

Implications of the Intelligent Access Program (IAP) For Local Government//

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Presentation Format//

- ▲ Why the IAP?
- ▲ What is the IAP?
- ▲ About TCA
- ▲ IAP Overview
- ▲ IAP Business Operating Model
- ▲ The Implications for Local Government

Why the IAP?//

- ▲ Roads are by far local government's biggest asset, comprising over 80% by length of Australia's total road network with an estimated value of about \$75bn*.
- ▲ Local roads, owned and managed by local government, provide the first and final link in the complex national freight management task**.
- ▲ The IAP presents local government with a tool and opportunity to work with road authorities to better manage local roads.

* source: Australian Local Government Association website - www.alga.asn.au

** source: *Local Government Roads and Transport strategy: 2006 - 2016*

Can the IAP help?//

▲ Objective

Efficient movement of freight vehicles through local communities in a way which recognises community concerns for safety and amenity.*

▲ Can the IAP help?

The IAP can be used to ensure heavy vehicles are complying with agreed access conditions.

* source: *Local Government Roads and Transport strategy: 2006 - 2016*

Can the IAP help?//

▲ For example, the IAP can:

- help ensure heavy vehicles travelling to an urban or regional freight hub stay on the approved route.
- help ensure heavy vehicles operate during agreed times through a designated route, e.g. not during school hours.
- help ensure heavy vehicles comply with access conditions designed to protect vulnerable infrastructure, e.g. ageing bridges.

Can the IAP help?//

▲ Objective

Fewer vehicles moving more freight, more effectively.

▲ Can the IAP help?

The IAP is being used to support the introduction of initiatives designed to help increase heavy vehicle productivity, such as:

- Higher Mass Limits (HML) and Road Train Modernisation Program in NSW
- Higher Mass Limits (HML) in Queensland

What is the IAP?//

- ▲ The IAP is a voluntary program which provides heavy vehicles with improved access to Australia's road network in return for monitoring of compliance with specific access conditions using vehicle telematics solutions.
- ▲ Administered by Transport Certification Australia Limited (TCA).
- ▲ Put simply, the IAP helps ensure the right vehicle is on the right road at the right time.

About TCA//

- ▲ Established August 2005
- ▲ A fully owned government organisation
- ▲ Owners (Members) are Australian, State & Territory governments
- ▲ TCA's purpose is to:
 - administer the IAP
 - provide other evidentiary standard regulatory telematics solutions for government
 - serve as an independent national certification & audit organisation

What is intelligent access?//

▲ General Access (1st Generation)



What is intelligent access?//

▲ General Access (1st Generation)



▲ Restricted Access (2nd Generation)



What is intelligent access?//

▲ General Access (1st Generation)



▲ Restricted Access (2nd Generation)



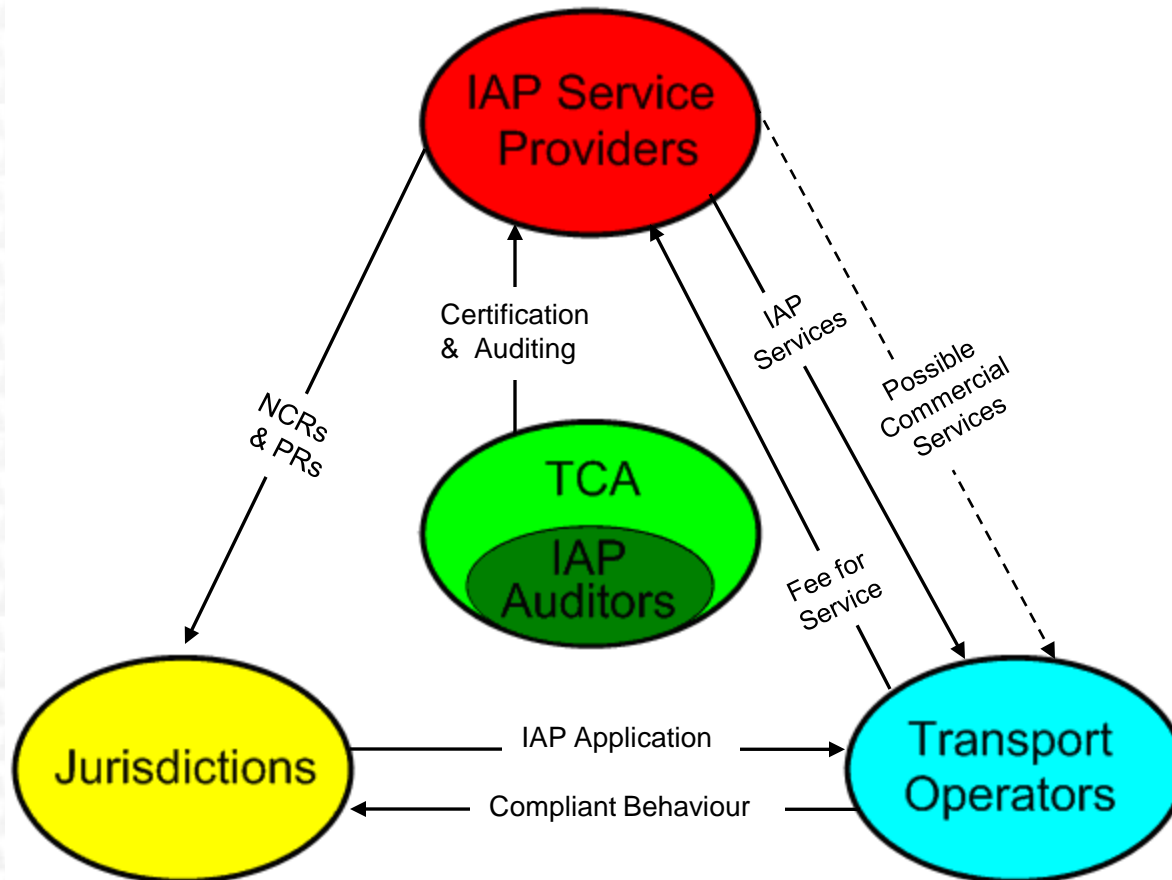
▲ Intelligent Access (3rd Generation)



