Archaeology of Asia, Africa and the Americas	210303	Australian History (excl. Aboriginal and Torres Strait Islander History)
210104	Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)	210304	Biography
210105	Archaeology of Europe, the Mediterranean and the Levant	210305	British History
210106	Archaeology of New Guinea and Pacific Islands (excl. New Zealand)	210306	Classical Greek and Roman History
210107	Archaeology of New Zealand (excl. Māori)	210307	European History (excl. British, Classical Greek and Roman)
210108	Historical Archaeology (incl. Industrial Archaeology)	210308	Latin American History
210109	Māori Archaeology	210309	Māori History
210110	Maritime Archaeology	210310	Middle Eastern and African History
210199	Archaeology not elsewhere classified	210311	New Zealand History
2102 CURATORIAL AND RELATED STUDIES		210312	North American History
210201	Archival, Repository and Related Studies	210313	Pacific History (excl. New Zealand and Māori)
210202	Heritage and Cultural Conservation	210399	Historical Studies not elsewhere classified
210203	Materials Conservation	2199 OTHER HISTORY AND ARCHAEOLOGY	
210204	Museum Studies	219999	History and Archaeology not elsewhere classified
210299	Curatorial and Related Studies not elsewhere classified		

## APPENDIX 1 FOR FIELDS BY CODE NUMBER *continued*

### 22 PHILOSOPHY AND RELIGIOUS STUDIES

	2201 APPLIED ETHICS		2204 RELIGION AND RELIGIOUS STUDIES
220101	Bioethics (human and animal)	220401	Christian Studies (incl. Biblical Studies and Church History)
220102	Business Ethics	220402	Comparative Religious Studies
220103	Ethical Use of New Technology (e.g. Nanotechnology, Biotechnology)	220403	Islamic Studies
220104	Human Rights and Justice Issues	220404	Jewish Studies
220105	Legal Ethics	220405	Religion and Society
220106	Medical Ethics	220406	Studies in Eastern Religious Traditions
220107	Professional Ethics (incl. police and research ethics)	220407	Studies in Religious Traditions (excl. Eastern, Jewish, Christian and Islamic Traditions)
220199	Applied Ethics not elsewhere classified	220499	Religion and Religious Studies not elsewhere classified
	2202 HISTORY AND PHILOSOPHY OF SPECIFIC FIELDS	229999	2299 OTHER PHILOSOPHY AND RELIGIOUS STUDIES
220201	Business and Labour History		Philosophy and Religious Studies not elsewhere classified
220202	History and Philosophy of Education		
220203	History and Philosophy of Engineering and Technology		
220204	History and Philosophy of Law and Justice		
220205	History and Philosophy of Medicine		
220206	History and Philosophy of Science (incl. Non-historical Philosophy of Science)		
220207	History and Philosophy of the Humanities		
220208	History and Philosophy of the Social Sciences		
220209	History of Ideas		
220210	History of Philosophy		
220299	History and Philosophy of Specific Fields not elsewhere classified		
	2203 PHILOSOPHY		
220301	Aesthetics		
220302	Decision Theory		
220303	Environmental Philosophy		
220304	Epistemology		
220305	Ethical Theory		
220306	Feminist Theory		
220307	Hermeneutic and Critical Theory		
220308	Logic		
220309	Metaphysics		
220310	Phenomenology		
220311	Philosophical Psychology (incl. Moral Psychology and Philosophy of Action)		
220312	Philosophy of Cognition		
220313	Philosophy of Language		
220314	Philosophy of Mind (excl. Cognition)		
220315	Philosophy of Religion		
220316	Philosophy of Specific Cultures (incl. Comparative Philosophy)		
220317	Poststructuralism		
220318	Psychoanalytic Philosophy		
220319	Social Philosophy		
220399	Philosophy not elsewhere classified		



## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER

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### 81 DEFENCE

8101 DEFENCE

- 810101 Air Force
- 810102 Army
- 810103 Command, Control and Communications
- 810104 Emerging Defence Technologies
- 810105 Intelligence
- 810106 Logistics
- 810107 National Security
- 810108 Navy
- 810109 Personnel
- 810199 Defence not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 82 PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS

820101	8201 FORESTRY Hardwood Plantations	820501	8205 WINTER GRAINS AND OILSEEDS Barley
820102	Harvesting and Transport of Forest Products	820502	Canola
820103	Integration of Farm and Forestry	820503	Grain Legumes
820104	Native Forests	820504	Linseed
820105	Softwood Plantations	820505	Lupins
820199	Forestry not elsewhere classified	820506	Oats
820201	8202 HORTICULTURAL CROPS Almonds	820507	Wheat
820202	Berry Fruit (excl. Kiwifruit)	820599	Winter Grains and Oilseeds not elsewhere classified
820203	Citrus Fruit	820601	8206 HARVESTING AND PACKING OF PLANT PRODUCTS Cotton Lint and Cotton Seed
820204	Hops	820602	Fresh Fruits and Vegetables (Post Harvest)
820205	Kiwifruit	820603	Sugar Cane (Cut for Crushing)
820206	Macadamias	820604	Tobacco Leaf
820207	Mushrooms and Truffles	820605	Unprocessed Grains
820208	Olives	820606	Unprocessed Industrial Crops (excl. Sugar, Tobacco and Cotton)
820209	Ornamentals, Natives, Flowers and Nursery Plants	820607	Unprocessed Oilseeds
820210	Pome Fruit, Pip Fruit	820699	Harvesting and Packing of Plant Products not elsewhere classified
820211	Stone Fruit	829801	8298 ENVIRONMENTALLY SUSTAINABLE PLANT PRODUCTION Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
820212	Table Grapes	829802	Management of Greenhouse Gas Emissions from Plant Production
820213	Tree Nuts (excl. Almonds and Macadamias)	829803	Management of Liquid Waste from Plant Production (excl. Water)
820214	Tropical Fruit	829804	Management of Solid Waste from Plant Production
820215	Vegetables	829805	Management of Water Consumption by Plant Production
820299	Horticultural Crops not elsewhere classified	829899	Environmentally Sustainable Plant Production not elsewhere classified
820301	8203 INDUSTRIAL CROPS Cotton	829901	8299 OTHER PLANT PRODUCTION AND PLANT PRIMARY PRODUCTS Forest Product Traceability and Quality Assurance
820302	Essential Oil Crops (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)	829902	Plant Product Traceability and Quality Assurance (excl. Forest Products)
820303	Plant Extract Crops (e.g. Pyrethrum, Jojoba)	829999	Plant Production and Plant Primary Products not elsewhere classified
820304	Sugar		
820305	Tobacco		
820306	Wine Grapes		
820399	Industrial Crops not elsewhere classified		
820401	8204 SUMMER GRAINS AND OILSEEDS Maize		
820402	Rice		
820403	Safflower Seed		
820404	Sorghum		
820405	Soybeans		
820499	Summer Grains and Oilseeds not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 83 ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS

	8301 FISHERIES - AQUACULTURE		8304 PASTURE, BROWSE AND FODDER CROPS
830101	Aquaculture Crustaceans (excl. Rock Lobster and Prawns)	830401	Browse Crops
830102	Aquaculture Fin Fish (excl. Tuna)	830402	Lucerne
830103	Aquaculture Molluscs (excl. Oysters)	830403	Native and Residual Pastures
830104	Aquaculture Oysters	830404	Non-Cereal Crops for Hay
830105	Aquaculture Prawns	830405	Non-Cereal Crops for Silage/Green Feed
830106	Aquaculture Rock Lobster	830406	Sown Pastures (excl. Lucerne)
830107	Aquaculture Tuna	830499	Pasture, Browse and Fodder Crops not elsewhere classified
830199	Fisheries - Aquaculture not elsewhere classified		8305 PRIMARY ANIMAL PRODUCTS
	8302 FISHERIES - WILD CAUGHT	830501	Eggs
830201	Fisheries - Recreational	830502	Honey
830202	Wild Caught Crustaceans (excl. Rock Lobster and Prawns)	830503	Live Animals
830203	Wild Caught Edible Molluscs	830504	Pearls
830204	Wild Caught Fin Fish (excl. Tuna)	830505	Raw Wool
830205	Wild Caught Prawns	830506	Unprocessed or Minimally Processed Fish
830206	Wild Caught Rock Lobster	830507	Unprocessed or Minimally Processed Milk
830207	Wild Caught Tuna	830599	Primary Animal Products not elsewhere classified
830299	Fisheries - Wild Caught not elsewhere classified		8398 ENVIRONMENTALLY SUSTAINABLE ANIMAL PRODUCTION
	8303 LIVESTOCK RAISING	839801	Management of Gaseous Waste from Animal Production (excl. Greenhouse Gases)
830301	Beef Cattle	839802	Management of Greenhouse Gas Emissions from Animal Production
830302	Dairy Cattle	839803	Management of Liquid Waste from Animal Production (excl. Water)
830303	Deer	839804	Management of Solid Waste from Animal Production
830304	Goats	839805	Management of Water Consumption by Animal Production
830305	Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)	839899	Environmentally Sustainable Animal Production not elsewhere classified
830306	Horses		8399 OTHER ANIMAL PRODUCTION AND ANIMAL PRIMARY PRODUCTS
830307	Minor Livestock (e.g. Alpacas, Ostriches, Crocodiles, Farmed Rabbits)	839901	Animal Welfare
830308	Pigs	839902	Fish Product Traceability and Quality Assurance
830309	Poultry	839903	Livestock Product Traceability and Quality Assurance
830310	Sheep - Meat	839999	Animal Production and Animal Primary Products not elsewhere classified
830311	Sheep - Wool		
830399	Livestock Raising not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 84 MINERAL RESOURCES (EXCL. ENERGY RESOURCES)

	8401 MINERAL EXPLORATION		8403 FIRST STAGE TREATMENT OF ORES AND MINERALS
840101	Aluminium Ore Exploration	840301	Alumina Production
840102	Copper Ore Exploration	840302	Beneficiation of Bauxite and Aluminium Ores (excl. Alumina Production)
840103	Diamond Exploration	840303	Beneficiation or Dressing of Iron Ores
840104	Iron Ore Exploration	840304	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)
840105	Precious (Noble) Metal Ore Exploration	840305	Concentrating Processes of Base Metal Ores (excl. Aluminium and Iron Ores)
840106	Stone and Clay Exploration	840306	Production of Unrefined Precious Metal Ingots and Concentrates
840107	Titanium Minerals, Zircon, and Rare Earth Metal Ore (e.g. Monazite) Exploration	840399	First Stage Treatment of Ores and Minerals not elsewhere classified
840108	Zinc Ore Exploration		8498 ENVIRONMENTALLY SUSTAINABLE MINERAL RESOURCE ACTIVITIES
840199	Mineral Exploration not elsewhere classified	849801	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)
	8402 PRIMARY MINING AND EXTRACTION OF MINERAL RESOURCES	849802	Management of Greenhouse Gas Emissions from Mineral Resource Activities
840201	Mining and Extraction of Aluminium Ores	849803	Management of Liquid Waste from Mineral Resource Activities (excl. Water)
840202	Mining and Extraction of Copper Ores	849804	Management of Solid Waste from Mineral Resource Activities
840203	Mining and Extraction of Diamonds	849805	Management of Water Consumption by Mineral Resource Activities
840204	Mining and Extraction of Iron Ores	849899	Environmentally Sustainable Mineral Resource Activities not elsewhere classified
840205	Mining and Extraction of Precious (Noble) Metal Ores		8499 OTHER MINERAL RESOURCES (EXCL. ENERGY RESOURCES)
840206	Mining and Extraction of Stone and Clay	849999	Mineral Resources (excl. Energy Resources) not elsewhere classified
840207	Mining and Extraction of Titanium Minerals, Zircon, and Rare Earth Metal Ores (e.g. Monazite)		
840208	Mining and Extraction of Zinc Ores		
840299	Primary Mining and Extraction of Mineral Resources not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 85 ENERGY

	8501 ENERGY EXPLORATION		8505 RENEWABLE ENERGY
850101	Coal Exploration	850501	Biofuel (Biomass) Energy
850102	Geothermal Exploration	850502	Geothermal Energy
850103	Oil and Gas Exploration	850503	Hydro-Electric Energy
850104	Oil Shale and Tar Sands Exploration	850504	Solar-Photovoltaic Energy
850105	Uranium Exploration	850505	Solar-Thermal Electric Energy
850199	Energy Exploration not elsewhere classified	850506	Solar-Thermal Energy
	8502 MINING AND EXTRACTION OF ENERGY RESOURCES	850507	Tidal Energy
850201	Coal Mining and Extraction	850508	Wave Energy
850202	Geothermal Energy Extraction	850509	Wind Energy
850203	Oil and Gas Extraction	850599	Renewable Energy not elsewhere classified
850204	Oil Shale and Tar Sands Mining and Extraction		8506 ENERGY STORAGE, DISTRIBUTION AND SUPPLY
850205	Uranium Mining and Extraction	850601	Energy Services and Utilities
850299	Mining and Extraction of Energy Resources not elsewhere classified	850602	Energy Storage (excl. Hydrogen)
	8503 PREPARATION AND PRODUCTION OF ENERGY SOURCES	850603	Energy Systems Analysis
850301	Hydrogen Production from Fossil Fuels	850604	Energy Transmission and Distribution (excl. Hydrogen)
850302	Hydrogen Production from Nuclear Energy	850605	Hydrogen Distribution
850303	Hydrogen Production from Renewable Energy	850606	Hydrogen Storage
850304	Oil and Gas Refining	850699	Energy Storage, Distribution and Supply not elsewhere classified
850305	Preparation of Black Coal		8507 ENERGY CONSERVATION AND EFFICIENCY
850306	Preparation of Brown Coal (Lignite)	850701	Commercial Energy Conservation and Efficiency
850307	Preparation of Oil Shale and Tar Sands	850702	Energy Conservation and Efficiency in Transport
850308	Preparation of Uranium	850703	Industrial Energy Conservation and Efficiency
850309	Production of Biofuels (Biomass)	850704	Residential Energy Conservation and Efficiency
850399	Preparation and Production of Energy Sources not elsewhere classified	850799	Energy Conservation and Efficiency not elsewhere classified
	8504 ENERGY TRANSFORMATION		8598 ENVIRONMENTALLY SUSTAINABLE ENERGY ACTIVITIES
850401	Fuel Cells (excl. Solid Oxide)	859801	Management of Gaseous Waste from Energy Activities (excl. Greenhouse Gases)
850402	Hydrogen-based Energy Systems (incl. Internal Hydrogen Combustion Engines)	859802	Management of Greenhouse Gas Emissions from Electricity Generation
850403	Nuclear Energy	859803	Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)
850404	Solid Oxide Fuel Cells	859804	Management of Liquid Waste from Energy Activities (excl. Water)
850405	Transformation of Black Coal into Electricity	859805	Management of Solid Waste from Energy Activities
850406	Transformation of Brown Coal (Lignite) into Electricity	859806	Management of Water Consumption by Energy Activities
850407	Transformation of Coal into Gaseous Fuels	859899	Environmentally Sustainable Energy Activities not elsewhere classified
850408	Transformation of Coal into Liquid Fuels		8599 OTHER ENERGY
850409	Transformation of Gas into Electricity	859999	Energy not elsewhere classified
850410	Transformation of Gas into Liquid Fuels		
850499	Energy Transformation not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 86 MANUFACTURING

