



TCA's Telematics Industry Group meeting

November 2023





Welcome

Gavin Hill, Transport Certification Australia



The way forward, challenges and opportunities

John Gordon, Transport Certification Australia



Telematics updates from around the country

Representatives from transport authorities



Road freight statistics & Freight vehicle telematics data

David Mitchell, Bureau of Infrastructure and Transport Research Economics (BITRE)



ATO fuel tax credits and telematics technology providers

Gavin Hill, Transport Certification Australia



Spotlight: Technology Convergence 2023 Conference



Questions and comments from participants

Agenda

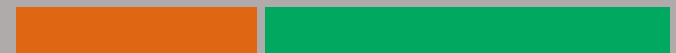


The way forward, challenges and opportunities

John Gordon

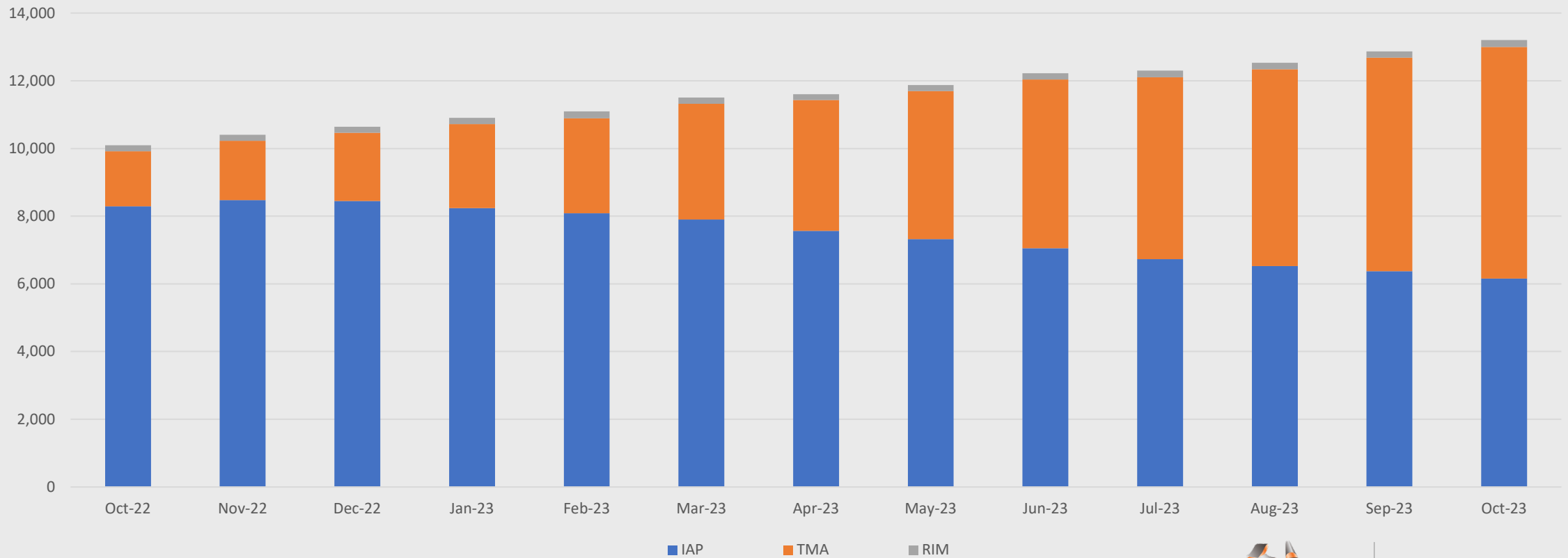
Manager Strategic Development

Transport Certification Australia



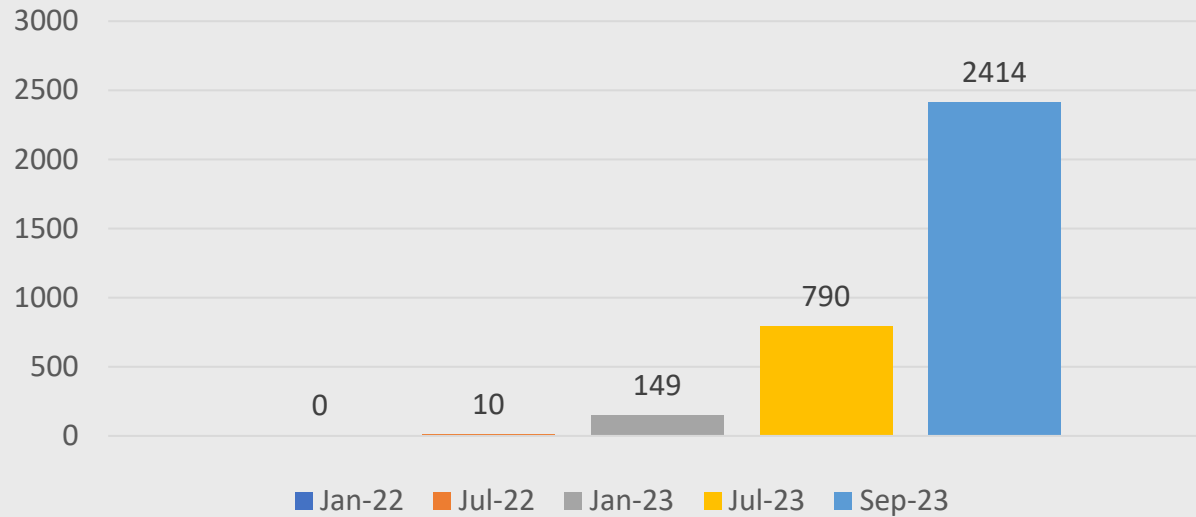
The evolution of telematics monitoring in Australia

Vehicles enrolled in the National Telematics Framework

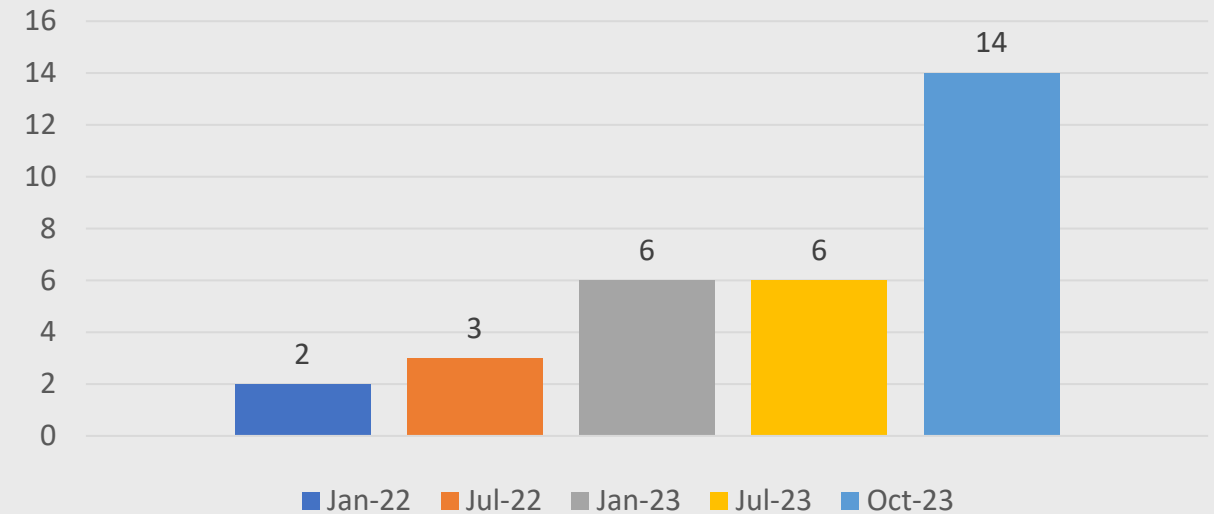


Smart On-Board Mass data growth

Number of vehicles reporting mass data to TCA



Number of telematics schemes associated with Smart OBM



Data from Smart OBM enables road managers to:



