

A National Approach to Managing Safety Performance - An Australian Perspective

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- A short overview of rail in Australia
- Highlight Australian rail projects associated with:
 - Improving human performance and compliance with safety rules, and
 - Assessing human performance on safety

- Labour force: 44,210 people (+9.5%)
(+70,000 working in industries supporting rail)
- Investment Commitments in rolling stock and track
\$56 BN over next five to seven years
- Track: 44,262 kms
- 725 million annual customer journeys
- 720 million tonnes of freight moved across the
country
- Over 1,800 locomotives and 32,000 wagons and
passenger cars

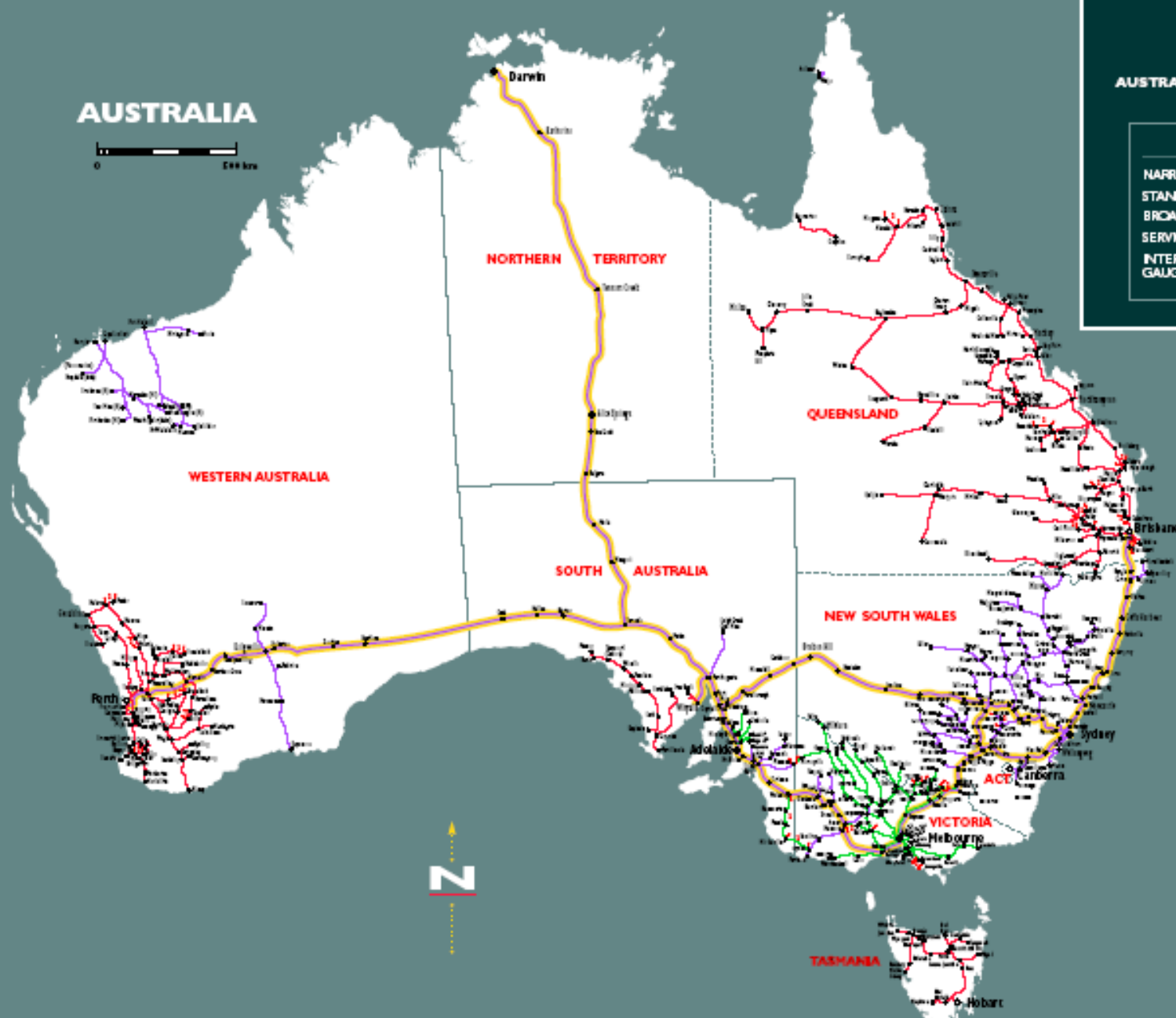


AUSTRALASIAN RAILWAY ASSOCIATION INC

LEGEND

NARROW GAUGE	
STANDARD GAUGE	
BROAD GAUGE	
SERVICE SUSPENDED	
INTERSTATE STANDARD GAUGE NETWORK	

AUSTRALIA



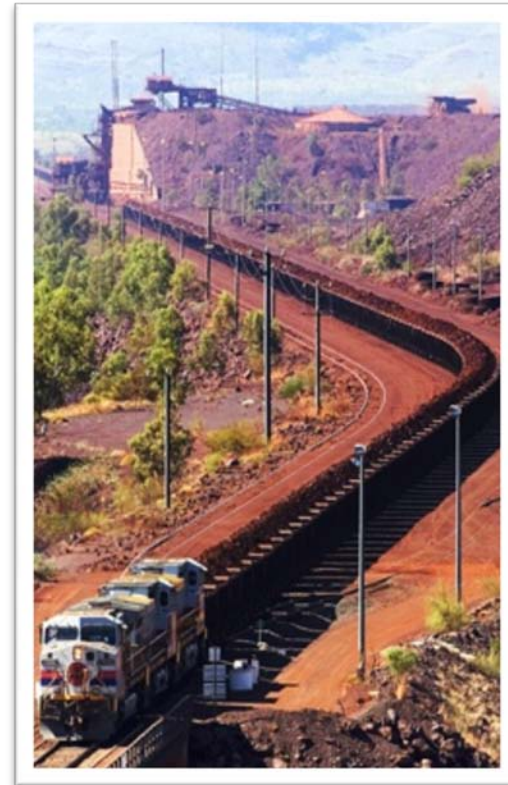
NEW ZEALAND



- Seven Kingdoms
 - Seven Rail Safety Regulators
- Three different track gauges
- 22 radio systems
- Rolling Stock Specifications
- RISSB formed in 2007
 - To harmonise the Rail Industry
 - Standards, Codes, Rules and Guidelines
 - Jointly funded by Governments and Industry



Improving Human Performance and Compliance with Safety Rules



Improving Human Performance and Compliance with Safety Rules

- **Australian National Rules and Procedures Project**
- National Rail Safety Strategy
- National Rail Safety **Data** Strategy

Improving Human Performance and Compliance with Safety Rules

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National Rail Safety Strategy

Improving Human Performance and Compliance with Safety Rules

- Australian National Rules and Procedures Project
