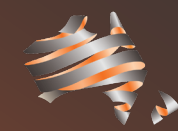




Changes to telematics arrangements for heavy vehicles (TMA and Smart OBM)

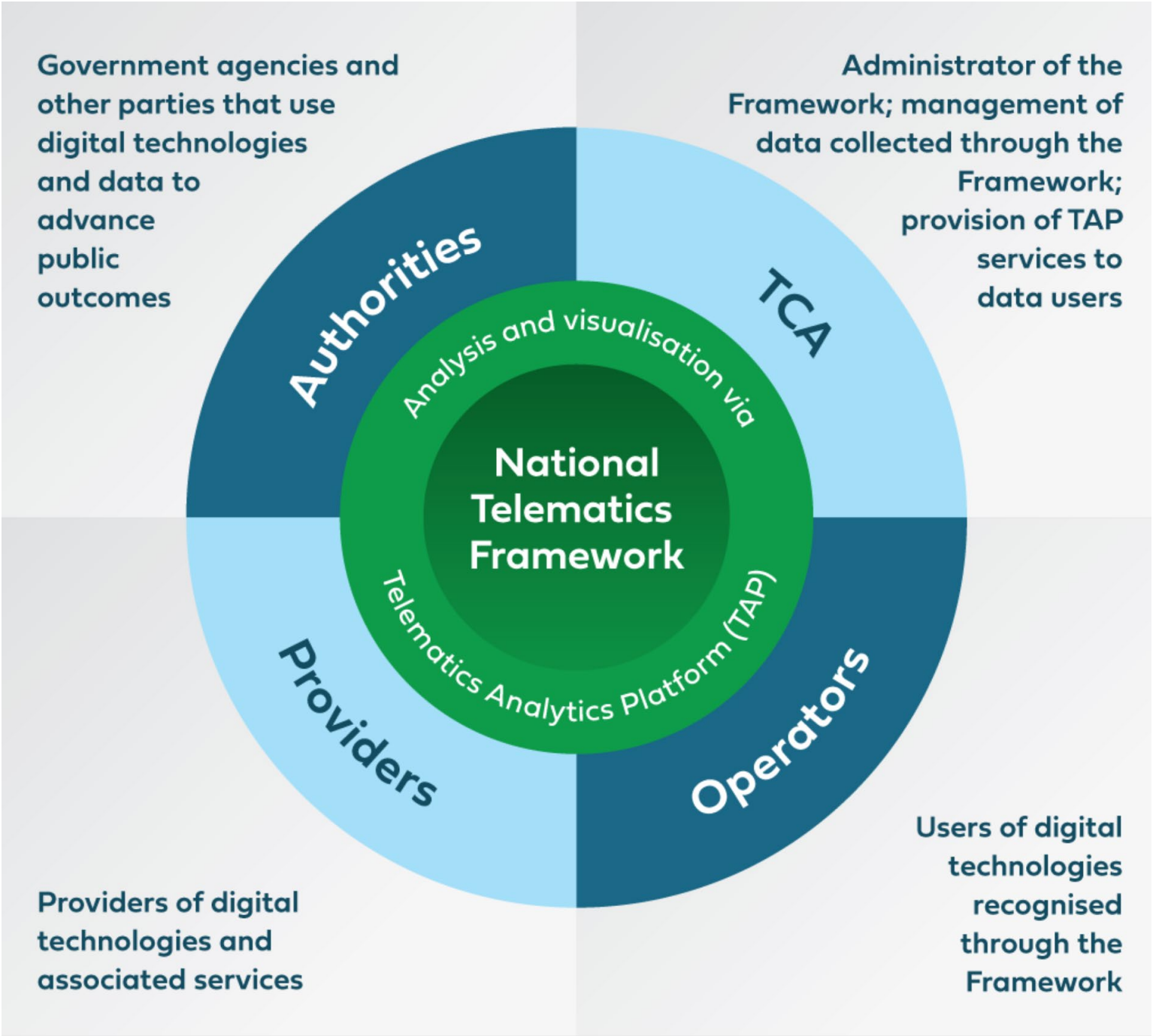
14 March 2023



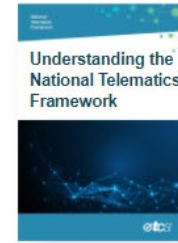
Austroads

Quick refresh on the National Telematics Framework





UNDERSTANDING
THE FRAMEWORK



COMMON
FRAMEWORK
COMPONENTS



DIFFERENT
ASSURANCE
LEVELS FOR
APPLICATIONS



USE OF THE
FRAMEWORK



National Telematics Framework



- Multiple providers
- Multiple applications
- Multiple schemes

- *enabled through:*
- Standards and specifications
- Business rules
- Legal agreements
- Operational oversight
- Privacy management
- Cyber security