Monitor vulnerable bridges and structures



Report on productivity and economic utilisation for maintenance prioritisation



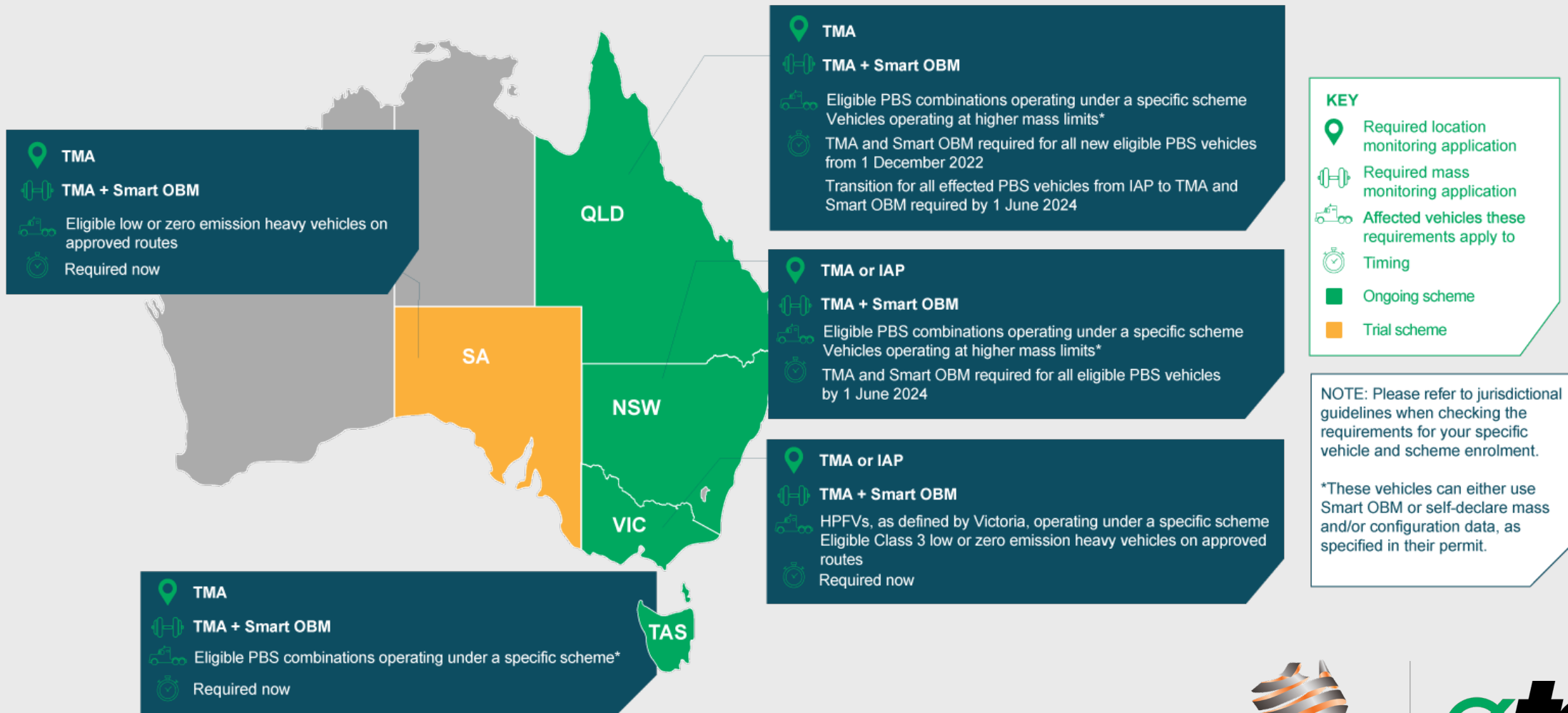
Support access and road management decisions through travel trend analysis



Provide assurance to road managers, particularly local governments, on public road utilisation.



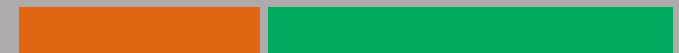
Smart OBM requirements across the country



Strong push for low/zero emission heavy vehicles



Updates from around the country



Telematics in New South Wales



Telematics in Victoria



Telematics in Queensland



Telematics in Western Australia



Telematics in South Australia



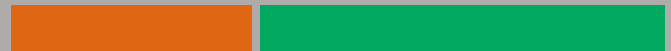
Road freight statistics & Freight vehicle telematics data

David Mitchell

Director Transport Research and Modelling

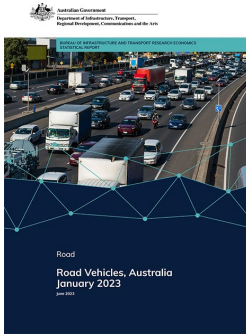
Bureau of Infrastructure and Transport Research Economics (BITRE)

