



Australian Government
Department of Finance and Deregulation

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Australian Government Transition to IPv6

'Building Capacity for Future Innovation'

Prepared for:
Australian IPv6 Summit
Melbourne 18-20 October 2011

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Overview

AGIMO

- Who we are
- Our involvement with IPv6

The Government's Transition to IPv6

- Approach
- Progress
- Future Steps



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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



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AGIMO's involvement with IPv6

- Citizen access to government services is maintained.
- IPv6 transition strategy development and maintenance.
- Monitoring and reporting on progress.
- Knowledge sharing through Community of Expertise.
- Monitoring international trends.



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Agencies that are implementing the IPv6 Transition Strategy

- All 107 *Financial Management and Accountability Act FMA Act* agencies
- Includes Departments' of Defence, Foreign Affairs and Trade, Human Services, Finance and Deregulation, Broadband Communications and the Digital Economy.
- Smaller agencies such as Wheat Export Australia, Australian Organ and Tissue Authority.



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Government Transition to IPv6

Approach

- Transition Strategy (reviewed annually)
 - Developed 2007
 - Revised 2008
 - Revised 2009
- Work plan for agencies (reviewed annually)
 - Developed 2009
 - Revised 2009/10
 - Revised 2010/11



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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)



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Government Transition to IPv6: Stage 1

Preparation: Jan 2008 – Dec 2009

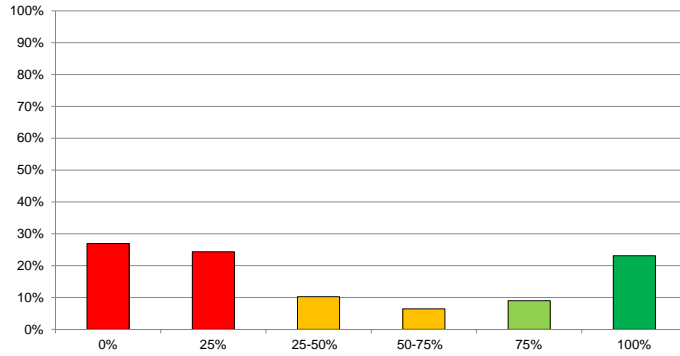
- Review Procurement Policy.
- Stocktake of Equipment.
- Stocktake of Applications.



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Stage 1: Preparation *Review Procurement Policy*

