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Australian Government Transition to IPv6

Prepared for:

Australian IPv6 Summit
Melbourne 8-9 December 2009

Darren Beauchamp
Director
Architecture and Standards
Australian Government Information Management
Office
Department of Finance & Deregulation
Darren.beauchamp@finance.gov.au

John Hillier
Assistant Director
Architecture and Standards
Australian Government Information Management
Office
Department of Finance & Deregulation
John.hillier@finance.gov.au

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Objective

- Who we are & what we do.
- History of the Australian Government IPv6 Transition Strategy.
- The Strategy in more detail.
- Monitoring Progress.
- Governance.

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Who we are:

AGIMO [əˈdʒimoʊ] n.

Australian Government Information Management Office

ə	as in 'apart'
ˈ	(stress on the next syllable)
dʒ	as in 'jolly'
i	as in 'neat'
m	as in 'mile'
oʊ	as in 'hoe'

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What we do:

- Work across the Commonwealth Government
- Provide advice, tools, information and services to government agencies.
- Work with governments and other bodies at the local, state, national and international levels.
- Develop whole-of-government policies & strategies:
  - Enterprise Architecture
  - Govt 2.0
  - ICT procurement
  - e-government

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How the Strategy came to be:

- **2006:**
  Chief Information Officer Committee (CIOC) requested AGIMO develop a Whole-of-Government IPv6 Transition Strategy.
- **April 2007:**
  Established IPv6 Reference Group. The reference group developed the IPv6 Transition Strategy.
- **2007/2008:**
  ISPs and Telcos surveyed on their plans for IPv6.
- **December 2007:**
  CIOC endorsed Transition Strategy.
- **January 2008:**
  Community of Expertise (CoE) established to assist agencies and consider whole-of-government issues.

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What Changed in 2008

- Industry and governmental developments (e.g.OECD meeting in Seoul).

- Strategy revised by CoE.

- Work plan developed.

- Revised Strategy and Work Plan endorsed by CIOC.

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The Revised Strategy

Goal: To ensure Government services remain accessible to all citizens, regardless of what internet protocol they use.

- Maintaining connectivity for and with citizens.

- Maintaining interoperability.

- Maintaining security.

- Leveraging agency ICT refresh cycles.

- Take advantage of industry developments.

- A planned, controlled, and fiscally responsible approach.

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Changes from original Strategy:

- Target dates for completion brought forward from end 2015 to end 2012.

- Work Plan developed to give agencies detailed information on tasks and milestones.

- Quarterly survey of agencies introduced.

- Development of Government Advisory papers covering issues:
  - IPv6 Capability and Compliance
  - IPv6 Security
  - Address Space Acquisition

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Key elements of the revised strategy

- Three Stages:
  - Preparation.   end 2009   No Change
  - Transition.   end 2011   Brought forward from 2012
  - Implementation. end 2012   Brought forward from 2013-2015

- Timing is now more closely aligned with industry upgrades.

- More practical guidance to agencies

- More practical milestones.

- Quarterly reporting by agencies.

- Consolidated reports.

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Preparation stage (To be completed end 2009)

Major activities/milestones:
  - Procurement Policy review;

  - Stock take of current ICT infrastructure;

  - Stock take of critical applications;

  - Training and Training Needs Analysis; and

  - Commence progressive installation of IPv6 capable equipment.

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Transition stage (2010 & 2011)

- Major activities/milestones:
  - Continued Upgrade of ICT hardware;

  - Upgrade of critical applications;

  - Upgrade of operating systems;

  - Upgrade of ICT gateways; and

  - Networks certified.

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Implementation stage (2012)

- Major activities/milestones:
  - Finalise whole-of-government implementation approach and schedule;

  - Confirmation of agency readiness;

  - Notification to agencies to enable IPv6-capability; and

  - Report on completion of Strategy

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2009 Progress to date

- Revised Strategy and Work Plan sent to all Government CIOs.

- Revised Strategy sent to industry groups, other governments and internationally.

- Quarterly survey introduced.

- Reports sent to Government on agency progress against milestones.

- Revised Strategy documentation available at
 http://www.finance.gov.au/e-government/infrastructure/internet-protocol-version-6.html

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2009 Surveys

- April 2009. Baseline established.

- July 2009. Monitors progress against milestones.

- October 2009. Progress continues.

- AGIMO working with agencies to maintain momentum.

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Governance
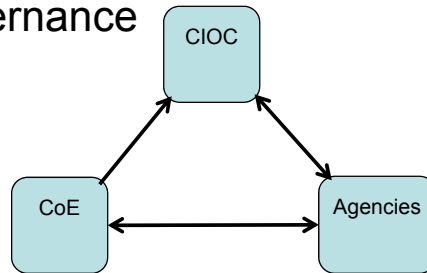
- Chief Information Officer Committee responsible.

- Community of Expertise to guide and assist.

- Agencies responsible for implementation locally.

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QUESTIONS?