Research, Data and Strategy Division



Road freight statistics & Freight vehicle telematics data

- Replacing the Annual ABS Motor Vehicle Census – BITRE Road Vehicles Australia
 - [First issue](#) released: October 2022; [Second issue](#) released: June 2023; Next issue: May 2024
- Replacing ABS Survey of Motor Vehicle Use
 - Options: i) new survey collection; ii) online sales data; iii) role of freight vehicle telematics data.
- Current QUT/iMOVE project – Exploring roadmap for future data needs and role of telematics data
 - Examine current policy and data sharing landscape covering vehicle telematics – develop a road map for making greater use of truck telematics data to inform industry & network planners/operators
 - To do: consult further freight operators and data managers
- Making NFDH/BITRE insights more accessible
 - Telematics-based data demos: Annual freight congestion [publication](#), Congestion [storyboard](#), Rest area utilisation [animation](#), Optimal routing engine, Travel time isochrones, One-day data



Updates from the Australian Government



Telecommunications Legislation and Connected Vehicles

The Department of Infrastructure, Transport, Regional Development, Communications and the Arts is seeking inputs on:

Should telecommunications carriage service provider (CSP) obligations apply to:

- *the manufacturers and distributors of connected vehicles, or*
- *the manufacturers and distributors of after-market units that connect vehicles to the internet?*

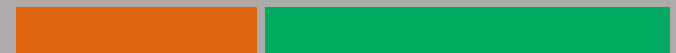
Visit www.infrastructure.gov.au to have your say by **8 December 2023.**



ATO fuel tax credits and telematics technology providers

Gavin Hill

General Manager Strategy and Delivery
Transport Certification Australia



ATO fuel tax credits and telematics technology providers

- The ATO has recognised that there are existing certification arrangements for positional accuracy which can be referenced by telematics technology providers.
- TCA certification and type-approval can be used to streamline the submission process when telematics technology providers are:
 - applying for a [product ruling](#) or [class ruling](#) involving fuel tax credits, or
 - updating or developing telematics products.



ATO fuel tax credits and telematics technology providers

Positional accuracy and data capture integrity

Documentary evidence is required to support positional data accuracy and data capture for the product.

Telematics products that have been assessed and certified by an independent recognised certification entity (including type-approval of telematics devices) may be referenced as part of providing documentary evidence for the product. A copy of the certification will assist with a product or class ruling application.



We will not require a detailed examination of the actual data and installation process if a product:

- is currently certified by an independent recognised certification entity (and includes the use of type-approved telematics devices)
- is used in conjunction with a scheme that
 - recognises the certification of the product
 - provides assurance over positional accuracy and data capture, including installation processes of hardware devices
 - has ongoing governance and assurance processes and controls to identify any errors through the scheme
 - has mitigation steps in place to identify and correct errors.



If your product has not been certified for positional accuracy and data capture by an independent recognised certification entity, then you must demonstrate the:

- accuracy of the data
- governance and assurance processes
- controls in place to identify and mitigate errors with the data.

For more information, visit:
ato.gov.au and search for
“Fuel tax credits telematics
technology providers”

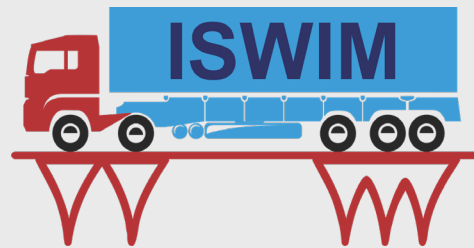


Spotlight on Technology Convergence 2023

A joint conference by:



www.hvttforum.org



www.is-wim.org





Technology Convergence 2023 Highlights

- Only the second joint conference by the Heavy Vehicle Transport and Technology (HVTT) Forum and International Society for Weigh in Motion (ISWIM). The last one was held in 2008 in Paris, France.
- The last time Australia hosted the HVTT Forum was in 2010 in Melbourne.
- Prior to that, the International Symposium on Heavy Vehicle Weights and Dimensions (the forerunner to the HVTT Forum) was held in Maroochydore, Queensland in 1998.





Technology Convergence 2023 Highlights

- 72 full scientific papers accepted
- 204 authors of scientific papers
- 23 countries represented (by author)
- 8 countries represented (by sponsor/exhibitor)
- 9 keynote speakers
- 16 sponsors and exhibitors



For more information on presentations or to download the papers from Technology Convergence 2023, visit:





Questions?