- National Rail Safety Strategy
- **National Rail Safety Data Strategy**

- Specify industry needs for collated national data and develop the data items that will meet those needs.
- Better rail safety data for industry
- Improve rail safety data reporting for industry through an industry wide education program.
- Investigate options in relation to responsibility for a national industry rail safety database.

Outcomes

- National Guidelines x 3
- Database options paper

- **Assessing Human Performance on Safety**



Assessing Human Performance on Safety

- Rail Safety Worker Checking Code of Practice
- Safety Culture Toolkit

Assessing Human Performance on Safety

- Rail Safety Worker Checking Code of Practice
- **Safety Culture Toolkit**

- Electronic
 - Benchmarking and measuring safety
 - Survey undertaken in Aug 10
 - 10 of 53 questions unsatisfactory
 - Industry taking measures to rectify
 - Questions subjective
 - Rail CRC undertaking working on questions to make them more objective

- Since inception RISSB has pursued harmonisation projects on behalf Australian Rail Industry.
- Highlighted a few of these projects which are associated with the conference theme.

Thank You

- The approach recognises that humans, as road users, are fallible and will make mistakes which will result in crashes. It requires that road infrastructure be designed to take account of these errors and vulnerabilities to reduce the risk of serious injury.

- policy and strategy development
- road design and traffic engineering
- road user behaviour and education
- enforcement
- fatigue monitoring and management
- vulnerable road users
- vehicle safety
- heavy vehicles including vehicle dynamics
- collision and incident investigation.