



Australian Government
Department of Finance and Deregulation

1

Australian Government Transition to IPv6

'Building Capacity for Future Innovation'

Prepared for:
Australian IPv6 Summit
Melbourne 18-20 October 2010

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

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



Australian Government
Department of Finance and Deregulation

Overview

AGIMO

- Who we are
- Our involvement with IPv6

The Government's Transition to IPv6

- Approach
- Progress
- Future Steps



Australian Government
Department of Finance and Deregulation

AGIMO

(Australian Government Information Management Office)

Who we are:

- Business Unit of the Department of Finance and Deregulation

What we do:

- Facilitate effective and efficient use of ICT by the Australian Government through:
 - Policy
 - Procurement
 - Advice, tools and information
 - E-government
 - Gov 2.0





Australian Government
Department of Finance and Deregulation

AGIMO's involvement with IPv6

- Citizen access to government services.
- IPv6 transition strategy development and maintenance.
- Monitoring and reporting on progress.
- Knowledge sharing through CoE.
- Monitoring international trends.



Australian Government
Department of Finance and Deregulation

Government Transition to IPv6

Approach

- Transition Strategy (reviewed annually)
 - Developed 2007
 - Revised 2008
- Work plan for agencies (reviewed annually)
 - Revised Dec 2009



Australian Government
Department of Finance and Deregulation

Government Transition to IPv6

Three Stages

- Stage 1: Preparation (Jan 2008 - Dec 2009)
- Stage 2: Transition (Jan 2010 - Dec 2011)
- Stage 3: Implementation (Jan 2012 - Dec 2012)

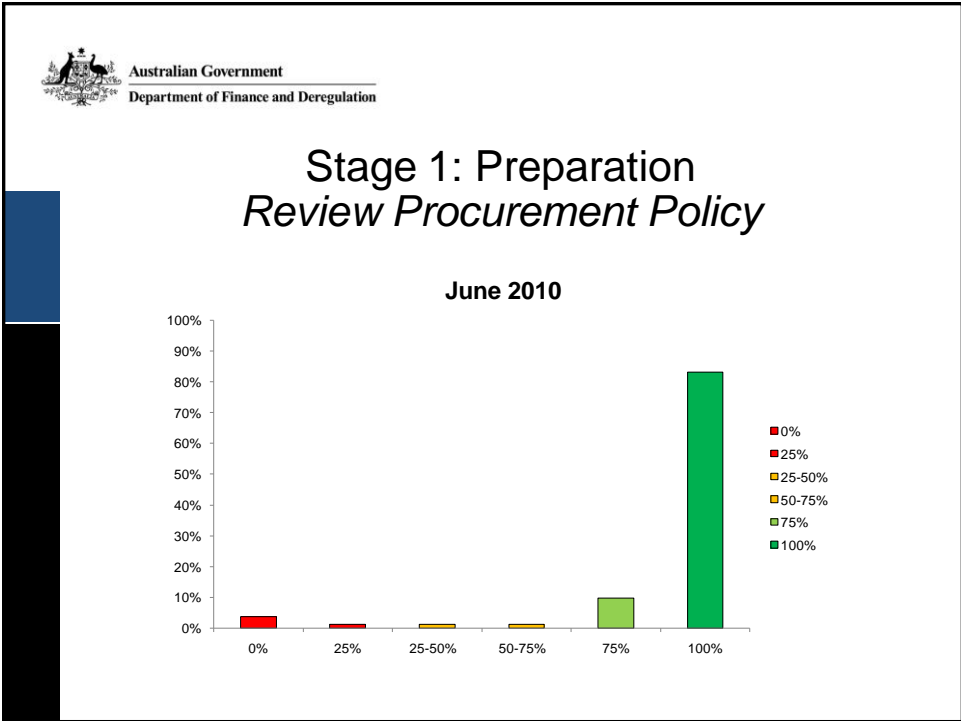
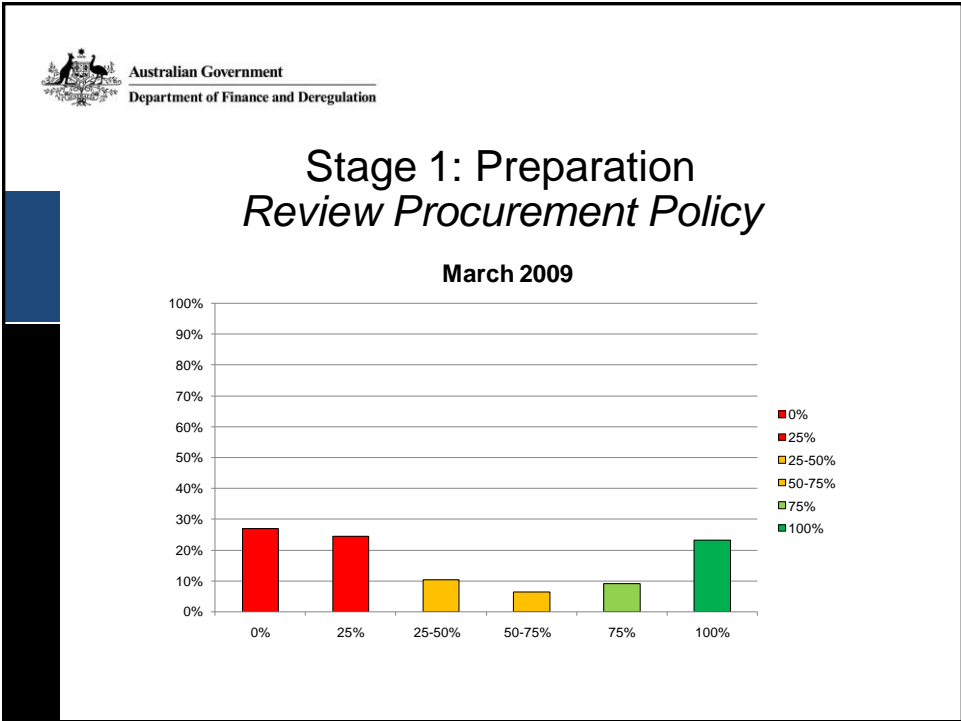