	8601 PROCESSED FOOD PRODUCTS AND BEVERAGES (EXCL. DAIRY PRODUCTS)		8606 INDUSTRIAL CHEMICALS AND RELATED PRODUCTS
860101	Bakery Products	860601	Industrial Gases
860102	Beverages (excl. Fruit Juices)	860602	Inorganic Industrial Chemicals
860103	Carcass Meat (incl. Fish and Seafood)	860603	Lubricants
860104	Flour Mill and Cereal Food	860604	Organic Industrial Chemicals (excl. Resins, Rubber and Plastics)
860105	Nutraceuticals and Functional foods	860605	Paints
860106	Oils and Fats (incl. Margarines)	860606	Plastics in Primary Forms
860107	Processed Fish and Seafood Products	860607	Plastic Products (incl. Construction Materials)
860108	Processed Fruit and Vegetable Products (incl. Fruit Juices)	860608	Rubber and Synthetic Resins
860109	Processed Meat Products	860609	Soaps and Cosmetics
860110	Soy Products	860699	Industrial Chemicals and Related Products not elsewhere classified
860111	Sugar and Confectionery Products		8607 AGRICULTURAL CHEMICALS
860199	Processed Food Products and Beverages (excl. Dairy Products) not elsewhere classified	860701	Animal Protection Chemicals
	8602 DAIRY PRODUCTS	860702	Chemical Fertilisers
860201	Butter and Milk-Derived Fats and Oils (excl. Cream)	860703	Crop Protection Chemicals
860202	Casein	860799	Agricultural Chemicals not elsewhere classified
860203	Cheese		8608 HUMAN PHARMACEUTICAL PRODUCTS
860204	Processed Milk and Cream (incl. Powder, Evaporated and Condensed)	860801	Human Biological Preventatives (e.g. Vaccines)
860205	Whey	860802	Human Diagnostics
860299	Dairy Products not elsewhere classified	860803	Human Pharmaceutical Treatments (e.g. Antibiotics)
	8603 PROCESSED NON-FOOD AGRICULTURE PRODUCTS (EXCL. WOOD, PAPER AND FIBRE)	860899	Human Pharmaceutical Products not elsewhere classified
860301	Essential Oils (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)		8609 VETERINARY PHARMACEUTICAL PRODUCTS
860302	Organic Fertilisers	860901	Veterinary Biological Preventatives (e.g. Vaccines)
860303	Plant Extracts (e.g. Pyrethrum, Alkaloids, Jojoba Oil)	860902	Veterinary Diagnostics
860304	Prepared Animal Feed	860903	Veterinary Pharmaceutical Treatments (e.g. Antibiotics)
860399	Processed Non-Food Agricultural Products (excl. Wood, Paper and Fibre) not elsewhere classified	860999	Veterinary Pharmaceutical Products not elsewhere classified
	8604 LEATHER PRODUCTS, FIBRE PROCESSING AND TEXTILES		8610 CERAMICS, GLASS AND INDUSTRIAL MINERAL PRODUCTS
860401	Clothing	861001	Cement Products and Concrete Materials
860402	Cotton Ginning	861002	Ceramics
860403	Natural Fibres, Yarns and Fabrics	861003	Clay Products
860404	Non-Fabric Textiles (e.g. Felt)	861004	Plaster and Plaster Products
860405	Processed Skins, Leather and Leather Products	861005	Structural Glass and Glass Products
860406	Synthetic Fibres, Yarns and Fabrics	861099	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
860407	Wool Scouring and Top Making		8611 BASIC METAL PRODUCTS (INCL. SMELTING, ROLLING, DRAWING AND EXTRUDING)
860499	Leather Products, Fibre Processing and Textiles not elsewhere classified	861101	Basic Aluminium Products
	8605 WOOD, WOOD PRODUCTS AND PAPER	861102	Basic Copper Products
860501	Paper Products (incl. Coated Paper)	861103	Basic Iron and Steel Products
860502	Printing and Publishing Processes	861104	Basic Precious Metal Products
860503	Pulp and Paper	861105	Basic Zinc Products
860504	Reconstituted Timber Products (e.g. Chipboard, Particleboard)	861199	Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding) not elsewhere classified
860505	Wood Sawing and Veneer		8612 FABRICATED METAL PRODUCTS
860599	Wood, Wood Products and Paper not elsewhere classified	861201	Coated Metal and Metal-Coated Products
		861202	Machined Metal Products
		861203	Metal Castings
		861204	Semi-Finished Metal Products
		861205	Sheet Metal Products
		861206	Structural Metal Products
		861299	Fabricated Metal Products not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 86 MANUFACTURING

	8613 TRANSPORT EQUIPMENT		8616 COMPUTER HARDWARE AND ELECTRONIC EQUIPMENT
861301	Aerospace Equipment	861601	Computer and Electronic Office Equipment
861302	Automotive Equipment	861602	Consumer Electronic Equipment (excl. Communication Equipment)
861303	Nautical Equipment (excl. Yachts)	861603	Integrated Circuits and Devices
861304	Rail Equipment	861604	Integrated Systems
861305	Yachts	861605	Processor Modules
861399	Transport Equipment not elsewhere classified	861606	Satellite Navigation Equipment
	8614 MACHINERY AND EQUIPMENT	861699	Computer Hardware and Electronic Equipment not elsewhere classified
861401	Agricultural Machinery and Equipment		8617 COMMUNICATION EQUIPMENT
861402	Appliances and Electrical Machinery and Equipment	861701	Network Infrastructure Equipment
861403	Industrial Machinery and Equipment	861702	Telemetry Equipment
861404	Mining Machinery and Equipment	861703	Voice and Data Equipment
861499	Machinery and Equipment not elsewhere classified	861799	Communication Equipment not elsewhere classified
	8615 INSTRUMENTATION		8698 ENVIRONMENTALLY SUSTAINABLE MANUFACTURING
861501	Industrial Instruments	869801	Management of Gaseous Waste from Manufacturing Activities (excl. Greenhouse Gases)
861502	Medical Instruments	869802	Management of Greenhouse Gas Emissions from Manufacturing Activities
861503	Scientific Instruments	869803	Management of Liquid Waste from Manufacturing Activities (excl. Water)
861599	Instrumentation not elsewhere classified	869804	Management of Solid Waste from Manufacturing Activities
		869805	Management of Water Consumption by Manufacturing Activities
		869899	Environmentally Sustainable Manufacturing not elsewhere classified
			8699 OTHER MANUFACTURING
		869901	Furniture
		869999	Manufacturing not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 87 CONSTRUCTION

	8701 CONSTRUCTION PLANNING		8704 CONSTRUCTION PROCESSES
870101	Civil Construction Planning	870401	Civil Construction Processes
870102	Commercial Construction Planning	870402	Commercial Construction Processes
870103	Regional Planning	870403	Industrial Construction Processes
870104	Residential Construction Planning	870404	Residential Construction Processes
870105	Urban Planning	870499	Construction Processes not elsewhere classified
870199	Construction Planning not elsewhere classified		8705 BUILDING MANAGEMENT AND SERVICES
	8702 CONSTRUCTION DESIGN	870501	Civil Building Management and Services
870201	Civil Construction Design	870502	Commercial Building Management and Services
870202	Commercial Construction Design	870503	Residential Building Management and Services
870203	Industrial Construction Design	870599	Building Management and Services not elsewhere classified
870204	Residential Construction Design		8798 ENVIRONMENTALLY SUSTAINABLE CONSTRUCTION
870299	Construction Design not elsewhere classified	879801	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)
	8703 CONSTRUCTION MATERIALS PERFORMANCE AND PROCESSES	879802	Management of Greenhouse Gas Emissions from Construction Activities
870301	Cement and Concrete Materials	879803	Management of Liquid Waste from Construction Activities (excl. Water)
870302	Metals (e.g. Composites, Coatings, Bonding)	879804	Management of Solid Waste from Construction Activities
870303	Polymeric Materials (e.g. Paints)	879805	Management of Water Consumption by Construction Activities
870304	Stone, Ceramics and Clay Materials	879899	Environmentally Sustainable Construction not elsewhere classified
870305	Timber Materials		8799 OTHER CONSTRUCTION
870399	Construction Materials Performance and Processes not elsewhere classified	879999	Construction not elsewhere classified



## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 88 TRANSPORT

	8801 GROUND TRANSPORT		8803 AEROSPACE TRANSPORT
880101	Rail Freight	880301	Air Freight
880102	Rail Infrastructure and Networks	880302	Air Passenger Transport
880103	Rail Passenger Movements	880303	Air Safety
880104	Rail Safety	880304	Air Terminal Infrastructure and Management
880105	Road Freight	880305	Space Transport
880106	Road Infrastructure and Networks	880399	Aerospace Transport not elsewhere classified
880107	Road Passenger Movements (excl. Public Transport)		8898 ENVIRONMENTALLY SUSTAINABLE TRANSPORT
880108	Road Public Transport	889801	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
		889802	Management of Greenhouse Gas Emissions from Transport Activities
880109	Road Safety	889803	Management of Liquid Waste from Transport Activities (excl. Water)
880199	Ground Transport not elsewhere classified	889804	Management of Noise and Vibration from Transport Activities
	8802 WATER TRANSPORT	889805	Management of Solid Waste from Transport Activities
880201	Coastal Sea Freight Transport	889806	Management of Water Consumption by Transport Activities
880202	International Sea Freight Transport (excl. Live Animal Transport)		
880203	International Sea Transport of Live Animals	889899	Environmentally Sustainable Transport not elsewhere classified
			8899 OTHER TRANSPORT
880204	Passenger Water Transport	889901	Intermodal Materials Handling
880205	Port Infrastructure and Management	889902	Multimodal Transport
880206	Water Safety	889903	Pipeline Transport
880299	Water Transport not elsewhere classified	889904	Postal and Package Services (incl. Courier Services)
		889999	Transport not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 89 INFORMATION AND COMMUNICATION SERVICES

	8901 COMMUNICATION NETWORKS AND SERVICES		8903 INFORMATION SERVICES
890101	Fixed Line Data Networks and Services	890301	Electronic Information Storage and Retrieval Services
890102	Fixed Line Telephone Networks and Services	890302	Library and Archival Services
890103	Mobile Data Networks and Services	890303	News Collection Services
890104	Mobile Telephone Networks and Services	890399	Information Services not elsewhere classified
890105	Satellite Communication Networks and Services		8904 MEDIA SERVICES
890106	Videoconference Services	890401	Animation and Computer Generated Imagery Services
890199	Communication Networks and Services not elsewhere classified	890402	Film and Video Services (excl. Animation and Computer Generated Imagery)
	8902 COMPUTER SOFTWARE AND SERVICES	890403	Internet Broadcasting
890201	Application Software Packages (excl. Computer Games)	890404	Publishing and Print Services (incl. Internet Publishing)
890202	Application Tools and System Utilities	890405	Radio and Television Broadcasting
890203	Computer Gaming Software	890499	Media Services not elsewhere classified
890204	Computer Time Leasing, Sharing and Renting Services		8998 ENVIRONMENTALLY SUSTAINABLE INFORMATION AND COMMUNICATION SERVICES
		899801	Management of Greenhouse Gas Emissions from Information and Communication Services
890205	Information Processing Services (incl. Data Entry and Capture)	899802	Management of Solid Waste from Information and Communication Services
890206	Internet Hosting Services (incl. Application Hosting Services)	899803	Management of Water Consumption by Information and Communication Services
890299	Computer Software and Services not elsewhere classified	899899	Environmentally Sustainable Information and Communication Services not elsewhere classified
			8999 OTHER INFORMATION AND COMMUNICATION SERVICES
		899999	Information and Communication Services not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 90 COMMERCIAL SERVICES AND TOURISM

	9001 FINANCIAL SERVICES		9004 WATER AND WASTE SERVICES
900101	Finance Services	900401	Waste Management Services
900102	Investment Services (excl. Superannuation)	900402	Waste Recycling Services
900103	Superannuation and Insurance Services	900403	Water Recycling Services (incl. Sewage and Greywater)
900199	Financial Services not elsewhere classified	900404	Water Services and Utilities
	9002 PROPERTY, BUSINESS SUPPORT SERVICES AND TRADE	900499	Water and Waste Services not elsewhere classified
900201	Administration and Business Support Services		9098 ENVIRONMENTALLY SUSTAINABLE COMMERCIAL SERVICES AND TOURISM
900202	Professional, Scientific and Technical Services	909801	Management of Gaseous Waste from Commercial Services and Tourism (excl. Greenhouse Gases)
900203	Property Services (incl. Security)	909802	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
900204	Wholesale and Retail Trade	909803	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
900299	Property, Business Support Services and Trade not elsewhere classified	909804	Management of Solid Waste from Commercial Services and Tourism
	9003 TOURISM	909805	Management of Water Consumption by Commercial Services and Tourism
900301	Economic Issues in Tourism	909899	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified
900302	Socio-Cultural Issues in Tourism		9099 OTHER COMMERCIAL SERVICES AND TOURISM
900303	Tourism Infrastructure Development	909901	Hospitality Services
900399	Tourism not elsewhere classified	909902	Recreational Services
		909999	Commercial Services and Tourism not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 91 ECONOMIC FRAMEWORK

	9101 MACROECONOMICS		9103 INTERNATIONAL TRADE
910101	Balance of Payments	910301	International Agreements on Trade
910102	Demography	910302	Trade Assistance and Protection
910103	Economic Growth	910303	Trade Policy
910104	Exchange Rates	910399	International Trade not elsewhere classified
910105	Fiscal Policy		9104 MANAGEMENT AND PRODUCTIVITY
910106	Income Distribution	910401	Industrial Relations
910107	Macro Labour Market Issues	910402	Management
910108	Monetary Policy	910403	Marketing
910109	Savings and Investments	910404	Productivity (excl. Public Sector)
910110	Taxation	910405	Public Sector Productivity
910199	Macroeconomics not elsewhere classified	910406	Technological and Organisational Innovation
	9102 MICROECONOMICS	910499	Management and Productivity not elsewhere classified
910201	Consumption		9105 MEASUREMENT STANDARDS AND CALIBRATION SERVICES
		910501	Agricultural and Environmental Standards
910202	Human Capital Issues	910502	Defence Standards and Calibrations
910203	Industrial Organisations	910503	Manufacturing Standards and Calibrations
910204	Industry Costs and Structure	910504	Service Industries Standards and Calibrations
910205	Industry Policy	910599	Measurement Standards and Calibration Services not elsewhere classified
910206	Market-Based Mechanisms		9199 OTHER ECONOMIC FRAMEWORK
		919901	Carbon and Emissions Trading
910207	Microeconomic Effects of Taxation	919902	Ecological Economics
910208	Micro Labour Market Issues	919999	Economic Framework not elsewhere classified
910209	Preference, Behaviour and Welfare		
910210	Production		
910211	Supply and Demand		
910299	Microeconomics not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 92 HEALTH

