

Can technology deliver productivity, safety and environmental outcomes?

Dr Charles A Karl

General Manager, Development Services Transport Certification Australia

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Transport Certification Australia



- A national government organisation
- TCA provides advice, accreditation and administration services
- Governments recognise that vehicle telematics is an enabler for regulatory reform
- TCA provides assurance to all stakeholders

Managing risk



The effective use of technology provides a negotiating platform for transport operators

There are opportunities to 'squeeze' more access from vulnerable infrastructure.....

.....so long as road managers and transport operators work in partnership to manage risk

Queensland is already making it happen





Queensland is already making it happen



On the **Port of Brisbane to Toowoomba corridor**, transport operators can now carry two 40 foot containers on PBS 2B vehicles up to 79 tonnes gross combination mass (GCM)

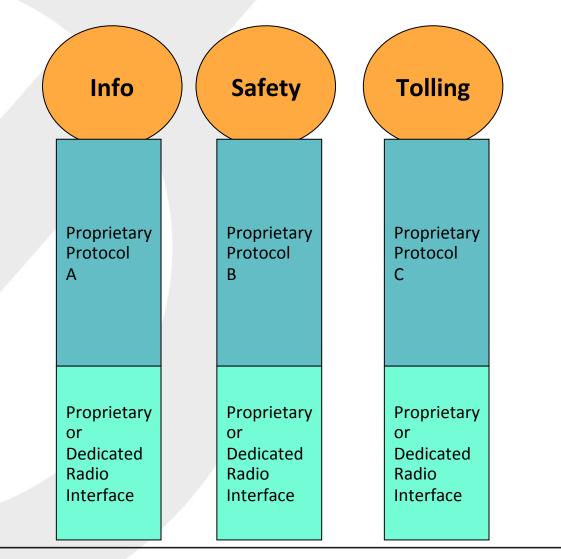
Previously, transport operators were limited to a single combination due to infrastructure limitations

Transport operators are reporting productivity gains of up to:

100% for the carting of grain a reduction in truck trips by 50% a saving in fuel use of up to 40%

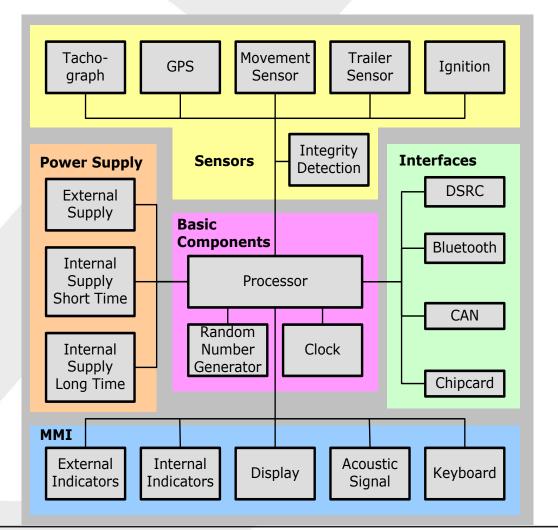
Where we started ...





Components of Swiss unit





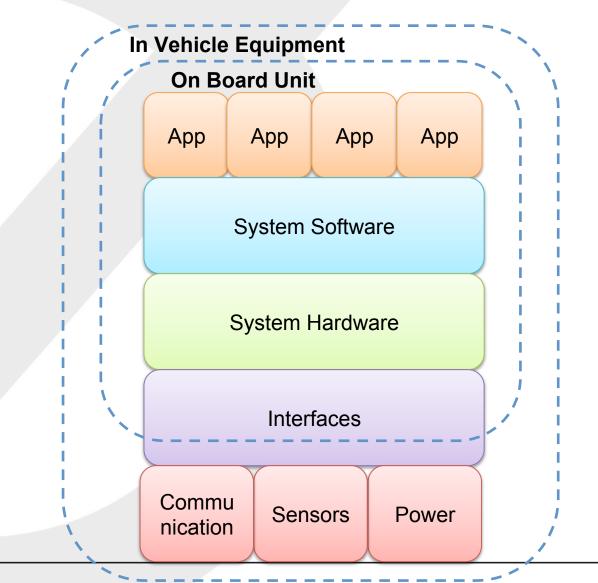




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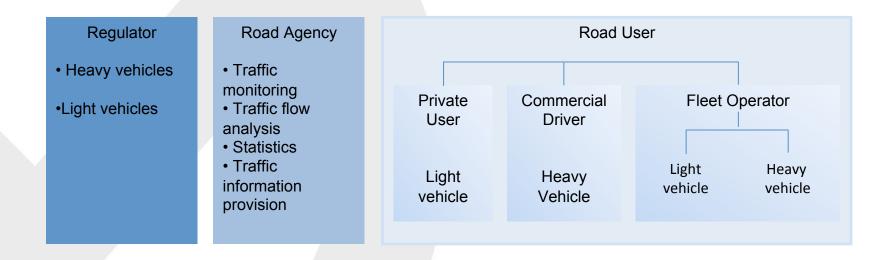
Architecture – platform options





Applications – who benefits?