Australian Government
Department of Finance and Deregulation

Government Transition to IPv6: Stage 1

Preparation: Jan 2008 – Dec 2009

- Review Procurement Policy.
- Stocktake of Equipment.
- Stocktake of Applications.

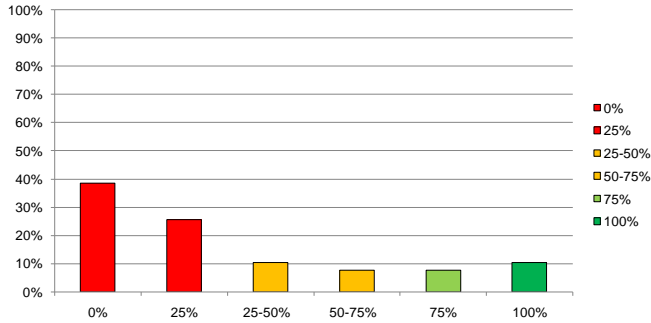




Australian Government
Department of Finance and Deregulation

Stage 1: Preparation *Stocktake of Equipment*

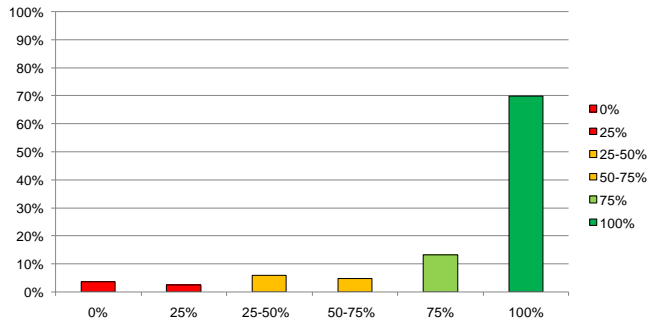
March 2009



Australian Government
Department of Finance and Deregulation

Stage 1: Preparation *Stocktake of Equipment*

June 2010

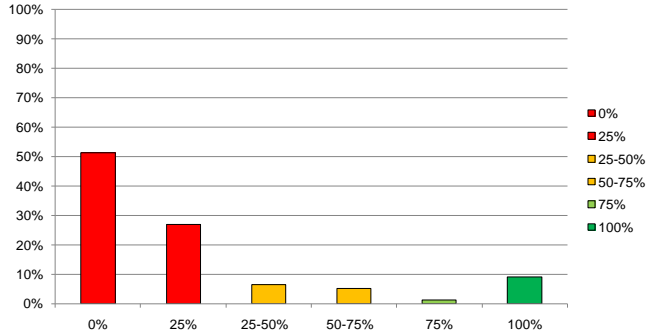




Australian Government
Department of Finance and Deregulation

Stage 1: Preparation *Stocktake of Applications*

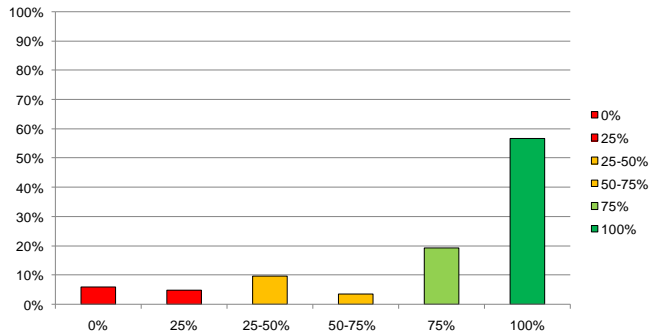
March 2009



Australian Government
Department of Finance and Deregulation

Stage 1: Preparation *Stocktake of Applications*

June 2010





Australian Government