	9201 CLINICAL HEALTH (ORGANS, DISEASES AND ABNORMAL CONDITIONS)		9203 INDIGENOUS HEALTH
920101	Blood Disorders	920301	Aboriginal and Torres Strait Islander Health - Determinants of Health
920102	Cancer and Related Disorders	920302	Aboriginal and Torres Strait Islander Health - Health Status and Outcomes
920103	Cardiovascular System and Diseases	920303	Aboriginal and Torres Strait Islander Health - Health System Performance (incl. Effectiveness of Interventions)
920104	Diabetes	920304	Māori Health - Determinants of Health
920105	Digestive System Disorders	920305	Māori Health - Health Status and Outcomes
920106	Endocrine Organs and Diseases (excl. Diabetes)	920306	Māori Health - Health System Performance (incl. Effectiveness of Interventions)
920107	Hearing, Vision, Speech and Their Disorders	920307	Pacific Peoples Health - Determinants of Health
920108	Immune System and Allergy	920308	Pacific Peoples Health - Health Status and Outcomes
920109	Infectious Diseases	920309	Pacific Peoples Health - Health System Performance (incl. Effectiveness of Interventions)
920110	Inherited Diseases (incl. Gene Therapy)	920399	Indigenous Health not elsewhere classified
920111	Nervous System and Disorders	9204 PUBLIC HEALTH (EXCL. SPECIFIC POPULATION HEALTH)	
920112	Neurodegenerative Disorders Related to Ageing	920401	Behaviour and Health
920113	Oro-Dental Disorders	920402	Dental Health
920114	Reproductive System and Disorders	920403	Disability and Functional Capacity
920115	Respiratory System and Diseases (incl. Asthma)	920404	Disease Distribution and Transmission (incl. Surveillance and Response)
920116	Skeletal System and Disorders (incl. Arthritis)	920405	Environmental Health
920117	Skin and Related Disorders	920406	Food Safety
920118	Surgical Methods and Procedures	920407	Health Protection and/or Disaster Response
920119	Urogenital System and Disorders	920408	Health Status (e.g. Indicators of Well-Being)
920120	Zoonoses	920409	Injury Control
920199	Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified	920410	Mental Health
	9202 HEALTH AND SUPPORT SERVICES	920411	Nutrition
920201	Allied Health Therapies (excl. Mental Health Services)	920412	Preventive Medicine
920202	Carer Health	920413	Social Structure and Health
920203	Diagnostic Methods	920414	Substance Abuse
920204	Evaluation of Health Outcomes	920499	Public Health (excl. Specific Population Health) not elsewhere classified
920205	Health Education and Promotion	9205 SPECIFIC POPULATION HEALTH (EXCL. INDIGENOUS HEALTH)	
920206	Health Inequalities	920501	Child Health
920207	Health Policy Economic Outcomes	920502	Health Related to Ageing
920208	Health Policy Evaluation	920503	Health Related to Specific Ethnic Groups
920209	Mental Health Services	920504	Men's Health
920210	Nursing	920505	Occupational Health
920211	Palliative Care	920506	Rural Health
920299	Health and Support Services not elsewhere classified	920507	Women's Health
		920599	Specific Population Health (excl. Indigenous Health) not elsewhere classified
		9299 OTHER HEALTH	
		929999	Health not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 93 EDUCATION AND TRAINING

	9301 LEARNER AND LEARNING		9305 EDUCATION AND TRAINING SYSTEMS
930101	Learner and Learning Achievement	930501	Education and Training Systems Policies and Development
930102	Learner and Learning Processes	930502	Management of Education and Training Systems
930103	Learner Development	930503	Resourcing of Education and Training Systems
930104	Moral and Social Development (incl. Affect)	930599	Education and Training Systems not elsewhere classified
930199	Learner and Learning not elsewhere classified		9399 OTHER EDUCATION AND TRAINING
	9302 TEACHING AND INSTRUCTION	939901	Aboriginal and Torres Strait Islander Education
930201	Pedagogy	939902	Education and Training Theory and Methodology
930202	Teacher and Instructor Development	939903	Equity and Access to Education
930203	Teaching and Instruction Technologies	939904	Gender Aspects of Education
930299	Teaching and Instruction not elsewhere classified	939905	Māori Education
	9303 CURRICULUM	939906	Pacific Peoples Education
930301	Assessment and Evaluation of Curriculum	939907	Special Needs Education
930302	Syllabus and Curriculum Development	939908	Workforce Transition and Employment
930399	Curriculum not elsewhere classified	939999	Education and Training not elsewhere classified
	9304 SCHOOL/INSTITUTION		
930401	Management and Leadership of Schools/Institutions		
930402	School/Institution Community and Environment		
930403	School/Institution Policies and Development		
930499	School/Institution not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 94 LAW, POLITICS AND COMMUNITY SERVICES

	9401 COMMUNITY SERVICE (EXCL. WORK)		9403 INTERNATIONAL RELATIONS
940101	Ability and Disability	940301	Defence and Security Policy
940102	Aboriginal and Torres Strait Islander Development and Welfare	940302	International Aid and Development
940103	Ageing and Older People	940303	International Organisations
940104	Carers' Development and Welfare	940304	International Political Economy (excl. International Trade)
940105	Children's/Youth Services and Childcare	940399	International Relations not elsewhere classified
940106	Citizenship and National Identity		9404 JUSTICE AND THE LAW
940107	Comparative Structure and Development of Community Services	940401	Civil Justice
940108	Distribution of Income and Wealth	940402	Crime Prevention
940109	Employment Services	940403	Criminal Justice
940110	Environmental Services	940404	Law Enforcement
940111	Ethnicity, Multiculturalism and Migrant Development and Welfare	940405	Law Reform
940112	Families and Family Services	940406	Legal Processes
940113	Gender and Sexualities	940407	Legislation, Civil and Criminal Codes
940114	Māori Development and Welfare	940408	Rehabilitation and Correctional Services
940115	Pacific Peoples Development and Welfare	940499	Justice and the Law not elsewhere classified
940116	Social Class and Inequalities		9405 WORK AND INSTITUTIONAL DEVELOPMENT
940117	Structure, Delivery and Financing of Community Services	940501	Employment Patterns and Change
940199	Community Service (excl. Work) not elsewhere classified	940502	Professions and Professionalisation
	9402 GOVERNMENT AND POLITICS	940503	Time Use, Unpaid Work and Volunteering
940201	Civics and Citizenship	940504	Work and Family Responsibilities
940202	Electoral Systems	940505	Workplace Safety
940203	Political Systems	940599	Work and Institutional Development not elsewhere classified
940204	Public Services Policy Advice and Analysis		9499 OTHER LAW, POLITICS AND COMMUNITY SERVICES
940299	Government and Politics not elsewhere classified	949999	Law, Politics and Community Services not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 95 CULTURAL UNDERSTANDING

9501 ARTS AND LEISURE	9504 RELIGION AND ETHICS
950101 Music	950401 Bioethics
950102 Organised Sports	950402 Business Ethics
950103 Recreation	950403 Environmental Ethics
950104 The Creative Arts (incl. Graphics and Craft)	950404 Religion and Society
950105 The Performing Arts (incl. Theatre and Dance)	950405 Religious Structures and Ritual
950199 Arts and Leisure not elsewhere classified	950406 Religious Traditions (excl. Structures and Rituals)
9502 COMMUNICATION	950407 Social Ethics
950201 Communication Across Languages and Culture	950408 Technological Ethics
950202 Languages and Literacy	950409 Workplace and Organisational Ethics
950203 Languages and Literature	950499 Religion and Ethics not elsewhere classified
950204 The Media	9505 UNDERSTANDING PAST SOCIETIES
950205 Visual Communication	950501 Understanding Africa's Past
950299 Communication not elsewhere classified	950502 Understanding Asia's Past
9503 HERITAGE	950503 Understanding Australia's Past
950301 Āhuratanga Māori (Māori Tradition)	950504 Understanding Europe's Past
950302 Conserving Aboriginal and Torres Strait Islander Heritage	950505 Understanding New Zealand's Past
950303 Conserving Collections and Movable Cultural Heritage	950506 Understanding the Past of the Americas
950304 Conserving Intangible Cultural Heritage	950599 Understanding Past Societies not elsewhere classified
950305 Conserving Natural Heritage	9599 OTHER CULTURAL UNDERSTANDING
950306 Conserving Pacific Peoples Heritage	959999 Cultural Understanding not elsewhere classified
950307 Conserving the Historic Environment	
950308 Mātauranga Māori (Māori Knowledge)	
950309 Taonga (Māori Artefacts)	
950310 Tikanga Māori (Māori Customary Practices)	
950311 Wahi Taonga (Māori Places of Significance)	
950399 Heritage not elsewhere classified	



## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 96 ENVIRONMENT

	9601 AIR QUALITY		9604 CONTROL OF PESTS, DISEASES AND EXOTIC SPECIES
960101	Antarctic and Sub-Antarctic Air Quality	960401	Border Biosecurity (incl. Quarantine and Inspection)
960102	Coastal and Estuarine Air Quality	960402	Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
960103	Farmland, Arable Cropland and Permanent Cropland Air Quality	960403	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
960104	Marine Air Quality	960404	Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments
960105	Mining Air Quality	960405	Control of Pests, Diseases and Exotic Species at Regional or Larger Scales
960106	Urban and Industrial Air Quality	960406	Control of Pests, Diseases and Exotic Species in Fresh, Ground and Surface Water Environments
960199	Air Quality not elsewhere classified	960407	Control of Pests, Diseases and Exotic Species in Marine Environments
	9602 ATMOSPHERE AND WEATHER	960408	Control of Pests, Diseases and Exotic Species in Mining Environments
960201	Atmospheric Composition (incl. Greenhouse Gas Inventory)	960409	Control of Pests, Diseases and Exotic Species in Mountain and High Country Environments
960202	Atmospheric Processes and Dynamics	960410	Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments
960203	Weather	960411	Control of Pests, Diseases and Exotic Species in Urban and Industrial Environments
960299	Atmosphere and Weather not elsewhere classified	960412	Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments
	9603 CLIMATE AND CLIMATE CHANGE	960413	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments
960301	Climate Change Adaptation Measures	960414	Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments
960302	Climate Change Mitigation Strategies	960415	Pre-Border Biosecurity
960303	Climate Change Models	960499	Control of Pests, Diseases and Exotic Species not elsewhere classified
960304	Climate Variability (excl. Social Impacts)		9605 ECOSYSTEM ASSESSMENT AND MANAGEMENT
960305	Ecosystem Adaptation to Climate Change	960501	Ecosystem Assessment and Management at Regional or Larger Scales
960306	Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)	960502	Ecosystem Assessment and Management of Antarctic and Sub-Antarctic Environments
960307	Effects of Climate Change and Variability on Australia (excl. Social Impacts)	960503	Ecosystem Assessment and Management of Coastal and Estuarine Environments
960308	Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)	960504	Ecosystem Assessment and Management of Farmland, Arable Cropland and Permanent Cropland Environments
960309	Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)	960505	Ecosystem Assessment and Management of Forest and Woodlands Environments
960310	Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)	960506	Ecosystem Assessment and Management of Fresh, Ground and Surface Water Environments
960311	Social Impacts of Climate Change and Variability	960507	Ecosystem Assessment and Management of Marine Environments
960399	Climate and Climate Change not elsewhere classified	960508	Ecosystem Assessment and Management of Mining Environments
		960509	Ecosystem Assessment and Management of Mountain and High Country Environments
		960510	Ecosystem Assessment and Management of Sparseland, Permanent Grassland and Arid Zone Environments
		960511	Ecosystem Assessment and Management of Urban and Industrial Environments
		960599	Ecosystem Assessment and Management not elsewhere classified

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 96 ENVIRONMENT

	9606 ENVIRONMENTAL AND NATURAL RESOURCE EVALUATION		9609 LAND AND WATER MANAGEMENT
960601	Economic Incentives for Environmental Protection	960901	Antarctic and Sub-Antarctic Land and Water Management
960602	Eco-Verification (excl. Environmental Lifecycle Assessment)	960902	Coastal and Estuarine Land Management
960603	Environmental Lifecycle Assessment	960903	Coastal and Estuarine Water Management
960604	Environmental Management Systems	960904	Farmland, Arable Cropland and Permanent Cropland Land Management
960605	Institutional Arrangements for Environmental Protection	960905	Farmland, Arable Cropland and Permanent Cropland Water Management
960606	Rights to Environmental and Natural Resources (excl. Water Allocation)	960906	Forest and Woodlands Land Management
960607	Rural Land Evaluation	960907	Forest and Woodlands Water Management
960608	Rural Water Evaluation (incl. Water Quality)	960908	Mining Land and Water Management
960609	Sustainability Indicators	960909	Mountain and High Country Land and Water Management
960610	Urban Land Evaluation	960910	Sparseland, Permanent Grassland and Arid Zone Land and Water Management
960611	Urban Water Evaluation (incl. Water Quality)	960911	Urban and Industrial Land Management
960699	Environmental and Natural Resource Evaluation not elsewhere classified	960912	Urban and Industrial Water Management
	9607 ENVIRONMENTAL POLICY, LEGISLATION AND STANDARDS	960913	Water Allocation and Quantification
960701	Coastal and Marine Management Policy	960999	Land and Water Management of environments not elsewhere classified
960702	Consumption Patterns, Population Issues and the Environment		9610 NATURAL HAZARDS
960703	Environmental Education and Awareness	961001	Natural Hazards in Antarctic and Sub-Antarctic Environments
960704	Land Stewardship	961002	Natural Hazards in Coastal and Estuarine Environments
960705	Rural Land Policy	961003	Natural Hazards in Farmland, Arable Cropland and Permanent Cropland Environments
960706	Rural Water Policy	961004	Natural Hazards in Forest and Woodlands Environments
960707	Trade and Environment	961005	Natural Hazards in Fresh, Ground and Surface Water Environments
960708	Urban Land Policy	961006	Natural Hazards in Marine Environments
960709	Urban Water Policy	961007	Natural Hazards in Mining Environments
960799	Environmental Policy, Legislation and Standards not elsewhere classified	961008	Natural Hazards in Mountain and High Country Environments
	9608 FLORA, FAUNA AND BIODIVERSITY	961009	Natural Hazards in Sparseland, Permanent Grassland and Arid Zone Environments
960801	Antarctic and Sub-Antarctic Flora, Fauna and Biodiversity	961010	Natural Hazards in Urban and Industrial Environments
960802	Coastal and Estuarine Flora, Fauna and Biodiversity	961099	Natural Hazards not elsewhere classified
960803	Documentation of Undescribed Flora and Fauna		9611 PHYSICAL AND CHEMICAL CONDITIONS OF WATER
960804	Farmland, Arable Cropland and Permanent Cropland Flora, Fauna and Biodiversity	961101	Physical and Chemical Conditions of Water for Urban and Industrial Use
960805	Flora, Fauna and Biodiversity at Regional or Larger Scales	961102	Physical and Chemical Conditions of Water in Coastal and Estuarine Environments
960806	Forest and Woodlands Flora, Fauna and Biodiversity	961103	Physical and Chemical Conditions of Water in Fresh, Ground and Surface Water Environments (excl. Urban and Industrial Use)
960807	Fresh, Ground and Surface Water Flora, Fauna and Biodiversity	961104	Physical and Chemical Conditions of Water in Marine Environments
960808	Marine Flora, Fauna and Biodiversity	961199	Physical and Chemical Conditions of Water not elsewhere classified
960809	Mining Flora, Fauna and Biodiversity		
960810	Mountain and High Country Flora, Fauna and Biodiversity		
960811	Sparseland, Permanent Grassland and Arid Zone Flora, Fauna and Biodiversity		
960812	Urban and Industrial Flora, Fauna and Biodiversity		
960899	Flora, Fauna and Biodiversity of environments not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