= Consumer choice

= Consumer protections and assurance

= Unlocks standardised data collection and reporting

National Telematics Framework



- Recognised as an international standard by the International Standards Organization (ISO)
- **ISO 15638:** Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV)

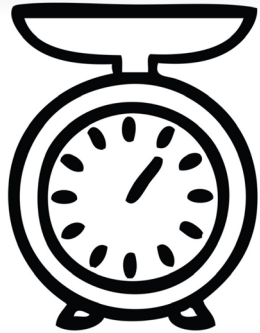
Outlining the differences between IAP and TMA/ Introducing Smart OBM



Key differences

	Road Infrastructure Management (RIM)	Telematics Monitoring Application (TMA)	Intelligent Access Program (IAP)
Aggregated, de-identified data	✓	✓	✗
Identifiable vehicle data	✗	✓	✓
Evidentiary data for enforcement	✗	✗	✓
Cost	←————→		
Serving suggestions	Use for road use analysis/planning	Use for lower-risk activities (education & regulatory improvement activities)	Use for higher-risk activities (direct compliance & enforcement)

Smart OBM



Smart OBM



Smart OBM systems are devices that use digital technology to collect and transmit mass data from vehicles in a reliable and standardised way

Different technologies can be used to deliver Smart OBM

Road agencies require Smart OBM for specific uses

All Smart OBM systems are type-approved by TCA

OBM may be referred to as:

- On-board scales
- On-board weighing
- Air pressure sensors
- Electronic Braking System (EBS)

Smart OBM

 **tca** | Type-Approved™
Smart OBM System (Category B)





Required for all new eligible vehicles from 1 December 2022
Transition for affected existing vehicles required by 1 June 2024

Required for all affected vehicles by 1 June 2024

Required for all affected vehicles by 30 June 2023

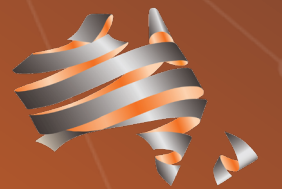
Currently required

KEY

- Required location monitoring application
- Required mass monitoring application
- Affected vehicles these requirements apply to

Note: Please refer to individual jurisdictional guidelines when checking requirements for your specific vehicle and scheme enrolment.

What's behind the recent changes in Queensland?



Austroads

What's behind the change?



- TMA and Smart OBM are critical tools for the Queensland Department of Transport and Main Roads (TMR) in its capacity as a road manager
- They provide ongoing access to telematics data to ensure continued heavy vehicle access to the road network under current access arrangements
- TMA and Smart OBM data provides greater insights in to our network and factor into potential additional access, and will assist with road network planning into the future

Vehicle categories effected by the change



- Class 2 vehicles operating at Higher Mass Limits (HML)
- Class 2 Performance-Based Standards (PBS) Level 1 & 2A Truck and Dog Trailers operating at HML
- Class 2 PBS A-Doubles
- Class 3 20m Long 3-Axle Truck and 4-Axle Dog Trailers

The Queensland 18-month transition – what you need to know



Transition details



- All existing IAP and/or Interim OBM enrolments must be fully transitioned by **1 June 2024**
- The staged implementation approach is intended to limit any potential adverse operational or commercial impacts to industry
- Importantly, IAP and the Queensland Interim OBM Solution will continue to run concurrently during the transitional period – until 1 June 2024
- All new enrolments from 1 December 2022 must enrol in TMA (and Smart OBM if required)

Pairings matter!

Smart OBM systems aren't smart unless they're paired!

Think of it as a relationship between two parties.



Supplier → Application Service Provider ↓ (In alphabetical order)	Airtec Corporation 	E-max Aust 	Knorr-Bremse 	Integrated Vehicle Solutions 	Loadman Australia 	McColl's Transport Operations 	Right Weigh 	Tramanco 
Blackbox Control 	X	X	X	X	✓	X	X	X
MTData 	✓	✓	✓	✓	✓	X	X	✓
Netstar 	X	✓	X	X	✓	✓	X	✓
Teletrac Navman 	✓	✓	✓	X	✓	X	X	✓
V-DAQ 	✓	✓	X	X	✓	X	✓	✓

Questions?



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