Using the Road Infrastructure Management (RIM) application for DG vehicle movements

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Three things…

1. Introducing Road Infrastructure Management (RIM)

2. Using RIM to map the footprint of DG vehicles

3. What the data’s showing us
What is telematics?

The combined use of *technology* and *telecommunications*...

..to exchange data and between vehicles and other locations
Road Infrastructure Management (RIM)

RIM is a new applications of the National Telematics Framework

One of the 16 initiatives contained in the Business Case approved by the Transport and Infrastructure Council (TIC) in November 2019
Introducing:

Road Infrastructure Management (RIM)

Individual vehicle data from vehicles is collected and shared with TCA.

TCA anonymises and aggregates individual vehicle data.

TCA publishes road use reports for road and infrastructure managers.
National Telematics Framework

Established following a series of decisions made by Responsible Ministers between 2003 and 2008, the Framework consists of:

- Digital infrastructure
- Business rules
- Telematics Data Dictionary
- Telematics Data Exchange
- Privacy by design

Links users, providers and government together
Using RIM for the DG vehicle movement study
What we’ve collated

Positive interaction with the DG industry to obtain data

Consent and data received from 2 operators. Strong support from several others

TCA digested 32MB of data from providers of DG vehicle movements

Here’s some visualisations of the data we’ve collated to date…
Actual analytics view

Dangerous goods vehicles: journey heatmap

Journeys per month
(use only when a single road segment is selected)

Journeys by hour of day
(use only when a single road segment is selected)

This dashboard was prepared by Transport Certification Australia using data supplied by a third party. Data shown is indicative and does not identify individual vehicles. August 2019.
Stoney Creek Road (diversion around M5 Tunnel)

Port Botany precinct

Captain Cook Drive, Kurnell
Higher concentration of DG movements
Wrapping up

What can you see this data being used for?
Thank you!

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