

Transport Certification Australia



Strategic Plan
2020-24

Who we are

Transport Certification Australia (TCA) is a national organisation that provides assurance services relating to transport technologies and data to enable improved public purpose outcomes from road transport.

Priority outcome areas enabled by TCA services include improved road safety, transport efficiency, freight productivity, asset management and sustainability.



Key aspects of TCA include the following:

- An independent not-for-profit entity, with government oversight and ownership through Austroads
- Administration of the National Telematics Framework, including its rules, specifications, agreements, digital infrastructure and other supporting services
- Assurance services that support but are appropriately separated from regulators, policy makers and enforcement activities, and underpin telematics applications and associated information and data services
- Advice that is based on evidence and a deep subject matter knowledge
 - Trusted partner to both government and industry stakeholders, enabling a nationally consistent open market, with services covering all road vehicle types and associated digital infrastructure.

What we do

The scope of our services will continue to evolve across and within the following service categories:

Assurance

- Certification of service providers, telematics applications and data
- Type approval of devices and systems, including telematics units and on-board mass systems
- Auditing of service providers, applications and associated data.

Analysis and Reporting

- Standardised and ad-hoc data analysis, reporting and data provision to support the compliance, policy, planning, investment and operational decision making of key stakeholders
- Manage the Telematics Analytics Platform to support user access to data and reporting services
- Provide core analysis and reporting capabilities that key stakeholders require.

Administration

- Administration of the National Telematics Framework, including the rules, specifications, agreements and digital infrastructure that it comprises
- Support for applications, schemes and other initiatives on behalf of key stakeholders
- Maintenance of road access maps, scheme conditions, and processing of data and information.

Advice

- Provision of authoritative information and trusted advice on transport technologies and data to support policy and regulatory reform, and planning, investment and operational decisions
- Well-developed knowledge on emerging vehicle and transport technologies, including telematics, connected and automated driving systems, and innovative mobility services.

Strategic challenges

Key strategic challenges to be addressed going forward include:

Transport outcome targets are proving challenging to achieve

- Achievement of safety, efficiency, productivity and sustainability targets from our transport systems is proving challenging, with a growing need to better identify and deliver effective actions
- With limited budgets and resources, the intelligent use of technology and data provides opportunities to better inform decisions that can achieve public purpose outcomes

Policies and regulation can impact the uptake of technology and data services

- Policy decisions by government bodies, such as conditions placed on restricted access vehicles, can impact directly on the uptake and use of technology and data services.
- Regulatory reform initiatives, such as the Heavy Vehicle National Law review, could potentially result in changed roles, responsibilities, and requirements for technology and data services

Emerging technologies and businesses are disrupting traditional services

- Emerging technology trends, including with vehicle connectivity and automated driving, could impact the market deployment and use of telematics and associated technologies
- New and evolving sources of data and information services could have an impact on the value proposition for some current services

Big data brings with it evolving technical, commercial and legal challenges

- The amount of data that is made accessible is forecast to continue to increase, which requires appropriate investment in the digital infrastructure and capabilities to manage it

- The approach to addressing security, privacy and data rights will continue to evolve, both globally and locally, requiring adaptable and appropriate actions to be taken

Business practices and services need to evolve in a dynamically changing environment

- Maintaining an appropriate level of knowledge and capabilities with transport technologies and data is challenging, not least of which because of the pace of development
- Achieving financial sustainability and resilience, along with demonstrating value for money with services delivered, will likely require business practices and funding models to evolve.



Strategic objectives

Key strategic objectives that respond to our strategic challenges include:

Enable improved public purpose outcomes from road transport

- Collaborate with key stakeholders to ensure that technology and data services are fit-for-purpose and can effectively contribute to desired outcomes
- Contribute to policy and regulatory reform initiatives and other relevant projects to ensure that decision making is well informed

Administer an assurance framework that supports multiple assurance models and applications

- Ensure availability of telematics applications at levels of assurance that are tailored to stakeholder requirements and are fit for purpose
- Develop and evolve assurance services with consideration to supporting contemporary and evolving uses of technology and data

Increase the number and range of vehicles enrolled in telematics applications

- Increase the number of vehicles that are enrolled in and contribute data to the National Telematics Framework
- Expand the range of enrolled vehicles, including restricted access vehicles and general access vehicles, where appropriate

Develop our digital infrastructure to address emerging data demands and requirements

- Evolve our digital infrastructure to support changing demands with data ingestion, storage, analysis and reporting, and to meet evolving security and privacy requirements
- Improve user access to data, including de-identified and aggregated analysis and reporting

Provide support for evolving and emerging transport technologies

- Improve TCA's readiness to provide services that support evolving and emerging technologies
- Develop and maintain relevant knowledge and capabilities, including with connected and automated vehicles (CAVs) and associated Intelligent Transport Systems (ITS)

Evolve our business practices and capabilities to meet changing requirements

- Continue to develop our staff, including with their knowledge, skills and supporting systems
- Partner with key government and industry stakeholders to achieve objectives
- Evolve our business practices and funding model to ensure sustainability and resilience.

Measures of success

- Advice and services provided to stakeholders are demonstrated to enable positive outcomes
- The number and range of vehicles enrolled and providing data has increased
- Assurance services are evolved to support a wider range of transport technologies and data
- Access to and use of data and reporting services by key stakeholders has expanded
- Financial sustainability and resilience is achieved.

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