### 96 ENVIRONMENT

	9612 REHABILITATION OF DEGRADED ENVIRONMENTS		9614 SOILS
961201	Rehabilitation of Degraded Coastal and Estuarine Environments	961401	Coastal and Estuarine Soils
961202	Rehabilitation of Degraded Farmland, Arable Cropland and Permanent Cropland Environments	961402	Farmland, Arable Cropland and Permanent Cropland Soils
961203	Rehabilitation of Degraded Forest and Woodlands Environments	961403	Forest and Woodlands Soils
961204	Rehabilitation of Degraded Fresh, Ground and Surface Water Environments	961404	Mining Soils
961205	Rehabilitation of Degraded Mining Environments	961405	Mountain and High Country Soils
961206	Rehabilitation of Degraded Mountain and High Country Environments	961406	Sparseland, Permanent Grassland and Arid Zone Soils
961207	Rehabilitation of Degraded Sparseland, Permanent Grassland and Arid Zone Environments	961407	Urban and Industrial Soils
961208	Rehabilitation of Degraded Urban and Industrial Environments	961499	Soils not elsewhere classified
961299	Rehabilitation of Degraded Environments not elsewhere classified		9699 OTHER ENVIRONMENT
	9613 REMNANT VEGETATION AND PROTECTED CONSERVATION AREAS		
961301	Protected Conservation Areas in Antarctic and Sub-Antarctic Environments	969901	Antarctic and Sub-Antarctic Oceanography
961302	Protected Conservation Areas in Fresh, Ground and Surface Water Environments	969902	Marine Oceanic Processes (excl. climate related)
961303	Protected Conservation Areas in Marine Environments		
961304	Remnant Vegetation and Protected Conservation Areas in Coastal and Estuarine Environments	969999	Environment not elsewhere classified
961305	Remnant Vegetation and Protected Conservation Areas in Farmland, Arable Cropland and Permanent Cropland Environments		
961306	Remnant Vegetation and Protected Conservation Areas in Forest and Woodlands Environments		
961307	Remnant Vegetation and Protected Conservation Areas in Mountain and High Country Environments		
961308	Remnant Vegetation and Protected Conservation Areas at Regional or Larger Scales		
961309	Remnant Vegetation and Protected Conservation Areas in Sparseland, Permanent Grassland and Arid Zone Environments		
961310	Remnant Vegetation and Protected Conservation Areas in Urban and Industrial Environments		
961399	Remnant Vegetation and Protected Conservation Areas not elsewhere classified		

## APPENDIX 2 SEO OBJECTIVES BY CODE NUMBER *continued*

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### 97 EXPANDING KNOWLEDGE

#### 9701 EXPANDING KNOWLEDGE

- 970101 Expanding Knowledge in the Mathematical Sciences
- 970102 Expanding Knowledge in the Physical Sciences
- 970103 Expanding Knowledge in the Chemical Sciences
- 970104 Expanding Knowledge in the Earth Sciences
- 970105 Expanding Knowledge in the Environmental Sciences
- 970106 Expanding Knowledge in the Biological Sciences
- 970107 Expanding Knowledge in the Agricultural and Veterinary Sciences
- 970108 Expanding Knowledge in the Information and Computing Sciences
- 970109 Expanding Knowledge in Engineering
- 970110 Expanding Knowledge in Technology
- 970111 Expanding Knowledge in the Medical and Health Sciences
- 970112 Expanding Knowledge in Built Environment and Design
- 970113 Expanding Knowledge in Education
- 970114 Expanding Knowledge in Economics
- 970115 Expanding Knowledge in Commerce, Management, Tourism and Services
- 970116 Expanding Knowledge through Studies of Human Society
- 970117 Expanding Knowledge in Psychology and Cognitive Sciences
- 970118 Expanding Knowledge in Law and Legal Studies
- 970119 Expanding Knowledge through Studies of the Creative Arts and Writing
- 970120 Expanding Knowledge in Language, Communication and Culture
- 970121 Expanding Knowledge in History and Archaeology
- 970122 Expanding Knowledge in Philosophy and Religious Studies

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210101	Aboriginal and Torres Strait Islander Archaeology	060801	Animal Behaviour
200201	Aboriginal and Torres Strait Islander Cultural Studies	070201	Animal Breeding
130301	Aboriginal and Torres Strait Islander Education	060802	Animal Cell and Molecular Biology
050201	Aboriginal and Torres Strait Islander Environmental Knowledge	060803	Animal Developmental and Reproductive Biology
111701	Aboriginal and Torres Strait Islander Health	070202	Animal Growth and Development
210301	Aboriginal and Torres Strait Islander History	060804	Animal Immunology
080601	Aboriginal and Torres Strait Islander Information and Knowledge Systems	070203	Animal Management
080701	Aboriginal and Torres Strait Islander Knowledge Management	060805	Animal Neurobiology
200319	Aboriginal and Torres Strait Islander Languages	070204	Animal Nutrition
180101	Aboriginal and Torres Strait Islander Law	060806	Animal Physiological Ecology
200501	Aboriginal and Torres Strait Islander Literature	060601	Animal Physiology - Biophysics
190401	Aboriginal and Torres Strait Islander Performing Arts	060602	Animal Physiology - Cell
160501	Aboriginal and Torres Strait Islander Policy	060603	Animal Physiology - Systems
180102	Access to Justice	070299	Animal Production not elsewhere classified
150101	Accounting Theory and Standards	070205	Animal Protection (Pests and Pathogens)
150199	Accounting, Auditing and Accountability not elsewhere classified	070206	Animal Reproduction
020301	Acoustics and Acoustical Devices; Waves	060807	Animal Structure and Function
091301	Acoustics and Noise Control (excl. Architectural Acoustics)	060301	Animal Systematics and Taxonomy
080101	Adaptive Agents and Intelligent Robotics	100501	Antennas and Propagation
180103	Administrative Law	060401	Anthropological Genetics
090101	Aerodynamics (excl. Hypersonic Aerodynamics)	160199	Anthropology not elsewhere classified
090199	Aerospace Engineering not elsewhere classified	160101	Anthropology of Development
090102	Aerospace Materials	080202	Applied Discrete Mathematics
090103	Aerospace Structures	140299	Applied Economics not elsewhere classified
220301	Aesthetics	220199	Applied Ethics not elsewhere classified
111001	Aged Care Nursing	110702	Applied Immunology (incl. Antibody Engineering, Xenotransplantation and T-cell Therapies)
111702	Aged Health Care	200401	Applied Linguistics and Educational Linguistics
079999	Agricultural and Veterinary Sciences not elsewhere classified	010299	Applied Mathematics not elsewhere classified
100101	Agricultural Biotechnology Diagnostics (incl. Biosensors)	160801	Applied Sociology, Program Evaluation and Social Impact Assessment
100199	Agricultural Biotechnology not elsewhere classified	010401	Applied Statistics
140201	Agricultural Economics	010201	Approximation Theory and Asymptotic Methods
099901	Agricultural Engineering	070401	Aquaculture
079901	Agricultural Hydrology (Drainage, Flooding, Irrigation, Quality, etc.)	070402	Aquatic Ecosystem Studies and Stock Assessment
070101	Agricultural Land Management	210102	Archaeological Science
070102	Agricultural Land Planning	210199	Archaeology not elsewhere classified
100102	Agricultural Marine Biotechnology	210103	Archaeology of Asia, Africa and the Americas
100103	Agricultural Molecular Engineering of Nucleic Acids and Proteins	210104	Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)
070103	Agricultural Production Systems Simulation	210105	Archaeology of Europe, the Mediterranean and the Levant
070104	Agricultural Spatial Analysis and Modelling	210106	Archaeology of New Guinea and Pacific Islands (excl. New Zealand)
070105	Agricultural Systems Analysis and Modelling	210107	Archaeology of New Zealand (excl. Māori)
070199	Agriculture, Land and Farm Management not elsewhere classified	120101	Architectural Design
070301	Agro-ecosystem Function and Prediction	120102	Architectural Heritage and Conservation
070501	Agroforestry	120103	Architectural History and Theory
070302	Agronomy	120104	Architectural Science and Technology (incl. Acoustics, Lighting, Structure and Ecologically Sustainable Design)
150701	Air Transportation and Freight Services	120105	Architecture Management
090104	Aircraft Performance and Flight Control Systems	120199	Architecture not elsewhere classified
010101	Algebra and Number Theory	210201	Archival, Repository and Related Studies
010102	Algebraic and Differential Geometry	100601	Arithmetic and Logic Structures
010501	Algebraic Structures in Mathematical Physics	190101	Art Criticism
110701	Allergy	190102	Art History
110301	Anaesthesiology	190103	Art Theory
080201	Analysis of Algorithms and Complexity	190199	Art Theory and Criticism not elsewhere classified
060101	Analytical Biochemistry	080199	Artificial Intelligence and Image Processing not elsewhere classified
030199	Analytical Chemistry not elsewhere classified	080102	Artificial Life
030101	Analytical Spectrometry	160502	Arts and Cultural Policy
		200202	Asian Cultural Studies

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020101	Astrobiology	120299	Building not elsewhere classified
020102	Astronomical and Space Instrumentation	120202	Building Science and Techniques
020199	Astronomical and Space Sciences not elsewhere classified	129999	Built Environment and Design not elsewhere classified
040101	Atmospheric Aerosols	220201	Business and Labour History
040102	Atmospheric Dynamics	150399	Business and Management not elsewhere classified
040103	Atmospheric Radiation	220102	Business Ethics
040199	Atmospheric Sciences not elsewhere classified	150301	Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence)
020201	Atomic and Molecular Physics	150302	Business Information Systems
020299	Atomic, Molecular, Nuclear, Particle and Plasma Physics not elsewhere classified	C	
150102	Auditing and Accountability	091001	CAD/CAM Systems
160601	Australian Government and Politics	010203	Calculus of Variations, Systems Theory and Control Theory
210303	Australian History (excl. Aboriginal and Torres Strait Islander History)	111201	Cancer Cell Biology
200502	Australian Literature (excl. Aboriginal and Torres Strait Islander Literature)	111202	Cancer Diagnosis
110703	Autoimmunity	111203	Cancer Genetics
091302	Automation and Control Engineering	111204	Cancer Therapy (excl. Chemotherapy and Radiation Therapy)
090201	Automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	090401	Carbon Capture Engineering (excl. Sequestration)
090202	Automotive Engineering Materials	050301	Carbon Sequestration Science
090299	Automotive Engineering not elsewhere classified	110201	Cardiology (incl. Cardiovascular Diseases)
090203	Automotive Mechatronics	110299	Cardiorespiratory Medicine and Haematology not elsewhere classified
090204	Automotive Safety Engineering	111703	Care for Disabled
110901	Autonomic Nervous System	090901	Cartography
091303	Autonomous Vehicles	030601	Catalysis and Mechanisms of Reactions
090105	Avionics	090402	Catalytic Process Engineering
B		010103	Category Theory, K Theory, Homological Algebra
060501	Bacteriology	160201	Causes and Prevention of Crime
150299	Banking, Finance and Investment not elsewhere classified	060402	Cell and Nuclear Division
111501	Basic Pharmacology	060103	Cell Development, Proliferation and Death
040301	Basin Analysis	060104	Cell Metabolism
060201	Behavioural Ecology	060105	Cell Neurochemistry
100301	Biocatalysis and Enzyme Technology	111601	Cell Physiology
060199	Biochemistry and Cell Biology not elsewhere classified	110704	Cellular Immunology
100201	Biodiscovery	060106	Cellular Interactions (incl. Adhesion, Matrix, Cell Wall)
220101	Bioethics (human and animal)	110902	Cellular Nervous System
060302	Biogeography and Phylogeography	200304	Central and Eastern European Languages (incl. Russian)
210304	Biography	200509	Central and Eastern European Literature (incl. Russian)
060102	Bioinformatics	110903	Central Nervous System
080301	Bioinformatics Software	091201	Ceramics
030201	Bioinorganic Chemistry	030403	Characterisation of Biological Macromolecules
160102	Biological (Physical) Anthropology	030301	Chemical Characterisation of Materials
060303	Biological Adaptation	090403	Chemical Engineering Design
100202	Biological Control	090499	Chemical Engineering not elsewhere classified
010202	Biological Mathematics	040502	Chemical Oceanography
040501	Biological Oceanography	039999	Chemical Sciences not elsewhere classified
029901	Biological Physics	030602	Chemical Thermodynamics and Energetics
170101	Biological Psychology (Neuropsychology, Psychopharmacology, Physiological Psychology)	030404	Cheminformatics and Quantitative Structure-Activity Relationships
069999	Biological Sciences not elsewhere classified	111205	Chemotherapy
030401	Biologically Active Molecules	200311	Chinese Languages
090301	Biomaterials	110401	Chiropractic
090302	Biomechanical Engineering	220401	Christian Studies (incl. Biblical Studies and Church History)
110601	Biomechanics	190201	Cinema Studies
090399	Biomedical Engineering not elsewhere classified	090601	Circuits and Systems
090303	Biomedical Instrumentation	160602	Citizenship
030402	Biomolecular Modelling and Design	090599	Civil Engineering not elsewhere classified
100302	Bioprocessing, Bioproduction and Bioproducts	090501	Civil Geotechnical Engineering
100203	Bioremediation	180104	Civil Law and Procedure
010402	Biostatistics	020501	Classical and Physical Optics
200503	British and Irish Literature	210306	Classical Greek and Roman History
210305	British History	020399	Classical Physics not elsewhere classified
100502	Broadband and Modem Technology	040104	Climate Change Processes