March 2009

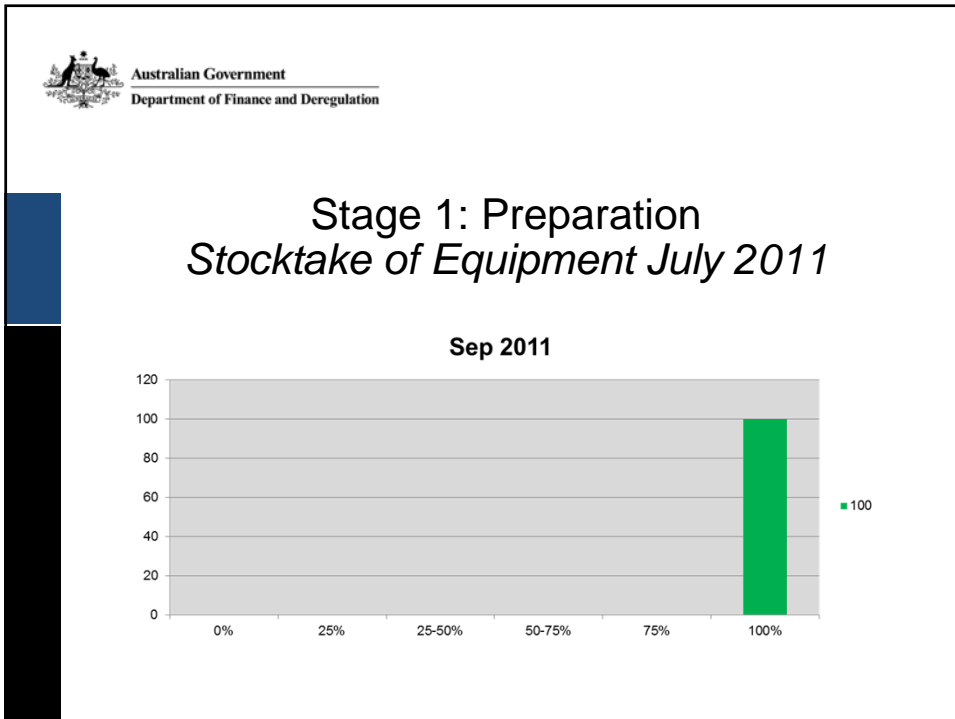
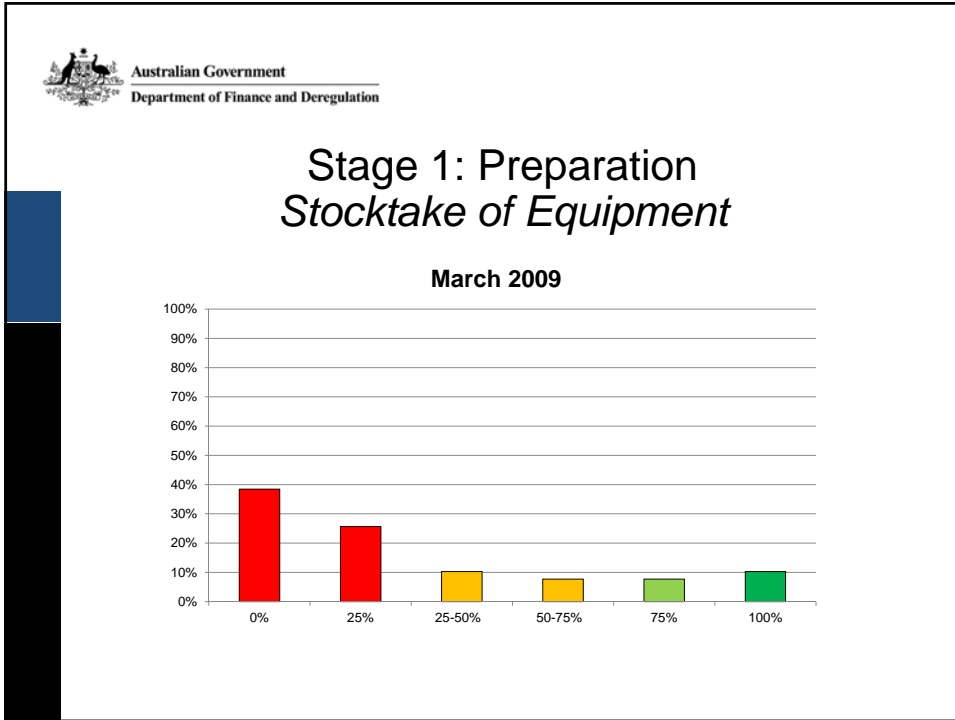