Department of Finance and Deregulation

Government Transition to IPv6: Stage 2

Transition: Jan 2010 – Dec 2011

- Upgrade of ICT Hardware to be IPv6 ready.
- Applying For and Reserving IPv6 Address Space.
- Upgrade of Operating Systems to be IPv6 ready.
- Upgrade of Applications to be IPv6 ready.
- Upgrade of Gateways to be IPv6 ready.

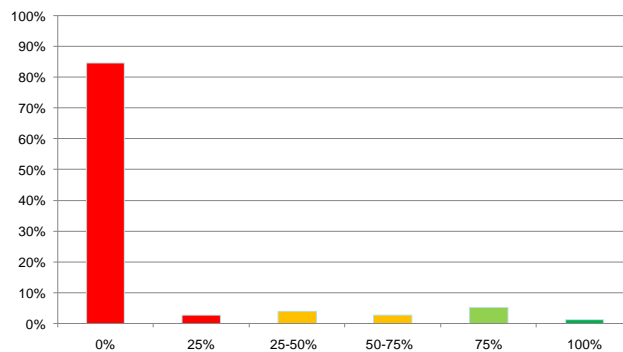


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of ICT Hardware to be IPv6 Ready

March 2009



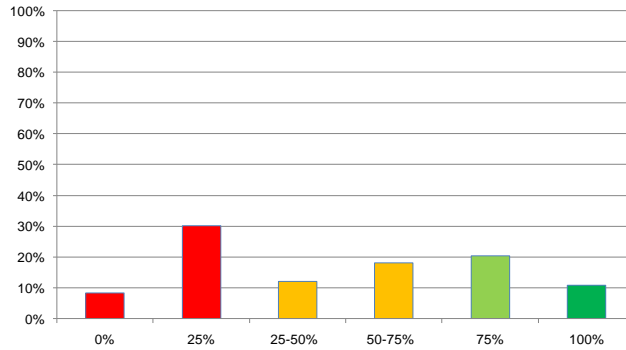


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of ICT Hardware to be IPv6 Ready

June 2010

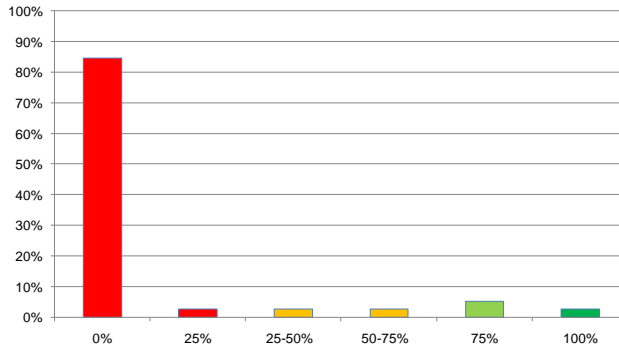


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of Operating Systems to be IPv6 ready

March 2009



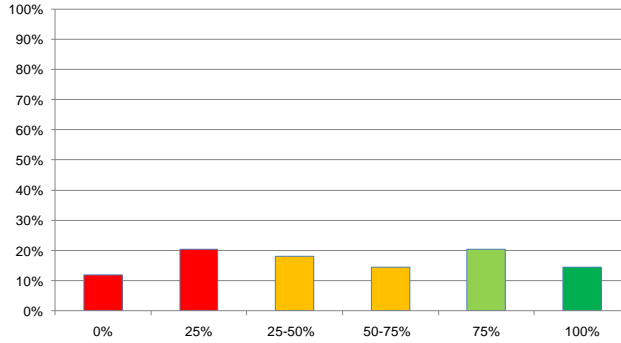


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of Operating Systems to be IPv6 ready