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111101	Clinical and Sports Nutrition	180108	Constitutional Law
110302	Clinical Chemistry (diagnostics)	090502	Construction Engineering
110303	Clinical Microbiology	090503	Construction Materials
111002	Clinical Nursing: Primary (Preventative)	150501	Consumer-Oriented Product or Service Development
111003	Clinical Nursing: Secondary (Acute Care)	200203	Consumption and Everyday Life
111004	Clinical Nursing: Tertiary (Rehabilitative)	130101	Continuing and Community Education
111502	Clinical Pharmacology and Therapeutics	090602	Control Systems, Robotics and Automation
111503	Clinical Pharmacy and Pharmacy Practice	150303	Corporate Governance and Stakeholder Engagement
110399	Clinical Sciences not elsewhere classified	180109	Corporations and Associations Law
160701	Clinical Social Work Practice	160202	Correctional Theory, Offender Treatment and Rehabilitation
040106	Cloud Physics	020103	Cosmology and Extragalactic Astronomy
080401	Coding and Information Theory	160702	Counselling, Welfare and Community Services
170299	Cognitive Sciences not elsewhere classified	160203	Courts and Sentencing
030603	Colloid and Surface Chemistry	190501	Crafts
010104	Combinatorics and Discrete Mathematics (excl. Physical Combinatorics)	130201	Creative Arts, Media and Communication Curriculum and Pedagogy
159999	Commerce, Management, Tourism and Services not elsewhere classified	190402	Creative Writing (incl. Playwriting)
180105	Commercial and Contract Law	160504	Crime Policy
150499	Commercial Services not elsewhere classified	180110	Criminal Law and Procedure
200199	Communication and Media Studies not elsewhere classified	160204	Criminological Theories
200101	Communication Studies	160299	Criminology not elsewhere classified
200102	Communication Technology and Digital Media Studies	070303	Crop and Pasture Biochemistry and Physiology
160503	Communications and Media Policy	070304	Crop and Pasture Biomass and Bioproducts
100599	Communications Technologies not elsewhere classified	070305	Crop and Pasture Improvement (Selection and Breeding)
111704	Community Child Health	070306	Crop and Pasture Nutrition
060202	Community Ecology (excl. Invasive Species Ecology)	070307	Crop and Pasture Post Harvest Technologies (incl. Transportation and Storage)
120501	Community Planning	070399	Crop and Pasture Production not elsewhere classified
130302	Comparative and Cross-Cultural Education	070308	Crop and Pasture Protection (Pests, Diseases and Weeds)
149901	Comparative Economic Systems	140301	Cross-Sectional Analysis
160603	Comparative Government and Politics	200299	Cultural Studies not elsewhere classified
200322	Comparative Language Studies	200204	Cultural Theory
180106	Comparative Law	200205	Culture, Gender, Sexuality
200524	Comparative Literature Studies	210299	Curatorial and Related Studies not elsewhere classified
060604	Comparative Physiology	130299	Curriculum and Pedagogy not elsewhere classified
220402	Comparative Religious Studies	130202	Curriculum and Pedagogy Theory and Development
110499	Complementary and Alternative Medicine not elsewhere classified	D	
029902	Complex Physical Systems	190403	Dance
091202	Composite and Hybrid Materials	100504	Data Communications
091203	Compound Semiconductors	080402	Data Encryption
080299	Computation Theory and Mathematics not elsewhere classified	080499	Data Format not elsewhere classified
091501	Computational Fluid Dynamics	080403	Data Structures
091502	Computational Heat Transfer	080604	Database Management
200402	Computational Linguistics	170202	Decision Making
080203	Computational Logic and Formal Languages	080605	Decision Support and Group Support Systems
100503	Computer Communications Networks	220302	Decision Theory
190202	Computer Gaming and Animation	160604	Defence Studies
080103	Computer Graphics	020601	Degenerate Quantum Gases and Atom Optics
100699	Computer Hardware not elsewhere classified	160399	Demography not elsewhere classified
170201	Computer Perception, Memory and Attention	110501	Dental Materials and Equipment
080399	Computer Software not elsewhere classified	110502	Dental Therapeutics, Pharmacology and Toxicology
080302	Computer System Architecture	110599	Dentistry not elsewhere classified
080303	Computer System Security	110304	Dermatology
080104	Computer Vision	120301	Design History and Theory
080602	Computer-Human Interaction	120302	Design Innovation
080603	Conceptual Modelling	120303	Design Management and Studio and Professional Practice
080304	Concurrent Programming	120399	Design Practice and Management not elsewhere classified
020401	Condensed Matter Characterisation Technique Development	060403	Developmental Genetics (incl. Sex Determination)
020402	Condensed Matter Imaging	170102	Developmental Psychology and Ageing
020403	Condensed Matter Modelling and Density Functional Theory	111102	Dietetics and Nutrigenomics
020499	Condensed Matter Physics not elsewhere classified	120304	Digital and Interaction Design
180107	Conflict of Laws (Private International Law)	200403	Discourse and Pragmatics

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0805014	Distributed and Grid Systems	180111	Environmental and Natural Resources Law
080599	Distributed Computing not elsewhere classified	111705	Environmental and Occupational Health and Safety
190404	Drama, Theatre and Performance Studies	100204	Environmental Biotechnology Diagnostics (incl. Biosensors)
010204	Dynamical Systems in Applications	100299	Environmental Biotechnology not elsewhere classified
091304	Dynamics, Vibration and Vibration Control	039901	Environmental Chemistry (incl. Atmospheric Chemistry)
	E	050203	Environmental Education and Extension
130102	Early Childhood Education (excl. Māori)	090701	Environmental Engineering Design
200301	Early English Languages	090702	Environmental Engineering Modelling
049999	Earth Sciences not elsewhere classified	090799	Environmental Engineering not elsewhere classified
090504	Earthquake Engineering	050204	Environmental Impact Assessment
050199	Ecological Applications not elsewhere classified	050205	Environmental Management
149902	Ecological Economics	100205	Environmental Marine Biotechnology
050101	Ecological Impacts of Climate Change	100206	Environmental Molecular Engineering of Nucleic Acids and Proteins
		050206	Environmental Monitoring
060203	Ecological Physiology	100701	Environmental Nanotechnology
060299	Ecology not elsewhere classified	220303	Environmental Philosophy
140302	Econometric and Statistical Methods	160605	Environmental Politics
140399	Econometrics not elsewhere classified	050207	Environmental Rehabilitation (excl. Bioremediation)
140202	Economic Development and Growth	050299	Environmental Science and Management not elsewhere classified
160505	Economic Development Policy		
		059999	Environmental Sciences not elsewhere classified
160401	Economic Geography	160802	Environmental Sociology
140203	Economic History	090703	Environmental Technologies
140303	Economic Models and Forecasting	060107	Enzymes
140199	Economic Theory not elsewhere classified	111706	Epidemiology
149999	Economics not elsewhere classified	060404	Epigenetics (incl. Genome Methylation and Epigenomics)
140204	Economics of Education	220304	Epistemology
130203	Economics, Business and Management Curriculum and Pedagogy		
050102	Ecosystem Function	180112	Equity and Trusts Law
130303	Education Assessment and Evaluation	220305	Ethical Theory
139999	Education not elsewhere classified	220103	Ethical Use of New Technology (e.g. Nanotechnology, Biotechnology)
		130307	Ethnic Education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)
160506	Education Policy		
		060304	Ethology and Sociobiology
130199	Education Systems not elsewhere classified	210307	European History (excl. British, Classical Greek and Roman)
130304	Educational Administration, Management and Leadership	060305	Evolution of Developmental Systems
130305	Educational Counselling	060399	Evolutionary Biology not elsewhere classified
170103	Educational Psychology	060306	Evolutionary Impacts of Climate Change
130306	Educational Technology and Computing	110602	Exercise Physiology
040401	Electrical and Electromagnetic Methods in Geophysics	140206	Experimental Economics
090699	Electrical and Electronic Engineering not elsewhere classified		
		080105	Expert Systems
030102	Electroanalytical Chemistry	040201	Exploration Geochemistry
030604	Electrochemistry	040302	Extraterrestrial Geology
091401	Electrometallurgy		F
020404	Electronic and Magnetic Properties of Condensed Matter; Superconductivity		
		160301	Family and Household Studies
190203	Electronic Media Art	111707	Family Care
020302	Electrostatics and Electrodynamics	180113	Family Law
091204	Elemental Semiconductors	070106	Farm Management, Rural Management and Agribusiness
110305	Emergency Medicine	070107	Farming Systems Research
110306	Endocrinology	030202	f-Block Chemistry
110503	Endodontics	220306	Feminist Theory
091305	Energy Generation, Conversion and Storage Engineering	100303	Fermentation
120401	Engineering Design Empirical Studies	079902	Fertilisers and Agrochemicals (incl. Application)
120402	Engineering Design Knowledge	160302	Fertility
120403	Engineering Design Methods	020602	Field Theory and String Theory
120499	Engineering Design not elsewhere classified	190204	Film and Television
099902	Engineering Instrumentation	190299	Film, Television and Digital Media not elsewhere classified
099999	Engineering not elsewhere classified	150201	Finance
091503	Engineering Practice	150103	Financial Accounting
120404	Engineering Systems Design	150202	Financial Econometrics
130204	English and Literacy Curriculum and Pedagogy (excl. LOTE, ESL and TESOL)		
		140207	Financial Economics
200303	English as a Second Language	150203	Financial Institutions (incl. Banking)
200302	English Language	010205	Financial Mathematics
150304	Entrepreneurship	190502	Fine Arts (incl. Sculpture and Painting)
140205	Environment and Resource Economics	070404	Fish Pests and Diseases
160507	Environment Policy		



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070405	Fish Physiology and Genetics	069902	Global Change Biology
070403	Fisheries Management	080606	Global Information Systems
070499	Fisheries Sciences not elsewhere classified	200206	Globalisation and Culture
091002	Flexible Manufacturing Systems	160606	Government and Politics of Asia and the Pacific
090106	Flight Dynamics	040405	Gravimetrics
030103	Flow Analysis	010105	Group Theory and Generalisations
020303	Fluid Physics		H
091504	Fluidisation and Fluid Mechanics	111206	Haematological Tumours
111401	Foetal Development and Medicine	110202	Haematology
150401	Food and Hospitality Services	111708	Health and Community Services
090801	Food Chemistry and Molecular Gastronomy (excl. Wine)	111709	Health Care Administration
090802	Food Engineering	111710	Health Counselling
090803	Food Nutritional Balance	140208	Health Economics
090804	Food Packaging, Preservation and Safety	080702	Health Informatics
090805	Food Processing	111711	Health Information Systems (incl. Surveillance)
090899	Food Sciences not elsewhere classified	160508	Health Policy
069901	Forensic Biology	111712	Health Promotion
039902	Forensic Chemistry	170106	Health, Clinical and Counselling Psychology
170104	Forensic Psychology	091505	Heat and Mass Transfer Operations
010403	Forensic Statistics	210202	Heritage and Cultural Conservation
070502	Forestry Biomass and Bioproducts	220307	Hermeneutic and Critical Theory
070503	Forestry Fire Management	149903	Heterodox Economics
070504	Forestry Management and Environment	020106	High Energy Astrophysics; Cosmic Rays
070505	Forestry Pests, Health and Diseases	130103	Higher Education
070506	Forestry Product Quality Assessment	210108	Historical Archaeology (incl. Industrial Archaeology)
070599	Forestry Sciences not elsewhere classified	210399	Historical Studies not elsewhere classified
030501	Free Radical Chemistry	219999	History and Archaeology not elsewhere classified
200306	French Language	220202	History and Philosophy of Education
060204	Freshwater Ecology	220203	History and Philosophy of Engineering and Technology
091205	Functional Materials	220204	History and Philosophy of Law and Justice
	G	220205	History and Philosophy of Medicine
020104	Galactic Astronomy	220206	History and Philosophy of Science (incl. Non-historical Philosophy of Science)
		220299	History and Philosophy of Specific Fields not elsewhere classified
110307	Gastroenterology and Hepatology	220207	History and Philosophy of the Humanities
		220208	History and Philosophy of the Social Sciences
170105	Gender Psychology	120502	History and Theory of the Built Environment (excl. Architecture)
169901	Gender Specific Studies		
130308	Gender, Sexuality and Education	140101	History of Economic Thought
		220209	History of Ideas
100401	Gene and Molecular Therapy		
060405	Gene Expression (incl. Microarray and other genome-wide approaches)	220210	History of Philosophy
020105	General Relativity and Gravitational Waves	070601	Horticultural Crop Growth and Development
060406	Genetic Immunology	070602	Horticultural Crop Improvement (Selection and Breeding)
100104	Genetically Modified Animals	070603	Horticultural Crop Protection (Pests, Diseases and Weeds)
100105	Genetically Modified Field Crops and Pasture	070699	Horticultural Production not elsewhere classified
100106	Genetically Modified Horticulture Plants	150402	Hospitality Management
100107	Genetically Modified Trees	060307	Host-Parasite Interactions
060499	Genetics not elsewhere classified	120503	Housing Markets, Development, Management
060407	Genome Structure and Regulation	111602	Human Biophysics
060408	Genomics	160499	Human Geography not elsewhere classified
040299	Geochemistry not elsewhere classified	080703	Human Information Behaviour
040303	Geochronology	110699	Human Movement and Sports Science not elsewhere classified
090902	Geodesy		
		150305	Human Resources Management
040402	Geodynamics	220104	Human Rights and Justice Issues
040399	Geology not elsewhere classified	180114	Human Rights Law
090999	Geomatic Engineering not elsewhere classified	070207	Humane Animal Treatment
091402	Geomechanics and Resources Geotechnical Engineering	130205	Humanities and Social Sciences Curriculum and Pedagogy (excl. Economics, Business and Management)
040601	Geomorphology and Regolith and Landscape Evolution		
		110705	Humoural Immunology and Immunochemistry
040403	Geophysical Fluid Dynamics	090205	Hybrid Vehicles and Powertrains
040499	Geophysics not elsewhere classified	040603	Hydrogeology
090903	Geospatial Information Systems	091403	Hydrometallurgy
040404	Geothermics and Radiometrics	090107	Hypersonic Propulsion and Hypersonic Aerodynamics
110308	Geriatrics and Gerontology		I
200307	German Language		
040602	Glaciology	200308	Iberian Languages
091206	Glass	040304	Igneous and Metamorphic Petrology

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080106	Image Processing	190399	Journalism and Professional Writing not elsewhere classified
110706	Immunogenetics (incl. Genetic Immunology)	190301	Journalism Studies
030104	Immunological and Bioassay Methods		K
110799	Immunology not elsewhere classified	170108	Kaupapa Māori Psychology
150601	Impacts of Tourism	170203	Knowledge Representation and Machine Learning
200315	Indian Languages	130206	Kōhanga Reo (Māori Language Curriculum and Pedagogy)
200520	Indian Literature	200316	Korean Language
200313	Indonesian Languages	200521	Korean Literature
200516	Indonesian Literature	130104	Kura Kaupapa Māori (Māori Primary Education)
170107	Industrial and Organisational Psychology		L
100304	Industrial Biotechnology Diagnostics (incl. Biosensors)	200404	Laboratory Phonetics and Speech Science
100399	Industrial Biotechnology not elsewhere classified	140211	Labour Economics
039903	Industrial Chemistry	180118	Labour Law
120305	Industrial Design	050302	Land Capability and Soil Degradation
090603	Industrial Electronics	120504	Land Use and Environmental Planning
100305	Industrial Microbiology (incl. Biofeedstocks)	120107	Landscape Architecture
100306	Industrial Molecular Engineering of Nucleic Acids and Proteins	050104	Landscape Ecology
150306	Industrial Relations	200405	Language in Culture and Society (Sociolinguistics)
140209	Industry Economics and Industrial Organisation	200406	Language in Time and Space (incl. Historical Linguistics, Dialectology)
		200399	Language Studies not elsewhere classified
060502	Infectious Agents	209999	Language, Communication and Culture not elsewhere classified
110309	Infectious Diseases	020502	Lasers and Quantum Electronics
089999	Information and Computing Sciences not elsewhere classified		
080607	Information Engineering and Theory	210308	Latin American History
080704	Information Retrieval and Web Search	200305	Latin and Classical Greek Languages
080608	Information Systems Development Methodologies	200510	Latin and Classical Greek Literature
080609	Information Systems Management	189999	Law and Legal Studies not elsewhere classified
080699	Information Systems not elsewhere classified	180119	Law and Society
080610	Information Systems Organisation	180199	Law not elsewhere classified
080611	Information Systems Theory	130309	Learning Sciences
080705	Informetrics	220105	Legal Ethics
090505	Infrastructure Engineering and Asset Management	180120	Legal Institutions (incl. Courts and Justice Systems)
110707	Innate Immunity	180121	Legal Practice, Lawyering and the Legal Profession
150307	Innovation and Technology Management	180122	Legal Theory, Jurisprudence and Legal Interpretation
030299	Inorganic Chemistry not elsewhere classified	190503	Lens-based Practice
040202	Inorganic Geochemistry	200407	Lexicography
030203	Inorganic Green Chemistry	080706	Librarianship
100602	Input, Output and Data Devices	080799	Library and Information Studies not elsewhere classified
030105	Instrumental Methods (excl. Immunological and Bioassay Methods)	010106	Lie Groups, Harmonic and Fourier Analysis
150204	Insurance Studies	060308	Life Histories
010502	Integrable Systems (Classical and Quantum)	160103	Linguistic Anthropology
180115	Intellectual Property Law	170204	Linguistic Processes (incl. Speech Production and Comprehension)
		200408	Linguistic Structures (incl. Grammar, Phonology, Lexicon, Semantics)
110310	Intensive Care	200499	Linguistics not elsewhere classified
190205	Interactive Media	200599	Literary Studies not elsewhere classified
091599	Interdisciplinary Engineering not elsewhere classified	200525	Literary Theory
120106	Interior Design	200517	Literature in Chinese
150104	International Accounting	200511	Literature in French
200103	International and Development Communication	200512	Literature in German
150308	International Business	200513	Literature in Italian
140210	International Economics and International Finance	200518	Literature in Japanese
180116	International Law (excl. International Trade Law)	200514	Literature in Spanish and Portuguese
160607	International Relations	180123	Litigation, Adjudication and Dispute Resolution
180117	International Trade Law	100108	Livestock cloning
080612	Interorganisational Information Systems and Web Services	220308	Logic
050103	Invasive Species Ecology	100603	Logic Design
060808	Invertebrate Biology	150309	Logistics and Supply Chain Management
150205	Investment and Risk Management	130207	LOTE, ESL and TESOL Curriculum and Pedagogy (excl. Māori)
220403	Islamic Studies		M
		091003	Machine Tools
040203	Isotope Geochemistry	091004	Machining
200309	Italian Language	140102	Macroeconomic Theory
	J	140212	Macroeconomics (incl. Monetary and Fiscal Theory)
200312	Japanese Language		
220404	Jewish Studies		

