

MANTRA

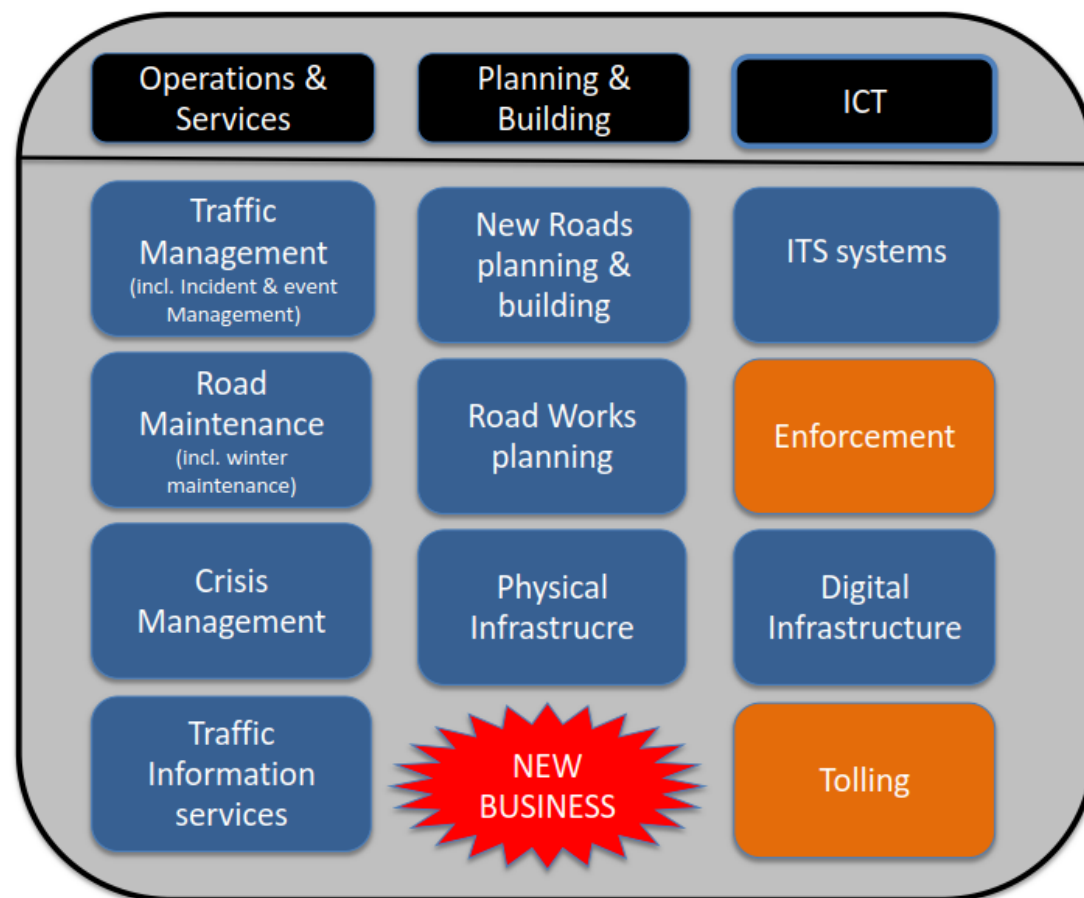
**Roadmap for Adaptation of NRA Core Business
due to Highly Automated Driving
Workshop 13 March 2020**

Workshop instructions

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13 March 2020

- To get road authority expert feedback to the MANTRA D5.1 recommendations for adaptation of NRA core business due to highly automated driving
- This is important for the development of the recommended road map and action plan for road authorities



- Part 1: Identification of actions

Action	2021-25	2026-30
Incident, event, and crisis management		
Harmonised marking of incident sites	Studies, standardisation	Profiling standard level, de
Harmonised management of incident sites	Fine-tuning of processes, proposal for harmonisation	Deployn for harm manage

Do you agree with the actions proposed? Modify or delete!

Add new actions where relevant!

a) Physical road infrastructure

b) Digital road infrastructure

c) Traffic management, information, enforcement

d) Planning, building, maintenance, road user charging

- 3 areas, change area every 15 minutes to cover all areas

- Part 2: What should be done in next 5 and 10 years?

Action	2021-25	2026-30	2031-40
Traffic management and control (continued)			
Digitalise traffic rules and regulations	Studies, pilots, standardisation	Deployment, development & standardisation of Trusted Digital Regulations Access Points (TDRAP)	In use; deployment of secure TDRAPs
Deployment of geofencing for traffic management	Research, pilots for different orientation (safety, emissions, AVs, Non-AVs...); Deployment by fore-runners	Harmonised specifications for TM related geofencing; Deployment in key peri-urban areas	Deployment and use; continuous adaptation of specifications
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Do you agree with the actions proposed and their timing? Modify, postpone or move earlier!

Time also the new actions identified in Part 1!

a) Physical road infrastructure

b) Digital road infrastructure

c) Traffic management, information, enforcement

d) Planning, building, maintenance, road user charging

- Consider actions in **research & innovation, service development, deployment, regulation & standardisation**
- 3 areas, change area every 22 minutes to cover all areas
- If time allows, also mark the priority actions!