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# Land Transport Future Technology Leadership Group

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## Terms of Reference

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### Purpose of the advisory group

To develop and deliver a vision for a future transport technology system (the Land Transport Future Technology programme) that will be:

- customer centred
- affordable
- multi modal
- safe
- responsive
- sustainable, and
- support innovation.

### Functions of the group

The group will oversee the development and implementation of the vision for the use of technology in transport. This will include providing advice on and leading discussion in their sector on the:

- overall design of the future transport technology system
- medium and long term goals for the use of technology in the transport system
- implementation design outcomes
- approach to engagement and communication.

### Background

We are on the cusp of a revolution in the way that transport is delivered and the way we access and use the transport system. The revolution is driven by a convergence of a number of key technological advances:

- the ability to process and communicate increasing amounts of data;
- the widespread use of personal devices which allows the provision of customer centred access and use of that data; and
- advances in software which allows the system itself to become intelligent in the way it responds to the needs of the customers.

The technologies which underpin these advances are moving quickly. If left alone the market is unlikely to deliver a coherent solution for customers. This means that the public sector will need to include the delivery of the key technology platform in its traditional role as the provider of infrastructure. However, the role of the public sector must be designed in a way which supports and does not restrict the ongoing development and innovation of these technologies.

Getting the right balance between effective coordination of opportunities as well as allowing for innovation will require close cooperation between public and private sector players.

## Proposed membership

The group will need to include representatives of the various contributors to the transport technology system:

Data storage	Vehicles
Data security	Physical infrastructure
Data networks	Transport service providers
Platform technologies	Transport regulators
Digital payment systems	Transport investors
User Experience (UX) specialists	Industry bodies (ITS NZ, UXNZ etc)
Sensor providers	
System modelling	

## Timetable

The group, which will be led by the NZ Transport Agency Chief Executive Fergus Gammie and Connected Journeys Director Martin McMullen, will meet monthly from late January 2018. The initial goal for the group will be to prepare a draft Land Transport Future Technologies programme for discussion with a wider group of stakeholders in June 2018.

This is a voluntary role and will rotate between Auckland and Wellington.

## Selection criteria

This will be an influential group which will help to shape the future of New Zealand's investment choices in the technology which supports the land transport system. An open process is being run to select members of the group.

The selection criteria is that the individual:

- is able to contribute at both a strategic and expert level to the conversation
- is recognised and respected as a representative of their sector
- has the support of their organisation to commit the time necessary to actively participate in the group and to liaise with other members of the sector as needed.

## How to apply

If you are interested in being part of the advisory group or would like further information on this opportunity please send an expression of interest or questions to [martin.mcmullan@nzta.govt.nz](mailto:martin.mcmullan@nzta.govt.nz) by 5pm on Monday, 11 December 2017.

You should include in your expression of interest a paragraph which sets your position and area of expertise and provides an example of how you have contributed to a strategic goal in your organisation or sector.