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030399	Macromolecular and Materials Chemistry not elsewhere classified	110802	Medical Infection Agents (incl. Prions)
040406	Magnetism and Palaeomagnetism	110899	Medical Microbiology not elsewhere classified
030204	Main Group Metal Chemistry	100403	Medical Molecular Engineering of Nucleic Acids and Proteins
150105	Management Accounting	110803	Medical Parasitology
091099	Manufacturing Engineering not elsewhere classified	029903	Medical Physics
091005	Manufacturing Management	111699	Medical Physiology not elsewhere classified
091006	Manufacturing Processes and Technologies (excl. Textiles)	110804	Medical Virology
091007	Manufacturing Robotics and Mechatronics (excl. Automotive Mechatronics)	030499	Medicinal and Biomolecular Chemistry not elsewhere classified
091008	Manufacturing Safety and Quality	130209	Medicine, Nursing and Health Curriculum and Pedagogy
210109	Māori Archaeology	090404	Membrane and Separation Technologies
200207	Māori Cultural Studies	100604	Memory Structures
130310	Māori Education (excl. Early Childhood and Primary Education)	111714	Mental Health
050208	Māori Environmental Knowledge	111005	Mental Health Nursing
111713	Māori Health	020107	Mesospheric, Ionospheric and Magnetospheric Physics
210309	Māori History	110107	Metabolic Medicine
080613	Māori Information and Knowledge Systems	091207	Metals and Alloy Materials
180299	Māori Law not elsewhere classified	220309	Metaphysics
200504	Māori Literature	040107	Meteorology
190405	Māori Performing Arts	060504	Microbial Ecology
060205	Marine and Estuarine Ecology (incl. Marine Ichthyology)	060503	Microbial Genetics
091101	Marine Engineering	060599	Microbiology not elsewhere classified
040305	Marine Geoscience	140104	Microeconomic Theory
210110	Maritime Archaeology	091306	Microelectromechanical Systems (MEMS)
091199	Maritime Engineering not elsewhere classified	090604	Microelectronics and Integrated Circuits
150502	Marketing Communications	091009	Microtechnology
150503	Marketing Management (incl. Strategy and Customer Relations)	100505	Microwave and Millimetrewave Theory and Technology
150504	Marketing Measurement	210310	Middle Eastern and African History
150599	Marketing not elsewhere classified	200318	Middle Eastern Languages
150505	Marketing Research Methodology	200523	Middle Eastern Literature
150506	Marketing Theory	111006	Midwifery
080404	Markup Languages	200208	Migrant Cultural Studies
210203	Materials Conservation	160303	Migration
091299	Materials Engineering not elsewhere classified	091404	Mineral Processing/Beneficiation
010503	Mathematical Aspects of Classical Mechanics, Quantum Mechanics and Quantum Information Theory	040306	Mineralogy and Crystallography
010504	Mathematical Aspects of General Relativity	091405	Mining Engineering
010505	Mathematical Aspects of Quantum and Conformal Field Theory, Quantum Gravity and String Theory	080502	Mobile Technologies
140103	Mathematical Economics	120405	Models of Engineering Design
010107	Mathematical Logic, Set Theory, Lattices and Universal Algebra	100702	Molecular and Organic Electronics
010599	Mathematical Physics not elsewhere classified	060409	Molecular Evolution
019999	Mathematical Sciences not elsewhere classified	030405	Molecular Medicine
080204	Mathematical Software	111207	Molecular Targets
130208	Mathematics and Numeracy Curriculum and Pedagogy	160304	Mortality
091399	Mechanical Engineering not elsewhere classified	110603	Motor Control
200104	Media Studies	200209	Multicultural, Intercultural and Cross-cultural Studies
119999	Medical and Health Sciences not elsewhere classified	080305	Multimedia Programming
110801	Medical Bacteriology	210204	Museum Studies
110199	Medical Biochemistry and Metabolomics not elsewhere classified	190406	Music Composition
110101	Medical Biochemistry: Amino Acids and Metabolites	190407	Music Performance
110102	Medical Biochemistry: Carbohydrates	190408	Music Therapy
110103	Medical Biochemistry: Inorganic Elements and Compounds	190409	Musicology and Ethnomusicology
110104	Medical Biochemistry: Lipids	060505	Mycology
110105	Medical Biochemistry: Nucleic Acids	N	N
110106	Medical Biochemistry: Proteins and Peptides (incl. Medical Proteomics)	100703	Nanobiotechnology
100402	Medical Biotechnology Diagnostics (incl. Biosensors)	030302	Nanochemistry and Supramolecular Chemistry
100499	Medical Biotechnology not elsewhere classified	100704	Nanoelectromechanical Systems
090304	Medical Devices	100705	Nanoelectronics
220106	Medical Ethics	100706	Nanofabrication, Growth and Self Assembly
110311	Medical Genetics (excl. Cancer Genetics)	100707	Nanomanufacturing

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100708	Nanomaterials	110505	Oral Medicine and Pathology
100709	Nanomedicine	010109	Ordinary Differential Equations, Difference Equations and Dynamical Systems
100710	Nanometrology	040307	Ore Deposit Petrology
100711	Nanophotonics	030503	Organic Chemical Synthesis
100712	Nanoscale Characterisation	030599	Organic Chemistry not elsewhere classified
100799	Nanotechnology not elsewhere classified	040204	Organic Geochemistry
100713	Nanotoxicology, Health and Safety	030504	Organic Green Chemistry
040604	Natural Hazards	091208	Organic Semiconductors
080107	Natural Language Processing	150310	Organisation and Management Theory
030502	Natural Products Chemistry	080707	Organisation of Information and Knowledge Resources
050209	Natural Resource Management	150311	Organisational Behaviour
110402	Naturopathy	150312	Organisational Planning and Management
091102	Naval Architecture	200105	Organisational, Interpersonal and Intercultural Communication
090904	Navigation and Position Fixing	039904	Organometallic Chemistry
110312	Nephrology and Urology	110506	Orthodontics and Dentofacial Orthopaedics
080503	Networking and Communications	110314	Orthopaedics
080108	Neural, Evolutionary and Fuzzy Computation	200317	Other Asian Languages (excl. South-East Asian)
170205	Neurocognitive Patterns and Neural Networks	200522	Other Asian Literature (excl. South-East Asian)
060410	Neurogenetics	200310	Other European Languages
110904	Neurology and Neuromuscular Diseases	200515	Other European Literature
110999	Neurosciences not elsewhere classified	200508	Other Literatures in English
160608	New Zealand Government and Politics	110315	Otorhinolaryngology
210311	New Zealand History	P	
200505	New Zealand Literature (excl. Māori Literature)	200210	Pacific Cultural Studies
180201	Nga Tikanga Māori (Māori Customary Law)	210313	Pacific History (excl. New Zealand and Māori)
090405	Non-automotive Combustion and Fuel Engineering (incl. Alternative/Renewable Fuels)	200320	Pacific Languages
020503	Nonlinear Optics and Spectroscopy	200507	Pacific Literature
030205	Non-metal Chemistry	130311	Pacific Peoples Education
210312	North American History	050210	Pacific Peoples Environmental Knowledge
200506	North American Literature	111715	Pacific Peoples Health
091506	Nuclear Engineering (incl. Fuel Enrichment and Waste Processing and Storage)	080614	Pacific Peoples Information and Knowledge Systems
110313	Nuclear Medicine	190410	Pacific Peoples Performing Arts
020202	Nuclear Physics	091010	Packaging, Storage and Transportation (excl. Food and Agricultural Products)
010301	Numerical Analysis	111403	Paediatrics
010399	Numerical and Computational Mathematics not elsewhere classified	111499	Paediatrics and Reproductive Medicine not elsewhere classified
080205	Numerical Computation	110507	Paedodontics
091307	Numerical Modelling and Mechanical Characterisation	040605	Palaeoclimatology
010302	Numerical Solution of Differential and Integral Equations	060206	Palaeoecology
111099	Nursing not elsewhere classified	040308	Palaeontology (incl. Palynology)
111199	Nutrition and Dietetics not elsewhere classified	140304	Panel Data Analysis
111103	Nutritional Physiology	010110	Partial Differential Equations
O		020203	Particle Physics
111402	Obstetrics and Gynaecology	110316	Pathology (excl. Oral Pathology)
091103	Ocean Engineering	080109	Pattern Recognition and Data Mining
040599	Oceanography not elsewhere classified	190504	Performance and Installation Art
070604	Oenology and Viticulture	100605	Performance Evaluation; Testing and Simulation of Reliability
111299	Oncology and Carcinogenesis not elsewhere classified	190499	Performing Arts and Creative Writing not elsewhere classified
080306	Open Software	110508	Periodontics
080307	Operating Systems	110905	Peripheral Nervous System
010206	Operations Research	170109	Personality, Abilities and Assessment
010108	Operator Algebras and Functional Analysis	040309	Petroleum and Coal Geology
111301	Ophthalmology	091406	Petroleum and Reservoir Engineering
111399	Ophthalmology and Optometry not elsewhere classified	111504	Pharmaceutical Sciences
100506	Optical Fibre Communications	111505	Pharmacogenomics
100507	Optical Networks and Systems	111599	Pharmacology and Pharmaceutical Sciences not elsewhere classified
020599	Optical Physics not elsewhere classified	220310	Phenomenology
030303	Optical Properties of Materials	220311	Philosophical Psychology (incl. Moral Psychology and Philosophy of Action)
111302	Optical Technology	229999	Philosophy and Religious Studies not elsewhere classified
010303	Optimisation	220399	Philosophy not elsewhere classified
110504	Oral and Maxillofacial Surgery	220312	Philosophy of Cognition

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220313	Philosophy of Language	030406	Proteins and Peptides
220314	Philosophy of Mind (excl. Cognition)	060109	Proteomics and Intermolecular Interactions (excl. Medical Proteomics)
220315	Philosophy of Religion	110319	Psychiatry (incl. Psychotherapy)
220316	Philosophy of Specific Cultures (incl. Comparative Philosophy)	220318	Psychoanalytic Philosophy
090605	Photodetectors, Optical Sensors and Solar Cells	170110	Psychological Methodology, Design and Analysis
090905	Photogrammetry and Remote Sensing	179999	Psychology and Cognitive Sciences not elsewhere classified
090606	Photonics and Electro-Optical Engineering (excl. Communications)	170199	Psychology not elsewhere classified
020504	Photonics, Optoelectronics and Optical Communications	170111	Psychology of Religion
060701	Phycology (incl. Marine Grasses)	160509	Public Administration
060309	Phylogeny and Comparative Analysis	140213	Public Economics- Public Choice
030699	Physical Chemistry not elsewhere classified	140214	Public Economics- Publicly Provided Goods
030304	Physical Chemistry of Materials	140215	Public Economics- Taxation and Revenue
130210	Physical Education and Development Curriculum and Pedagogy	111799	Public Health and Health Services not elsewhere classified
040699	Physical Geography and Environmental Geoscience not elsewhere classified	111104	Public Nutrition Intervention
040503	Physical Oceanography	160510	Public Policy
030505	Physical Organic Chemistry	010199	Pure Mathematics not elsewhere classified
029999	Physical Sciences not elsewhere classified	091407	Pyrometallurgy
060699	Physiology not elsewhere classified		Q
110317	Physiotherapy	030106	Quality Assurance, Chemometrics, Traceability and Metrological Chemistry
020108	Planetary Science (excl. Extraterrestrial Geology)	150313	Quality Management
060799	Plant Biology not elsewhere classified	060412	Quantitative Genetics (incl. Disease and Trait Mapping Genetics)
060702	Plant Cell and Molecular Biology	120203	Quantity Surveying
060703	Plant Developmental and Reproductive Biology	030701	Quantum Chemistry
060704	Plant Pathology	020603	Quantum Information, Computation and Communication
060705	Plant Physiology	020604	Quantum Optics
060310	Plant Systematics and Taxonomy	020699	Quantum Physics not elsewhere classified
020204	Plasma Physics; Fusion Plasmas; Electrical Discharges	040606	Quaternary Environments
110318	Podiatry	160803	Race and Ethnic Relations
160205	Police Administration, Procedures and Practice	030702	Radiation and Matter
160599	Policy and Administration not elsewhere classified	111208	Radiation Therapy
160699	Political Science not elsewhere classified	110320	Radiology and Organ Imaging
160609	Political Theory and Political Philosophy	150702	Rail Transportation and Freight Services
030305	Polymerisation Mechanisms	030703	Reaction Kinetics and Dynamics
091209	Polymers and Plastics	010111	Real and Complex Functions (incl. Several Variables)
060207	Population Ecology	150403	Real Estate and Valuation Services
160305	Population Trends and Policies	060110	Receptors and Membrane Biology
060411	Population, Ecological and Evolutionary Genetics	080708	Records and Information Management (excl. Business Records and Information Management)
070605	Post Harvest Horticultural Technologies (incl. Transportation and Storage)	160402	Recreation, Leisure and Tourism Geography
200211	Postcolonial Studies	100404	Regenerative Medicine (incl. Stem Cells and Tissue Engineering)
070406	Post-Harvest Fisheries Technologies (incl. Transportation)	120505	Regional Analysis and Development
220317	Poststructuralism	110321	Rehabilitation and Therapy (excl. Physiotherapy)
090406	Powder and Particle Technology	090305	Rehabilitation Engineering
090607	Power and Energy Systems Engineering (excl. Renewable Power)	220499	Religion and Religious Studies not elsewhere classified
091011	Precision Engineering	220405	Religion and Society
111716	Preventive Medicine	130211	Religion Curriculum and Pedagogy
150507	Pricing (incl. Consumer Value Estimation)	090608	Renewable Power and Energy Systems Engineering (excl. Solar Cells)
130105	Primary Education (excl. Māori)	111404	Reproduction
111717	Primary Health Care	160511	Research, Science and Technology Policy
160206	Private Policing and Security Services	111718	Residential Client Care
010404	Probability Theory	091499	Resources Engineering and Extractive Metallurgy not elsewhere classified
090407	Process Control and Simulation	110203	Respiratory Diseases
100606	Processor Architectures	090408	Rheology
220107	Professional Ethics (incl. police and research ethics)	110322	Rheumatology and Arthritis
190302	Professional Writing	091507	Risk Engineering (excl. Earthquake Engineering)
080308	Programming Languages	150703	Road Transportation and Freight Services
180124	Property Law (excl. Intellectual Property Law)	160804	Rural Sociology
060108	Protein Trafficking		