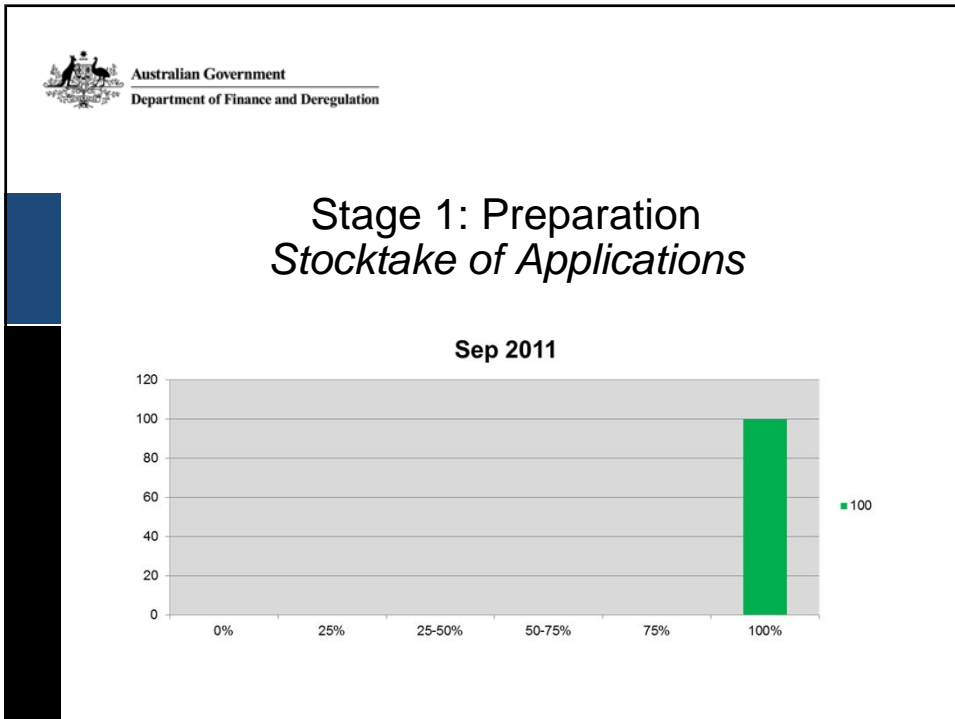
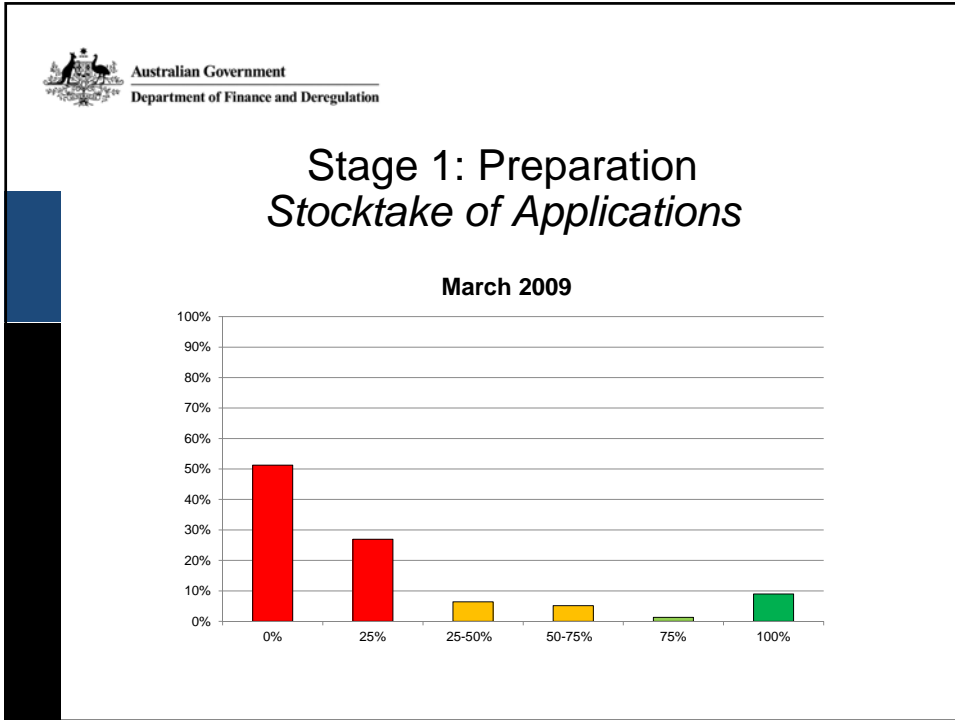
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Stage 1: Preparation Review Procurement Policy July 2011

Stage 1 Preparation Review Procurement policy









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Government Transition to IPv6: Stage 2

Transition: Jan 2010 – Dec 2011

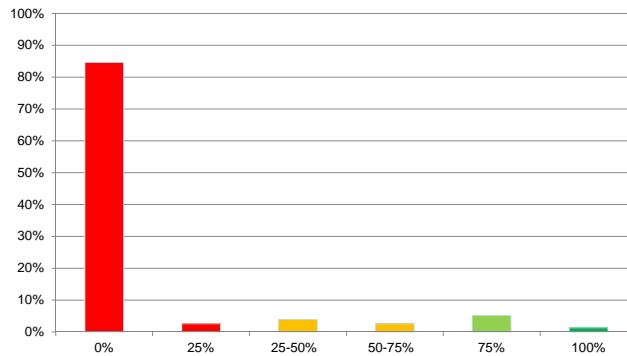
- Upgrade of ICT Hardware to be IPv6 ready.
- Applying For and Reserving IPv6 Address Space.
- Upgrade of Operating Systems to be IPv6 ready.
- Upgrade of Applications to be IPv6 ready.
- Upgrade of Internet Gateways to be IPv6 ready.