Sharing of the benefits

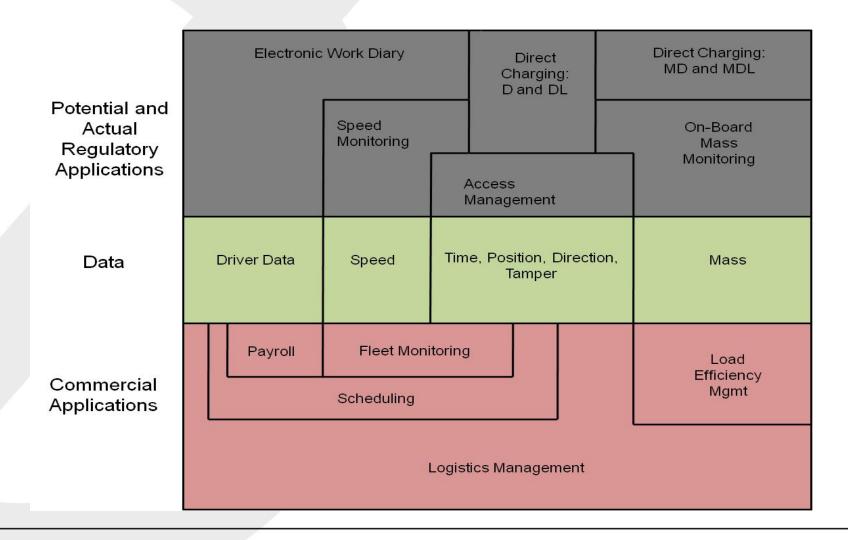


Productivity outcomes

Features of Technology		Transport Operators	Drivers	Regulators
	Safety outcomes			
		Transport Operators	Drivers	Regulators

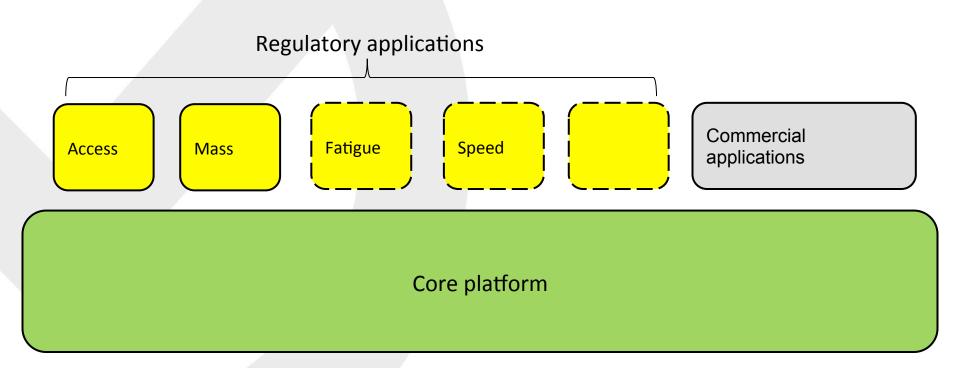


Collect once, use many times



Multi-application platform



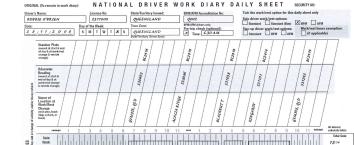


Use case: work diary tachograph



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DETAILS

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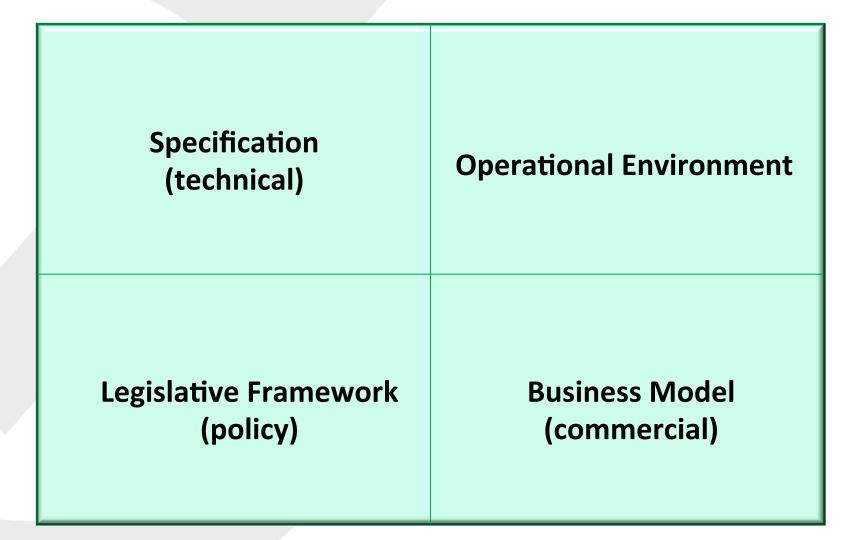








The 4 pillars of the application



ISO Management Systems





Scope of ISO DIS 39001



This International Standard requires that the organisation develops, implements and maintains procedures and processes as part of a safety management system that can be integrated into the organisation's:

- overall governance
- strategy and planning
- management
- reporting procedures
- policies
- values (beliefs and attitudes)
- culture
- legal compliance





- •Imagine the car/truck as another telematics environment, *like the home or workplace*
- In-vehicle plug and play connectivity
- •Regulatory services supporting transport productivity
- Safety applications embedded in the vehicle



Thank you