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100508	Satellite Communications	220406	Studies in Eastern Religious Traditions
090108	Satellite, Space Vehicle and Missile Design and Testing	169999	Studies in Human Society not elsewhere classified
		220407	Studies in Religious Traditions (excl. Eastern, Jewish, Christian and Islamic Traditions)
130212	Science, Technology and Engineering Curriculum and Pedagogy	199999	Studies in Creative Arts and Writing not elsewhere classified
200212	Screen and Media Culture	169902	Studies of Aboriginal and Torres Strait Islander Society
130106	Secondary Education	169903	Studies of Asian Society
040310	Sedimentology	169904	Studies of Māori Society
040407	Seismology and Seismic Exploration	169905	Studies of Pacific Peoples' Societies
030107	Sensor Technology (Chemical aspects)	200526	Stylistics and Textual Analysis
170112	Sensory Processes, Perception and Performance	040607	Surface Processes
110906	Sensory Systems	020406	Surfaces and Structural Properties of Condensed Matter
030108	Separation Science	040608	Surfacewater Hydrology
091104	Ship and Platform Hydrodynamics	110323	Surgery
091105	Ship and Platform Structures	090906	Surveying (incl. Hydrographic Surveying)
090609	Signal Processing	150106	Sustainability Accounting and Reporting
060111	Signal Transduction	070108	Sustainable Agricultural Development
080110	Simulation and Modelling	029904	Synchrotrons; Accelerators; Instruments and Techniques
150314	Small Business Management	030306	Synthesis of Materials
080709	Social and Community Informatics	060113	Synthetic Biology
170113	Social and Community Psychology	060114	Systems Biology
160104	Social and Cultural Anthropology	111603	Systems Physiology
160403	Social and Cultural Geography		T
160805	Social Change	150107	Taxation Accounting
220319	Social Philosophy	180125	Taxation Law
160512	Social Policy	180202	Te Māori Whakakaere Rauemi (Māori Resource Law)
160703	Social Program Evaluation	200321	Te Reo Māori (Māori Language)
160806	Social Theory	180203	Te Tiriti O Waitangi (The Treaty of Waitangi)
160799	Social Work not elsewhere classified	180204	Te Ture Whenua (Māori Land Law)
160807	Sociological Methodology and Research Methods	130107	Te Whāriki (Māori Early Childhood Education)
160808	Sociology and Social Studies of Science and Technology	130313	Teacher Education and Professional Development of Educators
		190303	Technical Writing
160899	Sociology not elsewhere classified	130108	Technical, Further and Workplace Education
160809	Sociology of Education	109999	Technology not elsewhere classified
020405	Soft Condensed Matter	040313	Tectonics
080309	Software Engineering	060208	Terrestrial Ecology
050303	Soil Biology	120306	Textile and Fashion Design
050304	Soil Chemistry (excl. Carbon Sequestration Science)	091012	Textile Technology
050305	Soil Physics	010207	Theoretical and Applied Mechanics
050399	Soil Sciences not elsewhere classified	030799	Theoretical and Computational Chemistry not elsewhere classified
091308	Solid Mechanics		
		030307	Theory and Design of Materials
030206	Solid State Chemistry	020304	Thermodynamics and Statistical Physics
111209	Solid Tumours	091210	Timber, Pulp and Paper
030605	Solution Chemistry	140305	Time-Series Analysis
200314	South-East Asian Languages (excl. Indonesian)	010112	Topology
200519	South-East Asian Literature (excl. Indonesian)	180126	Tort Law
020109	Space and Solar Physics	140216	Tourism Economics
130312	Special Education and Disability	150602	Tourism Forecasting
110509	Special Needs Dentistry	150603	Tourism Management
091106	Special Vehicles	150604	Tourism Marketing
130399	Specialist Studies in Education not elsewhere classified	150699	Tourism not elsewhere classified
060311	Speciation and Extinction	160513	Tourism Policy
170114	Sport and Exercise Psychology	150605	Tourism Resource Appraisal
150404	Sport and Leisure Management	150606	Tourist Behaviour and Visitor Experience
110604	Sports Medicine	111506	Toxicology (incl. Clinical Toxicology)
030704	Statistical Mechanics in Chemistry	110403	Traditional Aboriginal and Torres Strait Islander Medicine and Treatments
010506	Statistical Mechanics, Physical Combinatorics and Mathematical Aspects of Condensed Matter		
		110404	Traditional Chinese Medicine and Treatments
010405	Statistical Theory	110405	Traditional Māori Medicine and Treatments
010499	Statistics not elsewhere classified	100109	Transgenesis
020110	Stellar Astronomy and Planetary Systems	030207	Transition Metal Chemistry
010406	Stochastic Analysis and Modelling	200323	Translation and Interpretation Studies
040311	Stratigraphy (incl. Biostratigraphy and Sequence Stratigraphy)		
		110708	Transplantation Immunology
060112	Structural Biology (incl. Macromolecular Modelling)	140217	Transport Economics
030606	Structural Chemistry and Spectroscopy	090507	Transport Engineering
090506	Structural Engineering	120506	Transport Planning
040312	Structural Geology		

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030607	Transport Properties and Non-Equilibrium Processes	070709	Veterinary Pathology
150799	Transportation and Freight Services not elsewhere classified	070710	Veterinary Pharmacology
070507	Tree Improvement (Selection and Breeding)	070799	Veterinary Sciences not elsewhere classified
070508	Tree Nutrition and Physiology	070711	Veterinary Surgery
091309	Tribology	070712	Veterinary Virology
040108	Tropospheric and Stratospheric Physics	100509	Video Communications
110709	Tumour Immunology	060506	Virology
091508	Turbulent Flows	080111	Virtual Reality and Related Simulation
	U	111303	Vision Science
080504	Ubiquitous Computing	190599	Visual Arts and Crafts not elsewhere classified
120507	Urban Analysis and Development	120307	Visual Communication Design (incl. Graphic Design)
140218	Urban and Regional Economics	190104	Visual Cultures
120599	Urban and Regional Planning not elsewhere classified	130213	Vocational Education and Training Curriculum and Pedagogy
160404	Urban and Regional Studies (excl. Planning)	040314	Volcanology
120508	Urban Design		W
160514	Urban Policy	090409	Wastewater Treatment Processes
160810	Urban Sociology and Community Studies	090508	Water Quality Engineering
	V	090509	Water Resources Engineering
110324	Venereology	090410	Water Treatment Processes
060809	Vertebrate Biology	080505	Web Technologies (excl. Web Search)
070701	Veterinary Anaesthesiology and Intensive Care	140219	Welfare Economics
070702	Veterinary Anatomy and Physiology	050211	Wildlife and Habitat Management
070703	Veterinary Diagnosis and Diagnostics	090806	Wine Chemistry and Wine Sensory Science
070704	Veterinary Epidemiology	100510	Wireless Communications
070705	Veterinary Immunology	070509	Wood Fibre Processing
070706	Veterinary Medicine	070510	Wood Processing
070707	Veterinary Microbiology (excl. Virology)		Z
070708	Veterinary Parasitology	060899	Zoology not elsewhere classified





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940101	Ability and Disability	920401	Behaviour and Health
940102	Aboriginal and Torres Strait Islander Development and Welfare	840302	Beneficiation of Bauxite and Aluminium Ores (excl. Alumina Production)
939901	Aboriginal and Torres Strait Islander Education	840303	Beneficiation or Dressing of Iron Ores
920301	Aboriginal and Torres Strait Islander Health - Determinants of Health	840304	Beneficiation or Dressing of Non-Metallic Minerals (incl. Diamonds)
920302	Aboriginal and Torres Strait Islander Health - Health Status and Outcomes	820202	Berry Fruit (excl. Kiwifruit)
920303	Aboriginal and Torres Strait Islander Health - Health System Performance (incl. Effectiveness of Interventions)	860102	Beverages (excl. Fruit Juices)
900201	Administration and Business Support Services	950401	Bioethics
861301	Aerospace Equipment	850501	Biofuel (Biomass) Energy
880399	Aerospace Transport not elsewhere classified	920101	Blood Disorders
940103	Ageing and Older People	960401	Border Biosecurity (incl. Quarantine and Inspection)
910501	Agricultural and Environmental Standards	830401	Browse Crops
860799	Agricultural Chemicals not elsewhere classified	870599	Building Management and Services not elsewhere classified
861401	Agricultural Machinery and Equipment	950402	Business Ethics
950301	Āhūatanga Māori (Māori Tradition)	860201	Butter and Milk-Derived Fats and Oils (excl. Cream)
810101	Air Force	C	
880301	Air Freight	920102	Cancer and Related Disorders
880302	Air Passenger Transport	820502	Canola
960199	Air Quality not elsewhere classified	919901	Carbon and Emissions Trading
880303	Air Safety	860103	Carcass Meat (incl. Fish and Seafood)
880304	Air Terminal Infrastructure and Management	920103	Cardiovascular System and Diseases
920201	Allied Health Therapies (excl. Mental Health Services)	920202	Carer Health
820201	Almonds	940104	Carers' Development and Welfare
840301	Alumina Production	860202	Casein
840101	Aluminium Ore Exploration	870301	Cement and Concrete Materials
839999	Animal Production and Animal Primary Products not elsewhere classified	861001	Cement Products and Concrete Materials
860701	Animal Protection Chemicals	861002	Ceramics
839901	Animal Welfare	861099	Ceramics, Glass and Industrial Mineral Products not elsewhere classified
890401	Animation and Computer Generated Imagery Services	860203	Cheese
960101	Antarctic and Sub-Antarctic Air Quality	860702	Chemical Fertilisers
960801	Antarctic and Sub-Antarctic Flora, Fauna and Biodiversity	920501	Child Health
960901	Antarctic and Sub-Antarctic Land and Water Management	940105	Children's/Youth Services and Childcare
969901	Antarctic and Sub-Antarctic Oceanography	940106	Citizenship and National Identity
861402	Appliances and Electrical Machinery and Equipment	820203	Citrus Fruit
890201	Application Software Packages (excl. Computer Games)	940201	Civics and Citizenship
890202	Application Tools and System Utilities	870501	Civil Building Management and Services
830101	Aquaculture Crustaceans (excl. Rock Lobster and Prawns)	870201	Civil Construction Design
830102	Aquaculture Fin Fish (excl. Tuna)	870101	Civil Construction Planning
830103	Aquaculture Molluscs (excl. Oysters)	870401	Civil Construction Processes
830104	Aquaculture Oysters	940401	Civil Justice
830105	Aquaculture Prawns	861003	Clay Products
830106	Aquaculture Rock Lobster	960399	Climate and Climate Change not elsewhere classified
830107	Aquaculture Tuna	960301	Climate Change Adaptation Measures
810102	Army	960302	Climate Change Mitigation Strategies
950199	Arts and Leisure not elsewhere classified	960303	Climate Change Models
930301	Assessment and Evaluation of Curriculum	960304	Climate Variability (excl. Social Impacts)
960299	Atmosphere and Weather not elsewhere classified	920199	Clinical Health (Organs, Diseases and Abnormal Conditions) not elsewhere classified
960201	Atmospheric Composition (incl. Greenhouse Gas Inventory)	860401	Clothing
960202	Atmospheric Processes and Dynamics	850101	Coal Exploration
861302	Automotive Equipment	850201	Coal Mining and Extraction
B		960102	Coastal and Estuarine Air Quality
860101	Bakery Products	960802	Coastal and Estuarine Flora, Fauna and Biodiversity
910101	Balance of Payments	960902	Coastal and Estuarine Land Management
820501	Barley	961401	Coastal and Estuarine Soils
861101	Basic Aluminium Products	960903	Coastal and Estuarine Water Management
861102	Basic Copper Products	960701	Coastal and Marine Management Policy
861103	Basic Iron and Steel Products	880201	Coastal Sea Freight Transport
861199	Basic Metal Products (incl. Smelting, Rolling, Drawing and Extruding) not elsewhere classified	861201	Coated Metal and Metal-Coated Products
861104	Basic Precious Metal Products	810103	Command, Control and Communications
861105	Basic Zinc Products	870502	Commercial Building Management and Services