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Stage 2: Transition *Upgrade of ICT Hardware to be IPv6 Ready*

March 2009

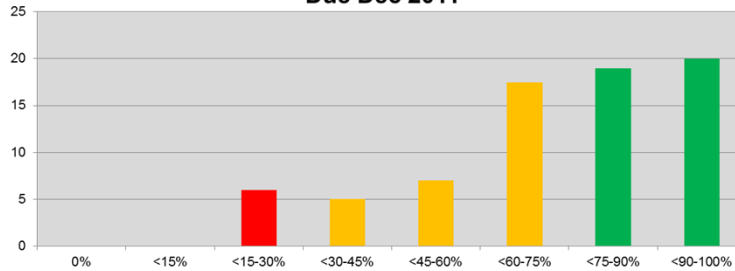




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Stage 2: Transition *Upgrade of ICT Hardware to be IPv6 Ready* July 2011

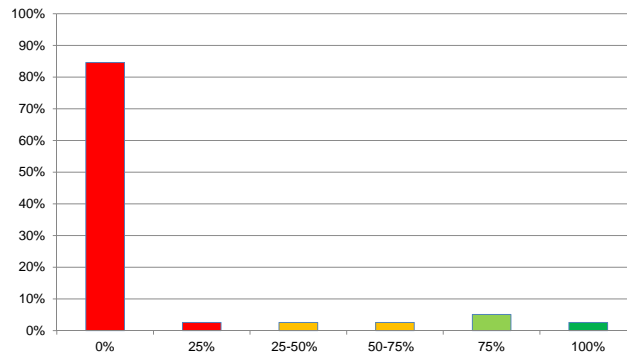
Due Dec 2011



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Stage 2: Transition *Upgrade of Operating Systems to be IPv6 ready*

March 2009

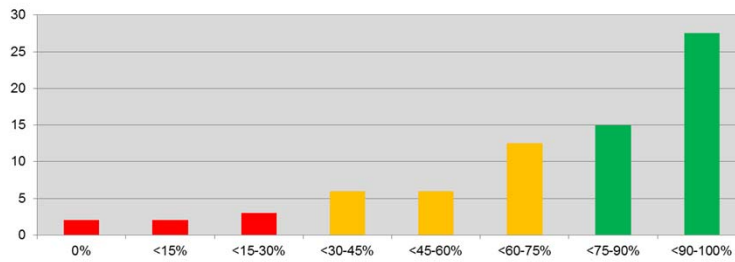




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Stage 2: Transition *Upgrade of Operating Systems to be IPv6 ready* July 2011

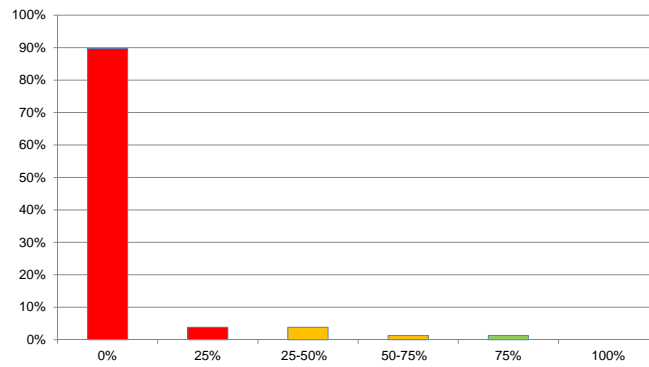
Due Dec 2011



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Stage 2: Transition *Upgrade of Applications to be IPv6 ready* March 2009

March 2009





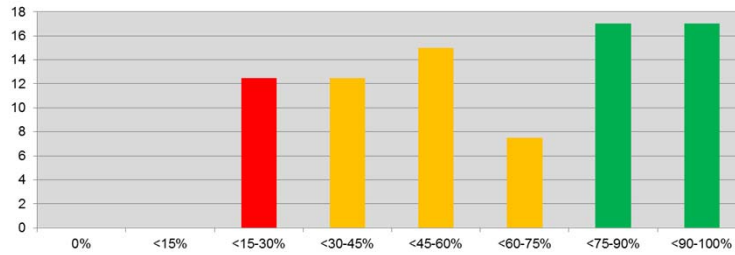
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Stage 2: Transition

