



Australian Government

Department of Finance and Deregulation

Australian Government Information Management Office

Australian Government Transition to IPv6

'Building Capacity for Future Innovation'

Prepared for:

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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 Group of the Department of Finance and Deregulation

What we do:

- Facilitate effective and efficient use of ICT by the Australian Government through:
 - Policy development, in areas such Big Data, Mobility, Data Sovereignty
 - Procurement advice, tools and information
 - The APS ICT Strategy
 - Implementation of W-o-G ICT policies



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AGIMO's role in the Government's implementation of IPv6

- Develop the IPv6 Transition Strategy and Work Plan documents
- Monitor and report on agencies progress.
- Knowledge sharing through Community of Expertise.
- Monitor international trends.



Who is rolling out IPv6 in Government

- All 110 *Financial Management and Accountability Act* (FMA Act) agencies
- Larger agencies such as the Departments' of Defence; Foreign Affairs and Trade; Human Services, Finance and Deregulation; Broadband, Communications and the Digital Economy; and the Australian Taxation Office.
- Smaller agencies such as Australian Organ and Tissue Authority; the National Capital Authority; and the Australian Sports Anti-Doping Authority.
- The *Commonwealth Authorities and Company Act* (CAC Act) agencies use the strategy as best practice and agencies such as CSIRO are active in the Government IPv6 community.



Our approach

Transition Strategy (reviewed annually)

- Developed 2007 by IPv6 Community of Interest (CoE) / Endorsed by Chief Information Officer Committee (CIOC)
- Revised 2008 by IPv6 CoE/Endorsed by CIOC
- Revised 2009 by IPv6 CoE/Endorsed by CIOC
- Reviewed 2010 by IPv6 CoE retains its currency

Work plan for Agencies (reviewed annually)

- Developed 2009 by CoE/Endorsed by CIOC
- Revised 2009/10 by CoE/Endorsed by CIOC
- Revised 2010/11 by CoE retains its currency



