

Automated vehicle development in Australia

SIP-adus 2017

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About the National Transport Commission

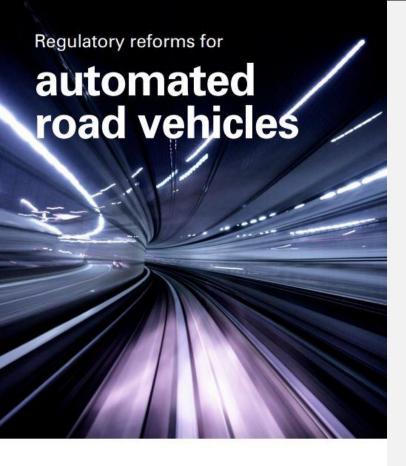
Independent statutory body

Develop national surface transport policy reform proposals

Funded by the Commonwealth and 8 state and territory governments

Remove 'regulatory barriers' to new, innovative transport services and products





Roadmap of reform

- To develop end-to-end legal framework for commercial deployment of automated vehicles
- Near, medium, long-term reforms 2016–2020
- Builds on extensive consultation



Daimler's Mercedes, Bosch to deliver self-driving car by 2021

Nathan Bomey, USA TODAY Published 5:02 a.m. ET April 4, 2017 | Updated 5:32 p.m. ET April 6, 2017

Audi Promises Fully Self-Driving Cars With Artificial Intelligence by 2020







AUG 16, 2016 | PALO ALTO, CAI

FORD TARGETS FULLY AUTONOMOUS VEHICLE FOR RIDE SHARING IN 2021; INVESTS IN NEW TECH COMPANIES, DOUBLES SILICON

- Ford announces intention to deliver high-volume, fully autonomous vehicle for ride sharing in 2021
- Ford investing in or collaborating with four startups on autonomous vehicle development
- Company also doubling Silicon Valley team and more than doubling Palo Alto

BMW says it will deliver self-driving car by 2021

Nathan Bomey , USA TODAY

Published 9:27 a.m. ET July 1, 2016 | Updated 3:51 p.m. ET July 1, 2016

Toyota promises self-driving car with 'autopilot switch' by 2020













Key challenges

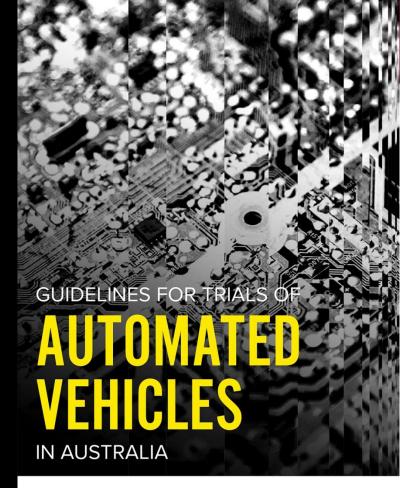
- 1. Safety
- 2. Liability
- 3. Enforcement
- 4. Data



Key areas:

- Scope of operations
- Safety management plan
- Appropriate insurance
- Agree to provide key data

Approved by transport ministers in May 2017







C-ITS and Automated Vehicle trials in Australia



Safety assurance options

- 1. Continue current approach
- 2. Self-certification

- 3. Pre-market approval
- 4. Accreditation



Clarifying control

Guidelines will clarify:

- who is responsible for the vehicle at each level
- how the 'proper control' rule applies to AVs
- ways police can interact with AVs on the road.



Upcoming NTC projects



Changing driver laws to support AVs

Exemption powers and CTP insurance review

Regulatory access to C-ITS and AV data

Creating an end-to-end regulatory system

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Imported and manufactured

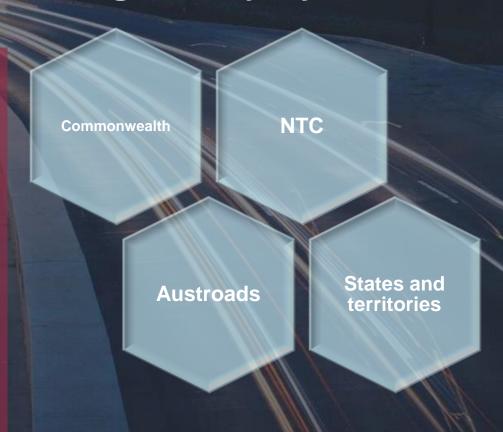
Registration

Licensing

Modification/roadworthiness

On the road

Infrastructure





Parting thoughts...

For more information

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The National Transport Commission leads regulatory and operational reform nationally to meet the needs of transport users and the broader community for safe, efficient and sustainable land transport.

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