

# Intelligent Access Program – Third Generation of Access To Australia's Road Network

**John Baring**

National Manager, Stakeholder Relations

VTA Long Distance Group Meeting

Thursday, 8 June 2006

# Presentation Format

- About Transport Certification Australia Limited (TCA)
- What is the challenge facing Australia's freight task
- What is the Intelligent Access Program (IAP) – why is it needed and how does it address the challenge
- How will the IAP work
- IAP Benefits

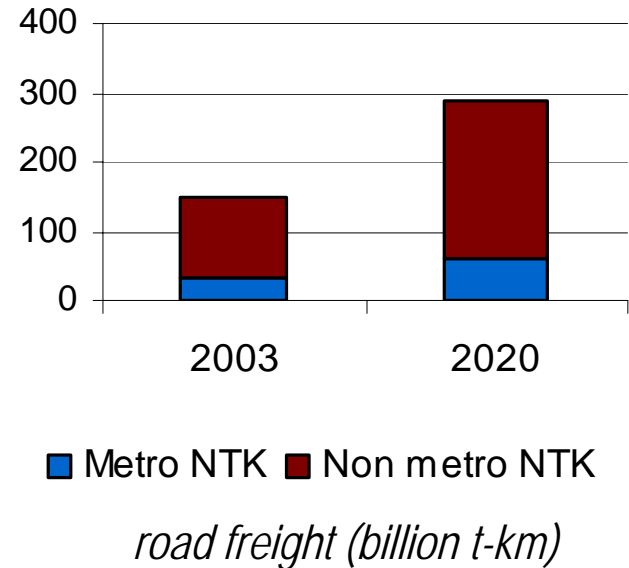


- Established (15 August 2005) as a Public Company under Corporations Act (Cth)
- Members (owners) comprise Australian, State and Territory Governments
- TCA's purpose is to serve its Members and the Community by:
  - supporting the development and implementation of the IAP; and
  - ensuring IAP Service Providers are certified and audited.
- Independent National Certification & Audit Organisation



# Twice the Freight Task

- Land transport task to double (2000 – 2020)
- 1 in 4 vehicles in our cities carrying freight by 2020
- Do nothing is *not* an option
- Optimise the network solution



BUT – this is also  
today's challenge!

- Requests for improved access
- Requests for different vehicle configurations
- Requests for additional mass



*Governments Adopt a Risk  
Management Approach*



# What is the Intelligent Access Program?

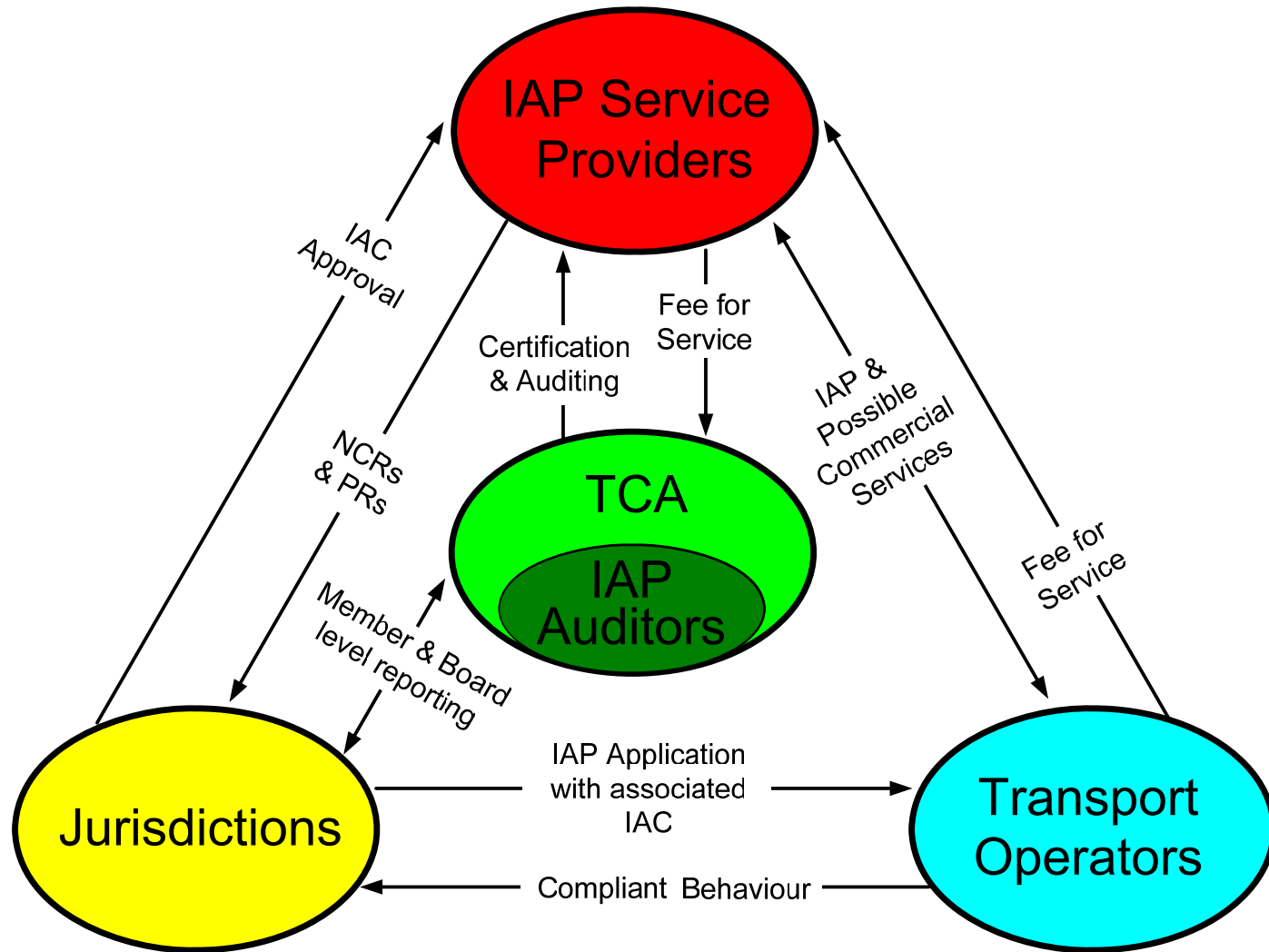
- A voluntary program that remotely monitors heavy vehicles to ensure they are complying with their improved and permitted operating conditions ensuring they operate how, where and when they should
- IAP provides a mechanism to manage the growing freight task
- IAP provides a 'win – win' outcome to all participants



