











ESSENTIAL STATISTICAL ASSETS FOR AUSTRALIA

ESA– 132 FREIGHT MOVEMENT STATISTICS

Summary of Quality Assessment Results

Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
 Green	 Green	 Green	 Green	 Green	 Green	 Green	 Green

List of Contributing Datasets and Custodians

- Australian International and Domestic Airline Activity (BITRE)
- Australian Sea Freight (BITRE)
- *Forecasted/Modelled Data on Road Freight (State Transport Bureaus) **
- Rail Freight Performance (BITRE/ARA)

**Data gap (no cohesive data collection across all states and territories)*

ESA Elements

Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Economy; Society	Business Performance and Structure; Transport	Includes an integrated set of statistics informing how freight is transported into and across Australia.	3-Yearly	National, State/ Territory, Port, SA4	Transport Mode, Commodity

Overall ESA Assessment

The quality of ESA – 132 Freight Movement Statistics was assessed as a green traffic light for the purpose of ESA. The overall quality of this statistic met an acceptable standard for the quality indicators selected and the appropriate quality practices and processes were in place. This statistic quality assessment was based on quality information about the contributing datasets. However, the dataset, Forecasted/Modelled Data on Road Freight (State Transport Bureaus), was unable to be assessed as it was considered a data gap for the purpose of the quality assessment process. The missing information may have impacted on the overall outcome of the quality assessment for the statistic. Data custodians can be contacted for further information about the quality of the datasets which contributed to the statistic.

For more detailed quality information about each dimension, see over page





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Institutional Environment

The statistic scored a green traffic light for institutional environment. There were sufficient quality processes in place, protections for confidentiality and archiving processes. Staff were trained in data collation and the statistical purpose of the administrative records. Risk management processes could have been improved in some cases.

Relevance

The statistic scored a green traffic light for relevance. All key information identified in the description of the statistic was available. The critical spatial level identified for the statistic, Statistical Area 4 (SA4), was not produced; however some information for this critical disaggregation was available as capital city was collected in some cases. Most critical disaggregations identified for the statistic were present. In some cases the critical disaggregation, Commodity, was not available.

Timeliness

The statistic scored a green traffic light for timeliness. The critical frequency for the statistic was met. The duration between collection and release of data was timely. Users were able to access the release of new data when expected in most cases.

Accuracy

The statistic scored a green traffic light for accuracy. Most of the target population was sufficiently represented, and known under or overcounts or under or overrepresentation in the statistic were managed. There were sufficient measures in place to adjust for missing values and non-response. The accuracy varied for some information collected within administrative datasets and sampling error was not provided for survey data.

Coherence

The statistic scored a green traffic light for coherence. Information for the statistic was able to be compared over time with minimal changes to collection procedures and population and characteristic definitions remaining consistent. External sources were available for data confrontation in most cases. There was some variation between data compiled from multiple administrative sources.

Interpretability

The statistic scored a green traffic light for interpretability. Data quality statements, information to help users to understand the data and descriptions of conceptual limitations of the data were available. Users were able to access additional support if needed.

Accessibility

The statistic scored a green traffic light for accessibility. The key information, including visualisations such as graphs or maps, was publicly available and users could access some data in a machine readable format and Excel. All data was accessible in pdf. The key information was accessible for free with some customised data available at a cost.

Areas for improvement

- There was some variation between data compiled from multiple administrative sources affecting coherence.
- Sampling error was not provided for survey data.
- Most data was not available in Excel or machine readable formats.
- There was a data gap for information about road freight.