Upgrade of Applications to be IPv6 ready

July 2011

Due Dec 2011

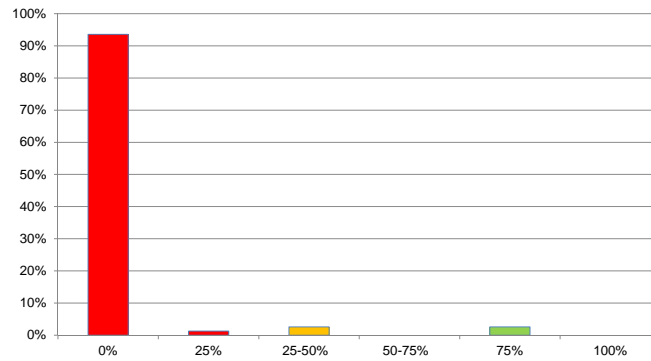


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Stage 2: Transition

Upgrade of ICT Gateways to be IPv6 ready

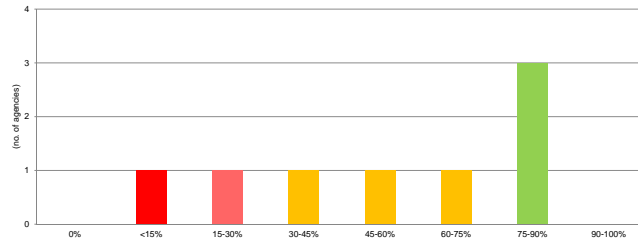
March 2009





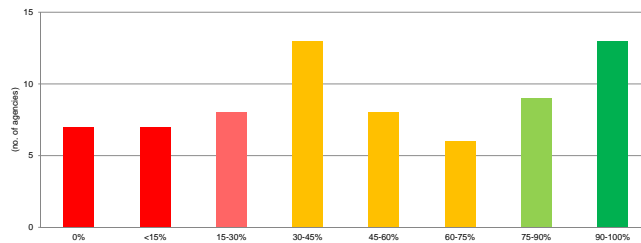
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Upgrade of ICT Gateways to be IPv6 Ready (Lead agencies) (Implementation Stage - due 30 June 2012)



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Upgrade of ICT Gateways to be IPv6 Ready (Client agencies) (Implementation Stage - due 31 Dec. 2012)

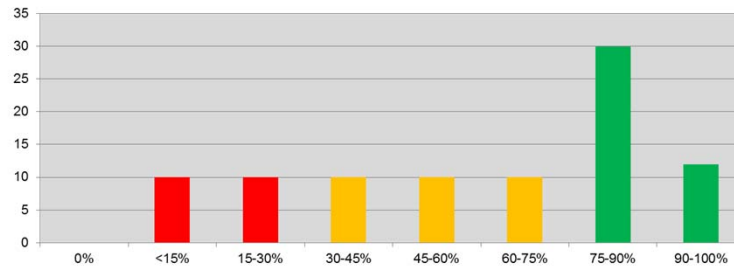




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Upgrade of ICT Gateways to be IPv6 ready by 2012

Due Dec 2012



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Government Transition to IPv6: Stage 3

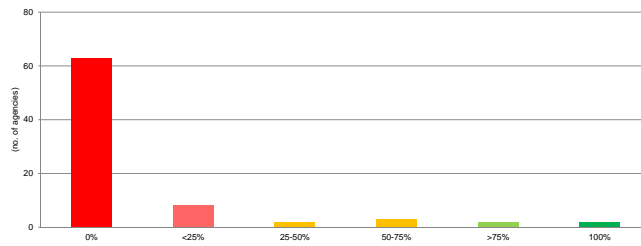
Implementation: (Jan 2012 – Dec 2012)

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



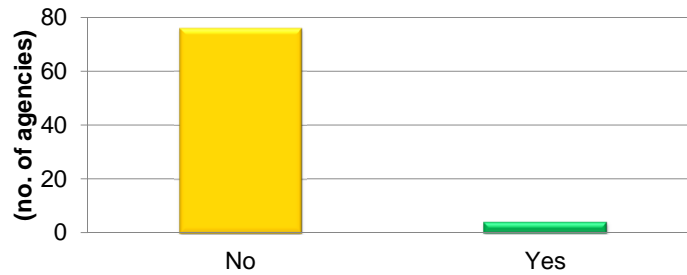
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Agencies' systems to be IPv6 ready (Implementation Stage - due 31 Dec. 2012)



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External IPv6 Network Enabled (Implementation Stage - due 31 Dec. 2012)





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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.



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QUESTIONS?