- TCA does not:
- Control access to the road network
  - Identify and implement specific IAP applications
  - Negotiate jurisdictional or cross-jurisdictional access conditions
  - Determine sanctions against transport operators



# IAP Operating Model



# Monitoring Parameters – IAP Stage 1

- Vehicle and Trailer identification
- Vehicle position (route compliance)
- Vehicle time (temporal compliance)
- Vehicle speed (gross speed compliance)
- Tampering



- Jurisdictions pay for services provided to them by TCA
- IAP Service Providers will pay for their
  - Certification (\$134K rebate to \$50K)
  - on-going review and audit (\$33 per month per vehicle rebate to \$20 per month per vehicle in 2007)
- These fees are not payable by transport operators
- Transport operators need to negotiate any fees with their chosen IAP Service Provider (including any commercial services)



# HML/IAP business case

- B-Double (with road friendly suspension)
- HML will allow increased payload of (up to) 5.5 tonnes into Sydney
- Conservative estimate
- Assume extra payload of only 4 tonnes
- Assume no additional freight on return trip

INDICATIVE IAP AND RELATED COSTS	INDICATIVE ANNUAL FIGURE
Cost of in-vehicle unit (\$1500 - \$2500 amortised over 2 years)	\$1,000
IAP Service Provider fee (for combined IAP and commercial services) - \$120 per month (\$33 x 2.5 + \$40 ≈ \$120)	\$1,440
<u>Additional</u> fuel consumption (3 litres / 100km*) - \$40 per trip x 16 trips * Source: ARRB Vehicle Operating Costs Model	\$640
<b>TOTAL</b>	<b>\$3,080</b>



# HML/IAP business case

- Assuming freight rate of \$50 per tonne (Source: Transport Industry)
- Trips needed to fully cover annual IAP and commercial telematics services:

\$3,080

---

\$50 per tonne x 4 tonnes

**= 16 trips per year**



- Incorporate IAP as part of a solution to gain enhance or improved access to the road by showing compliant behaviour
- Can negotiate specific access conditions with road authorities to suit their specific business operations
- IAP Applications may suit some transport operators but not others
- By participating in the IAP you can better match the vehicle to the network
- Increases business performance opportunities, safety, efficiency and productivity
- Make a commercial decision to determine if the benefits of joining an IAP Application outweigh the costs of participation



- Transport Certification Australia is here
- Its first mass-market IAP Application is being implemented
- IAP is a new compliance tool providing benefits and opportunities to all stakeholders
- Pricing is reasonable and affordable
- Roll-out - commence Service Provider certification in 2006/2007
- TCA website:

[www.tca.gov.au](http://www.tca.gov.au)

Sign up to our News Alert service