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870102	Commercial Construction Planning	820301	Cotton
870402	Commercial Construction Processes	860402	Cotton Ginning
850701	Commercial Energy Conservation and Efficiency	820601	Cotton Lint and Cotton Seed
909999	Commercial Services and Tourism not elsewhere classified	940402	Crime Prevention
950201	Communication Across Languages and Culture	940403	Criminal Justice
861799	Communication Equipment not elsewhere classified	860703	Crop Protection Chemicals
890199	Communication Networks and Services not elsewhere classified	959999	Cultural Understanding not elsewhere classified
950299	Communication not elsewhere classified	930399	Curriculum not elsewhere classified
940199	Community Service (excl. Work) not elsewhere classified	D	D
940107	Comparative Structure and Development of Community Services	830302	Dairy Cattle
861601	Computer and Electronic Office Equipment	860299	Dairy Products not elsewhere classified
890203	Computer Gaming Software	830303	Deer
861699	Computer Hardware and Electronic Equipment not elsewhere classified	940301	Defence and Security Policy
890299	Computer Software and Services not elsewhere classified	810199	Defence not elsewhere classified
890204	Computer Time Leasing, Sharing and Renting Services	910502	Defence Standards and Calibrations
840305	Concentrating Processes of Base Metal Ores (excl. Aluminium and Iron Ores)	910102	Demography
950302	Conserving Aboriginal and Torres Strait Islander Heritage	920402	Dental Health
950303	Conserving Collections and Movable Cultural Heritage	920104	Diabetes
950304	Conserving Intangible Cultural Heritage	920203	Diagnostic Methods
950305	Conserving Natural Heritage	840103	Diamond Exploration
950306	Conserving Pacific Peoples Heritage	920105	Digestive System Disorders
950307	Conserving the Historic Environment	920403	Disability and Functional Capacity
870299	Construction Design not elsewhere classified	920404	Disease Distribution and Transmission (incl. Surveillance and Response)
870399	Construction Materials Performance and Processes not elsewhere classified	940108	Distribution of Income and Wealth
879999	Construction not elsewhere classified	960803	Documentation of Undescribed Flora and Fauna
870199	Construction Planning not elsewhere classified	E	E
870499	Construction Processes not elsewhere classified	919902	Ecological Economics
861602	Consumer Electronic Equipment (excl. Communication Equipment)	919999	Economic Framework not elsewhere classified
910201	Consumption	910103	Economic Growth
960702	Consumption Patterns, Population Issues and the Environment	960601	Economic Incentives for Environmental Protection
960402	Control of Animal Pests, Diseases and Exotic Species in Coastal and Estuarine Environments	900301	Economic Issues in Tourism
960403	Control of Animal Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments	960305	Ecosystem Adaptation to Climate Change
960404	Control of Animal Pests, Diseases and Exotic Species in Forest and Woodlands Environments	960501	Ecosystem Assessment and Management at Regional or Larger Scales
960405	Control of Pests, Diseases and Exotic Species at Regional or Larger Scales	960599	Ecosystem Assessment and Management not elsewhere classified
960406	Control of Pests, Diseases and Exotic Species in Fresh, Ground and Surface Water Environments	960502	Ecosystem Assessment and Management of Antarctic and Sub-Antarctic Environments
960407	Control of Pests, Diseases and Exotic Species in Marine Environments	960503	Ecosystem Assessment and Management of Coastal and Estuarine Environments
960408	Control of Pests, Diseases and Exotic Species in Mining Environments	960504	Ecosystem Assessment and Management of Farmland, Arable Cropland and Permanent Cropland Environments
960409	Control of Pests, Diseases and Exotic Species in Mountain and High Country Environments	960505	Ecosystem Assessment and Management of Forest and Woodlands Environments
960410	Control of Pests, Diseases and Exotic Species in Sparseland, Permanent Grassland and Arid Zone Environments	960506	Ecosystem Assessment and Management of Fresh, Ground and Surface Water Environments
960411	Control of Pests, Diseases and Exotic Species in Urban and Industrial Environments	960507	Ecosystem Assessment and Management of Marine Environments
960499	Control of Pests, Diseases and Exotic Species not elsewhere classified	960508	Ecosystem Assessment and Management of Mining Environments
960412	Control of Plant Pests, Diseases and Exotic Species in Coastal and Estuarine Environments	960509	Ecosystem Assessment and Management of Mountain and High Country Environments
960413	Control of Plant Pests, Diseases and Exotic Species in Farmland, Arable Cropland and Permanent Cropland Environments	960510	Ecosystem Assessment and Management of Sparseland, Permanent Grassland and Arid Zone Environments
960414	Control of Plant Pests, Diseases and Exotic Species in Forest and Woodlands Environments	960511	Ecosystem Assessment and Management of Urban and Industrial Environments

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960602	Eco-Verification (excl. Environmental Lifecycle Assessment)	829899	Environmentally Sustainable Plant Production not elsewhere classified
939999	Education and Training not elsewhere classified	889899	Environmentally Sustainable Transport not elsewhere classified
930599	Education and Training Systems not elsewhere classified	939903	Equity and Access to Education
930501	Education and Training Systems Policies and Development	820302	Essential Oil Crops (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)
939902	Education and Training Theory and Methodology	860301	Essential Oils (e.g. Tea Tree, Eucalyptus, Lavender, Peppermint, Boronia, Sandalwood)
960306	Effects of Climate Change and Variability on Antarctic and Sub-Antarctic Environments (excl. Social Impacts)	940111	Ethnicity, Multiculturalism and Migrant Development and Welfare
960307	Effects of Climate Change and Variability on Australia (excl. Social Impacts)	920204	Evaluation of Health Outcomes
960308	Effects of Climate Change and Variability on New Zealand (excl. Social Impacts)	910104	Exchange Rates
960309	Effects of Climate Change and Variability on the South Pacific (excl. Australia and New Zealand) (excl. Social Impacts)	970112	Expanding Knowledge in Built Environment and Design
830501	Eggs	970115	Expanding Knowledge in Commerce, Management, Tourism and Services
940202	Electoral Systems	970114	Expanding Knowledge in Economics
890301	Electronic Information Storage and Retrieval Services	970113	Expanding Knowledge in Education
810104	Emerging Defence Technologies	970109	Expanding Knowledge in Engineering
940501	Employment Patterns and Change	970121	Expanding Knowledge in History and Archaeology
940109	Employment Services	970120	Expanding Knowledge in Language, Communication and Culture
920106	Endocrine Organs and Diseases (excl. Diabetes)	970118	Expanding Knowledge in Law and Legal Studies
850702	Energy Conservation and Efficiency in Transport	970122	Expanding Knowledge in Philosophy and Religious Studies
850799	Energy Conservation and Efficiency not elsewhere classified	970117	Expanding Knowledge in Psychology and Cognitive Sciences
850199	Energy Exploration not elsewhere classified	970110	Expanding Knowledge in Technology
859999	Energy not elsewhere classified	970107	Expanding Knowledge in the Agricultural and Veterinary Sciences
850601	Energy Services and Utilities	970106	Expanding Knowledge in the Biological Sciences
850602	Energy Storage (excl. Hydrogen)	970103	Expanding Knowledge in the Chemical Sciences
850699	Energy Storage, Distribution and Supply not elsewhere classified	970104	Expanding Knowledge in the Earth Sciences
850603	Energy Systems Analysis	970105	Expanding Knowledge in the Environmental Sciences
850499	Energy Transformation not elsewhere classified	970108	Expanding Knowledge in the Information and Computing Sciences
850604	Energy Transmission and Distribution (excl. Hydrogen)	970101	Expanding Knowledge in the Mathematical Sciences
969999	Environment not elsewhere classified	970111	Expanding Knowledge in the Medical and Health Sciences
960699	Environmental and Natural Resource Evaluation not elsewhere classified	970102	Expanding Knowledge in the Physical Sciences
960703	Environmental Education and Awareness	970116	Expanding Knowledge through Studies of Human Society
950403	Environmental Ethics	970119	Expanding Knowledge through Studies of the Creative Arts and Writing
920405	Environmental Health		F
960603	Environmental Lifecycle Assessment	861299	Fabricated Metal Products not elsewhere classified
960604	Environmental Management Systems	940112	Families and Family Services
960799	Environmental Policy, Legislation and Standards not elsewhere classified	960103	Farmland, Arable Cropland and Permanent Cropland Air Quality
940110	Environmental Services	960804	Farmland, Arable Cropland and Permanent Cropland Flora, Fauna and Biodiversity
839899	Environmentally Sustainable Animal Production not elsewhere classified	960904	Farmland, Arable Cropland and Permanent Cropland Land Management
909899	Environmentally Sustainable Commercial Services and Tourism not elsewhere classified	961402	Farmland, Arable Cropland and Permanent Cropland Soils
879899	Environmentally Sustainable Construction not elsewhere classified	960905	Farmland, Arable Cropland and Permanent Cropland Water Management
859899	Environmentally Sustainable Energy Activities not elsewhere classified	890402	Film and Video Services (excl. Animation and Computer Generated Imagery)
899899	Environmentally Sustainable Information and Communication Services not elsewhere classified	900101	Finance Services
869899	Environmentally Sustainable Manufacturing not elsewhere classified	900199	Financial Services not elsewhere classified
849899	Environmentally Sustainable Mineral Resource Activities not elsewhere classified	840399	First Stage Treatment of Ores and Minerals not elsewhere classified

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910105	Fiscal Policy	860899	Human Pharmaceutical Products not elsewhere classified
839902	Fish Product Traceability and Quality Assurance	860803	Human Pharmaceutical Treatments (e.g. Antibiotics)
830199	Fisheries - Aquaculture not elsewhere classified	850503	Hydro-Electric Energy
830201	Fisheries - Recreational	850605	Hydrogen Distribution
830299	Fisheries - Wild Caught not elsewhere classified	850301	Hydrogen Production from Fossil Fuels
890101	Fixed Line Data Networks and Services	850302	Hydrogen Production from Nuclear Energy
890102	Fixed Line Telephone Networks and Services	850303	Hydrogen Production from Renewable Energy
960805	Flora, Fauna and Biodiversity at Regional or Larger Scales	850606	Hydrogen Storage
960899	Flora, Fauna and Biodiversity of environments not elsewhere classified	850402	Hydrogen-based Energy Systems (incl. Internal Hydrogen Combustion Engines)
860104	Flour Mill and Cereal Food	I	
920406	Food Safety	920108	Immune System and Allergy
960806	Forest and Woodlands Flora, Fauna and Biodiversity	910106	Income Distribution
960906	Forest and Woodlands Land Management	920399	Indigenous Health not elsewhere classified
961403	Forest and Woodlands Soils	860699	Industrial Chemicals and Related Products not elsewhere classified
960907	Forest and Woodlands Water Management	870203	Industrial Construction Design
829901	Forest Product Traceability and Quality Assurance	870403	Industrial Construction Processes
820199	Forestry not elsewhere classified	820399	Industrial Crops not elsewhere classified
820602	Fresh Fruits and Vegetables (Post Harvest)	850703	Industrial Energy Conservation and Efficiency
960807	Fresh, Ground and Surface Water Flora, Fauna and Biodiversity	860601	Industrial Gases
850401	Fuel Cells (excl. Solid Oxide)	861501	Industrial Instruments
869901	Furniture	861403	Industrial Machinery and Equipment
G		910203	Industrial Organisations
830305	Game Livestock (e.g. Kangaroos, Wallabies, Camels, Buffaloes, Possums)	910401	Industrial Relations
940113	Gender and Sexualities	910204	Industry Costs and Structure
939904	Gender Aspects of Education	910205	Industry Policy
850502	Geothermal Energy	920109	Infectious Diseases
850202	Geothermal Energy Extraction	899999	Information and Communication Services not elsewhere classified
850102	Geothermal Exploration	890205	Information Processing Services (incl. Data Entry and Capture)
960310	Global Effects of Climate Change and Variability (excl. Australia, New Zealand, Antarctica and the South Pacific) (excl. Social Impacts)	890399	Information Services not elsewhere classified
830304	Goats	920110	Inherited Diseases (incl. Gene Therapy)
940299	Government and Politics not elsewhere classified	920409	Injury Control
820503	Grain Legumes	860602	Inorganic Industrial Chemicals
880199	Ground Transport not elsewhere classified	960605	Institutional Arrangements for Environmental Protection
H		861599	Instrumentation not elsewhere classified
820101	Hardwood Plantations	861603	Integrated Circuits and Devices
820699	Harvesting and Packing of Plant Products not elsewhere classified	861604	Integrated Systems
820102	Harvesting and Transport of Forest Products	820103	Integration of Farm and Forestry
920299	Health and Support Services not elsewhere classified	810105	Intelligence
920205	Health Education and Promotion	889901	Intermodal Materials Handling
920206	Health Inequalities	910301	International Agreements on Trade
929999	Health not elsewhere classified	940302	International Aid and Development
920207	Health Policy Economic Outcomes	940303	International Organisations
920208	Health Policy Evaluation	940304	International Political Economy (excl. International Trade)
920407	Health Protection and/or Disaster Response	940399	International Relations not elsewhere classified
920502	Health Related to Ageing	880202	International Sea Freight Transport (excl. Live Animal Transport)
920503	Health Related to Specific Ethnic Groups	880203	International Sea Transport of Live Animals
920408	Health Status (e.g. Indicators of Well-Being)	910399	International Trade not elsewhere classified
920107	Hearing, Vision, Speech and Their Disorders	890403	Internet Broadcasting
950399	Heritage not elsewhere classified	890206	Internet Hosting Services (incl. Application Hosting Services)
830502	Honey	900102	Investment Services (excl. Superannuation)
820204	Hops	840104	Iron Ore Exploration
830306	Horses	J	
820299	Horticultural Crops not elsewhere classified	940499	Justice and the Law not elsewhere classified
909901	Hospitality Services	K	
860801	Human Biological Preventatives (e.g. Vaccines)	820205	Kiwifruit
910202	Human Capital Issues	L	
860802	Human Diagnostics	960999	Land and Water Management of environments not elsewhere classified

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960704	Land Stewardship	849801	Management of Gaseous Waste From Mineral Resource Activities (excl. Greenhouse Gases)
950202	Languages and Literacy	829801	Management of Gaseous Waste from Plant Production (excl. Greenhouse Gases)
950203	Languages and Literature	889801	Management of Gaseous Waste from Transport Activities (excl. Greenhouse Gases)
940404	Law Enforcement	839802	Management of Greenhouse Gas Emissions from Animal Production
940405	Law Reform	909802	Management of Greenhouse Gas Emissions from Commercial Services and Tourism
949999	Law, Politics and Community Services not elsewhere classified	879802	Management of Greenhouse Gas Emissions from Construction Activities
930101	Learner and Learning Achievement	859802	Management of Greenhouse Gas Emissions from Electricity Generation
930199	Learner and Learning not elsewhere classified	859803	Management of Greenhouse Gas Emissions from Energy Activities (excl. Electricity Generation)
930102	Learner and Learning Processes	899801	Management of Greenhouse Gas Emissions from Information and Communication Services
930103	Learner Development	869802	Management of Greenhouse Gas Emissions from Manufacturing Activities
860499	Leather Products, Fibre Processing and Textiles not elsewhere classified	849802	Management of Greenhouse Gas Emissions from Mineral Resource Activities
940406	Legal Processes	829802	Management of Greenhouse Gas Emissions from Plant Production
940407	Legislation, Civil and Criminal Codes	889802	Management of Greenhouse Gas Emissions from Transport Activities
890302	Library and Archival Services	839803	Management of Liquid Waste from Animal Production (excl. Water)
820504	Linseed	909803	Management of Liquid Waste from Commercial Services and Tourism (excl. Water)
830503	Live Animals	879803	Management of Liquid Waste from Construction Activities (excl. Water)
839903	Livestock Product Traceability and Quality Assurance	859804	Management of Liquid Waste from Energy Activities (excl. Water)
830399	Livestock Raising not elsewhere classified	869803	Management of Liquid Waste from Manufacturing Activities (excl. Water)
810106	Logistics	849803	Management of Liquid Waste from Mineral Resource Activities (excl. Water)
860603	Lubricants	829803	Management of Liquid Waste from Plant Production (excl. Water)
830402	Lucerne	889803	Management of Liquid Waste from Transport Activities (excl. Water)
820505	Lupins	889804	Management of Noise and Vibration from Transport Activities
	M	839804	Management of Solid Waste from Animal Production
820206	Macadamias	909804	Management of Solid Waste from Commercial Services and Tourism
861202	Machined Metal Products	879804	Management of Solid Waste from Construction Activities
861499	Machinery and Equipment not elsewhere classified	859805	Management of Solid Waste from Energy Activities
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879801	Management of Gaseous Waste from Construction Activities (excl. Greenhouse Gases)	899803	Management of Water Consumption by Information and Communication Services
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910206	Market-Based Mechanisms	961010	Natural Hazards in Urban and Industrial Environments
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890499	Media Services not elsewhere classified	920111	Nervous System and Disorders
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