June 2010

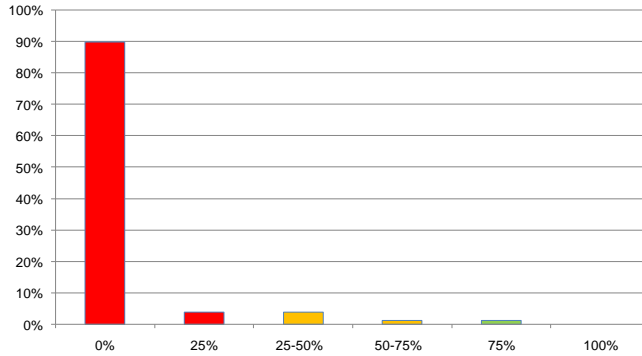


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of Applications to be IPv6 ready

March 2009

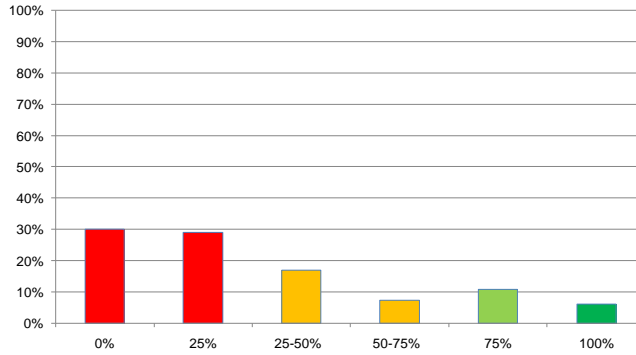




Australian Government
Department of Finance and Deregulation

Stage 2: Transition *Upgrade of Applications to be IPv6 ready*

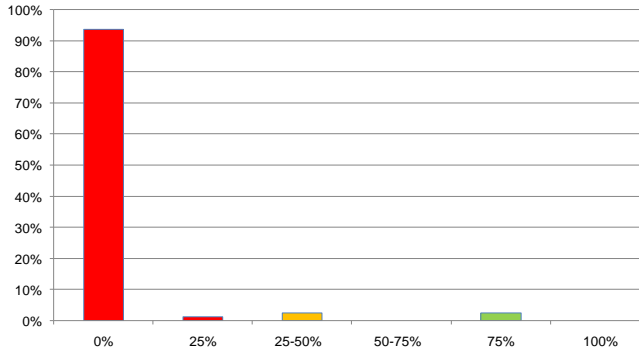
June 2010



Australian Government
Department of Finance and Deregulation

Stage 2: Transition *Upgrade of ICT Gateways to be IPv6 ready*

March 2009



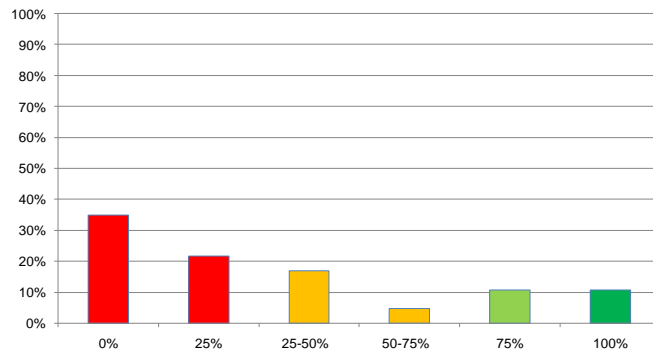


Australian Government
Department of Finance and Deregulation

Stage 2: Transition

Upgrade of ICT Gateways to be IPv6 ready

June 2010



Australian Government
Department of Finance and Deregulation

Government Transition to IPv6: Stage 3

Implementation: (Jan 2012 – Dec 2012)

- Agencies to be IPv6 ready.
- Agency enablement of IPv6.
- Reporting complete.



Australian Government
Department of Finance and Deregulation

Future Steps

- Complete annual review of work plan.
- Monitor agencies progress to ensure compliance with target dates.
- Maintain currency of information on major issues affecting transition strategy.
- Assist agencies with whole-of-government issues.
e.g. security requirements.
- Finalise implementation stage.



Australian Government
Department of Finance and Deregulation

QUESTIONS?