

MEET IN ASIA PACIFIC FOR THE
WORLD'S LEADING TRANSPORT TECHNOLOGY EVENT

ACTIVATING GLOBAL MOBILITY SOLUTIONS

ITS—ENHANCING LIVEABLE CITIES AND COMMUNITIES



2016
MELBOURNE

23rd World Congress on Intelligent Transport Systems

Melbourne Convention and Exhibition Centre

10–14 October 2016



Australian Government

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Stuart Ballingall

Austroads

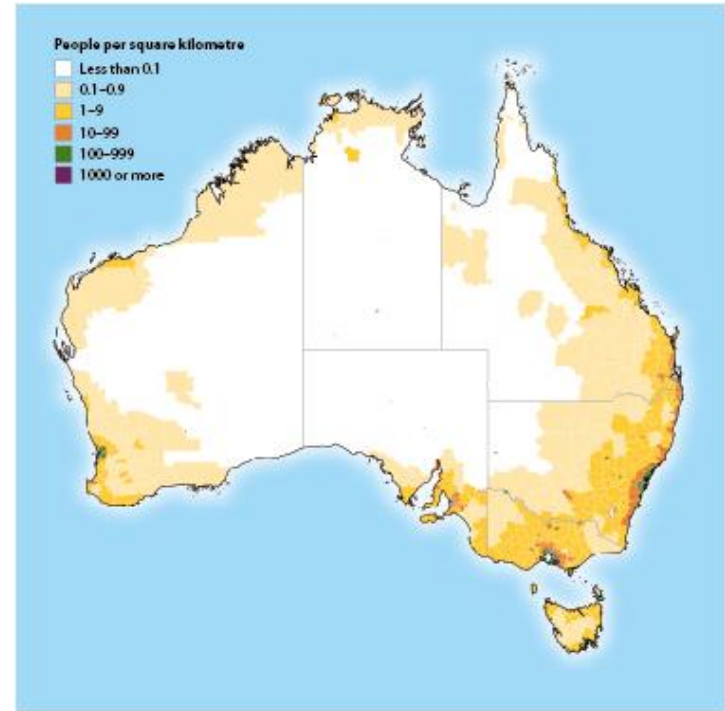
SIS32 - Trilateral Automation in Road Transportation Working Group

International cooperation - an Australian point of view



Australian context

- Three levels of government
- Almost 900,000 kms of roads (over half unsealed)
- 18.4 million registered road vehicles
- 1.15 million new vehicle sales p/a (approx 1.5% of global market)
- Over 90% vehicles sold are imports
- Regulated vehicle standards (ADRs) harmonised with UNECE



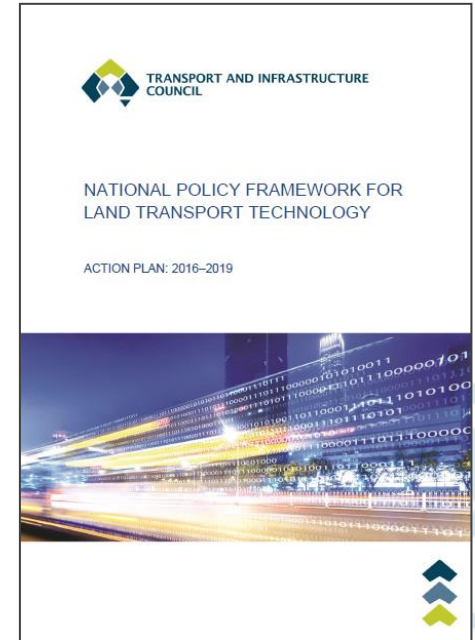
Policy frameworks

National Policy Framework for Transport Technology

- Endorsed by Ministers in August 2016
- Policy principles to guide decision making
- Three year action plan

Other relevant policy & strategy documents:

- National Road Safety Strategy
- Various policy statements (vehicles, roads)
- Jurisdictions policies & strategies



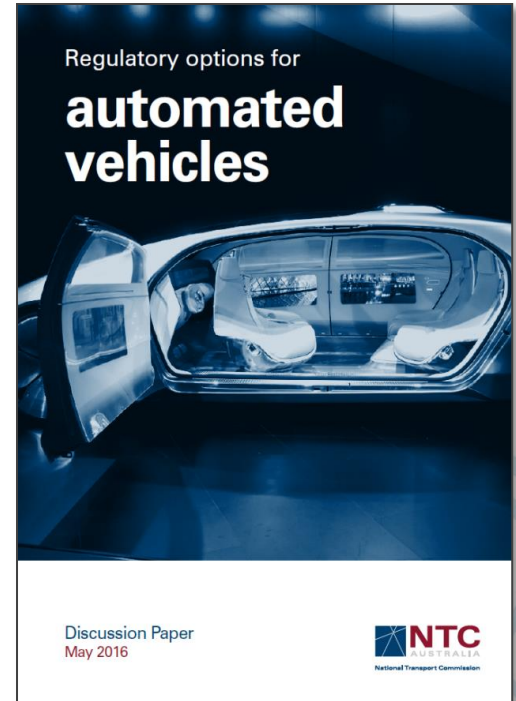
Regulatory frameworks

NTC review of regulatory barriers for AVs

- Key objectives to identify legal barriers & to support nationally consistent frameworks
- Scope included motor vehicles, road rules, licences & permits, liability, enforcement

Other relevant regulatory frameworks:

- Communications
- Privacy, surveillance, security
- Consumer protection



Operational frameworks

Austrroads CAV program:

- Physical & digital infrastructure
- Road operations, 'movement & place'
- Vehicle registration & driver licencing
- Austrroads Guides

Other operational arrangements:

- Device licencing/authorisation
- Positioning services
- Security management



Source: Austrroads

Commercial implications

- Revenue streams – driver/operator licenses, vehicle registration, fuel tax, sales tax, fines
- Physical infrastructure – new standards to support AV use cases, roadside equipment
- Digital infrastructure – data management, communications, security, positioning
- Investment & jobs – risks & opportunities



Source: nutonomy



Trials and deployments

Source: RAC WA



Source: DPTI SA

Source: TfNSW



Source: VicRoads

Thank you



Austroads

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