IAP Overview//

- ▲ IAP is a brand new approach to road management.
- ▲ Uses the Global Navigational Satellite System (i.e. GPS) to monitor heavy vehicles' compliance with access conditions.
- ▲ Gives transport operators flexible access to Australian roads to suit their business and operational needs.
- ▲ Increases regulators' confidence heavy vehicles are complying with agreed access conditions.

IAP Business/Operating Model //



IAP Parameters//

▲ Parameters

- Vehicle and Trailer identification
- Vehicle position (spatial/route compliance)
- Time (temporal compliance)*
- Vehicle speed (gross speed compliance)*
- Tamper evident

▲ Functions

- Self-Declaration Function* (eg. declaration of vehicle configuration, general comments)

▲ Future parameters/functions - driven by policy makers

* based on need of actual IAP Application

IAP is live//

- ▲ The IAP has entered its 'live' phase and is operational.
- ▲ Sigtec Pty Ltd announced as first IAP Service Provider.
- ▲ Further IAP Service Providers announced over the coming months.

IAP Applications (1)//

- ▲ IAP Applications being established include:
 - Higher Mass Limits (HML) route compliance application (New South Wales and Queensland)
 - Road Train Modernisation Program application (New South Wales)
 - Mobile Crane route and hours compliance application (Victoria)
- ▲ Road authorities are free to develop tailored IAP Applications which meet their own policy needs

IAP Applications (2)//

- ▲ Tasmanian Government funds 635 contracts for school bus and route bus services provided by over 200 contractors
- ▲ IAP is to be used as a contract management tool to ensure route and timetable compliance



IAP and opportunities for local government (1)//

- ▲ IAP offers local government an opportunity to work with its road authority to better manage local roads
- ▲ IAP is a compliance monitoring tool which can support:
 - better asset management
 - greater capacity where appropriate
 - safer, more productive and compliant heavy vehicle operation
 - management of community concerns regarding heavy vehicle movements

IAP and opportunities for local government (2)//

▲ Penrith City Council, NSW

- A mixture of residential and industrial areas.
- Actively promoting industry due to proximity to the Sydney Orbital Network, and the new M7.
- Recognises the need to carefully manage access by identifying key freight corridors and access roads to industrial areas.
- Acknowledges risks associated with heavy vehicles deviating from 'approved industry corridors' into residential areas can be better managed through the IAP.

IAP and opportunities for local government (3)//

▲ Parkes Shire Council, NSW

- Identified both benefits & challenges of being a ‘central’ point between SA, VIC, QLD & NSW capital cities.
- Parkes Multi-Modal Transport HUB.
- New industrial area to handle large volume of road & rail transport.
- Four HML routes already approved, including Newell Highway to HUB.
- Seeking to meet access needs of HUB while protecting Parkes residential areas.

The implications for local government (1)//

- ▲ The IAP addresses a real challenge facing Australia
- ▲ It is a compliance monitoring tool that can provide:
 - improved productivity
 - improved road safety
 - reduction in infrastructure wear
 - reduction in environmental effects
 - better management of public expectations
 - optimisation of the road freight policy and operations tasks

The implications for local government (2)//

- ▲ Local governments manage the majority of the Australian road network.
- ▲ Enhanced road access arrangements can be provided for selected access roads. These arrangements need not apply to the entire local road network.

Working with local government //

- ▲ Australian Local Government Association a member of the IAP Jurisdiction Liaison Group (JLG).
- ▲ TCA ready to assist local governments with IAP information.
- ▲ A range of information available from the dedicated IAP website:

www.IAP.gov.au