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

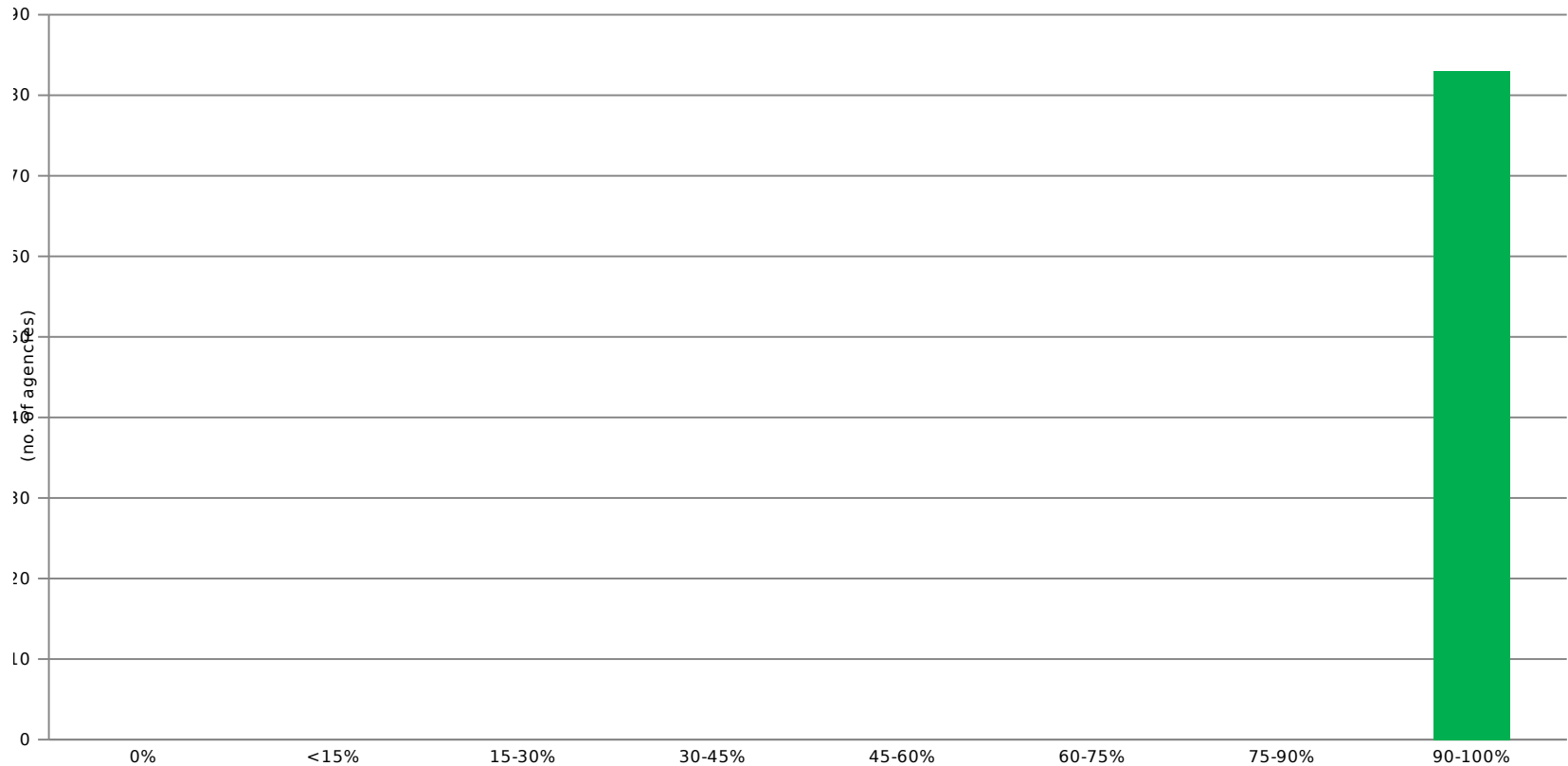
Preparation: Jan 2008 – Dec 2009

Tasks:

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

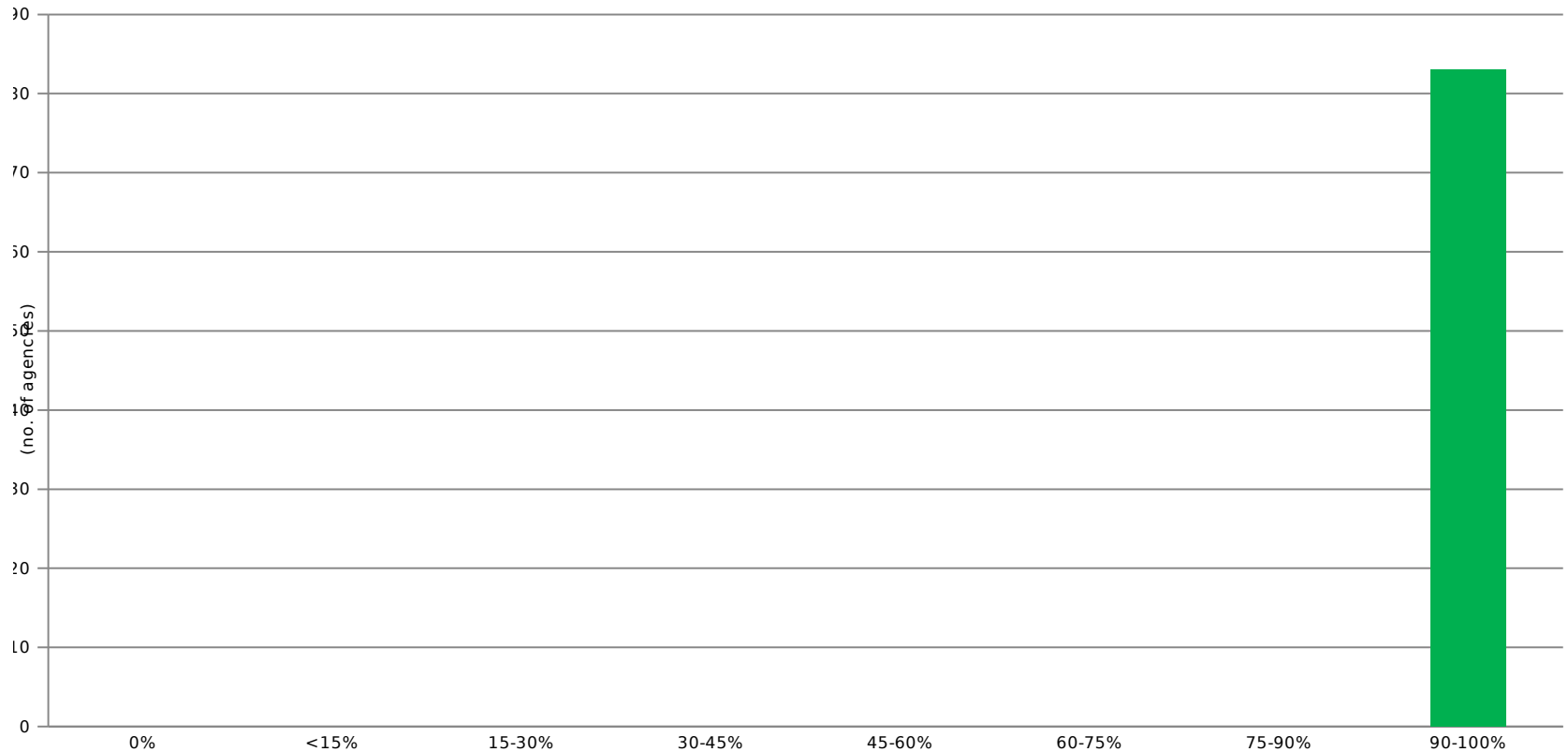


Results of Stage 1: Preparation Due End 2009 Review Procurement Policy



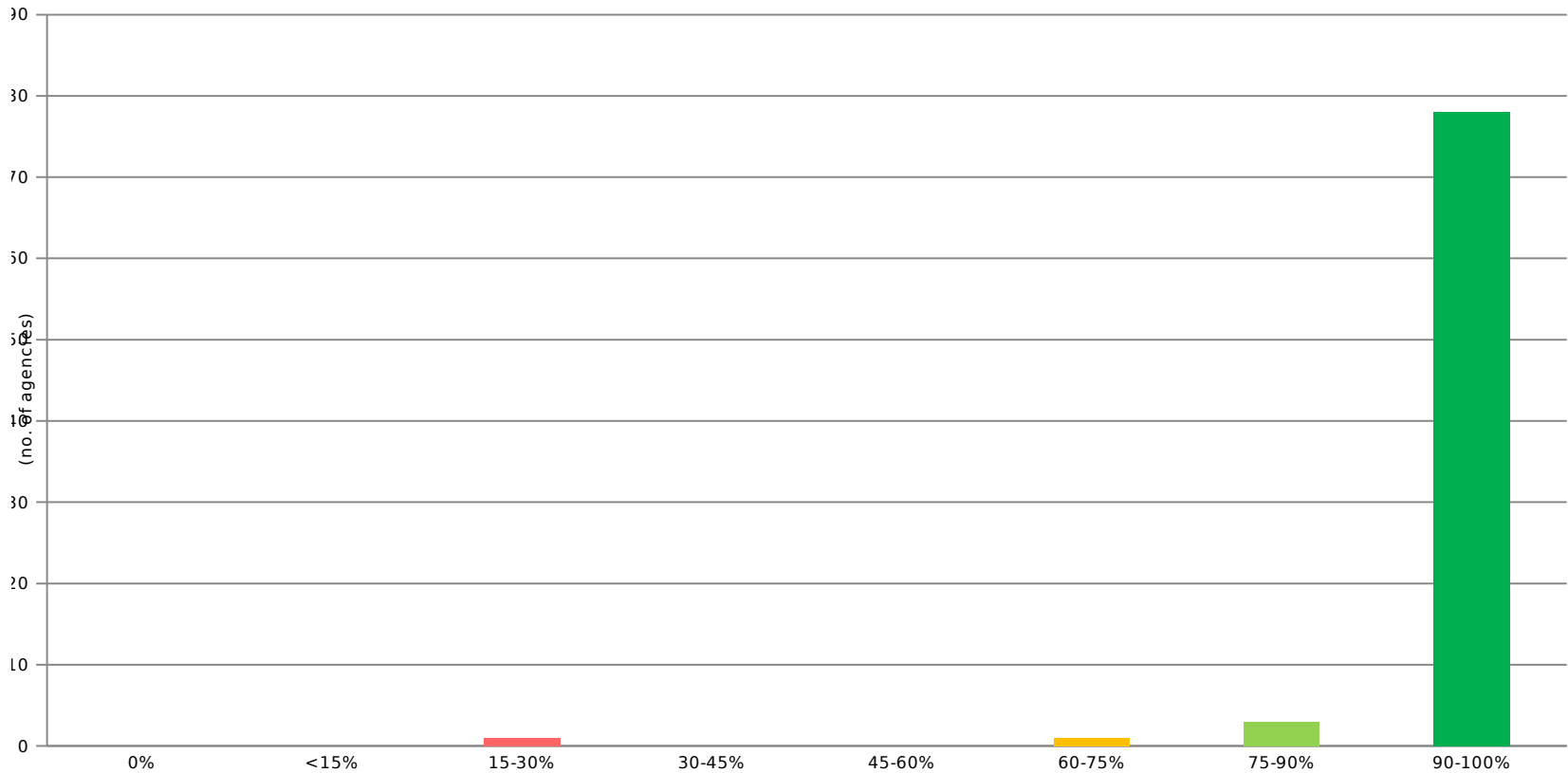


Results of Stage 1: Preparation Due End 2009 Stocktake of Equipment





Results of Stage 1: Preparation Due End 2009 Stocktake of Applications





Results of Government Transition to IPv6: Stage 2

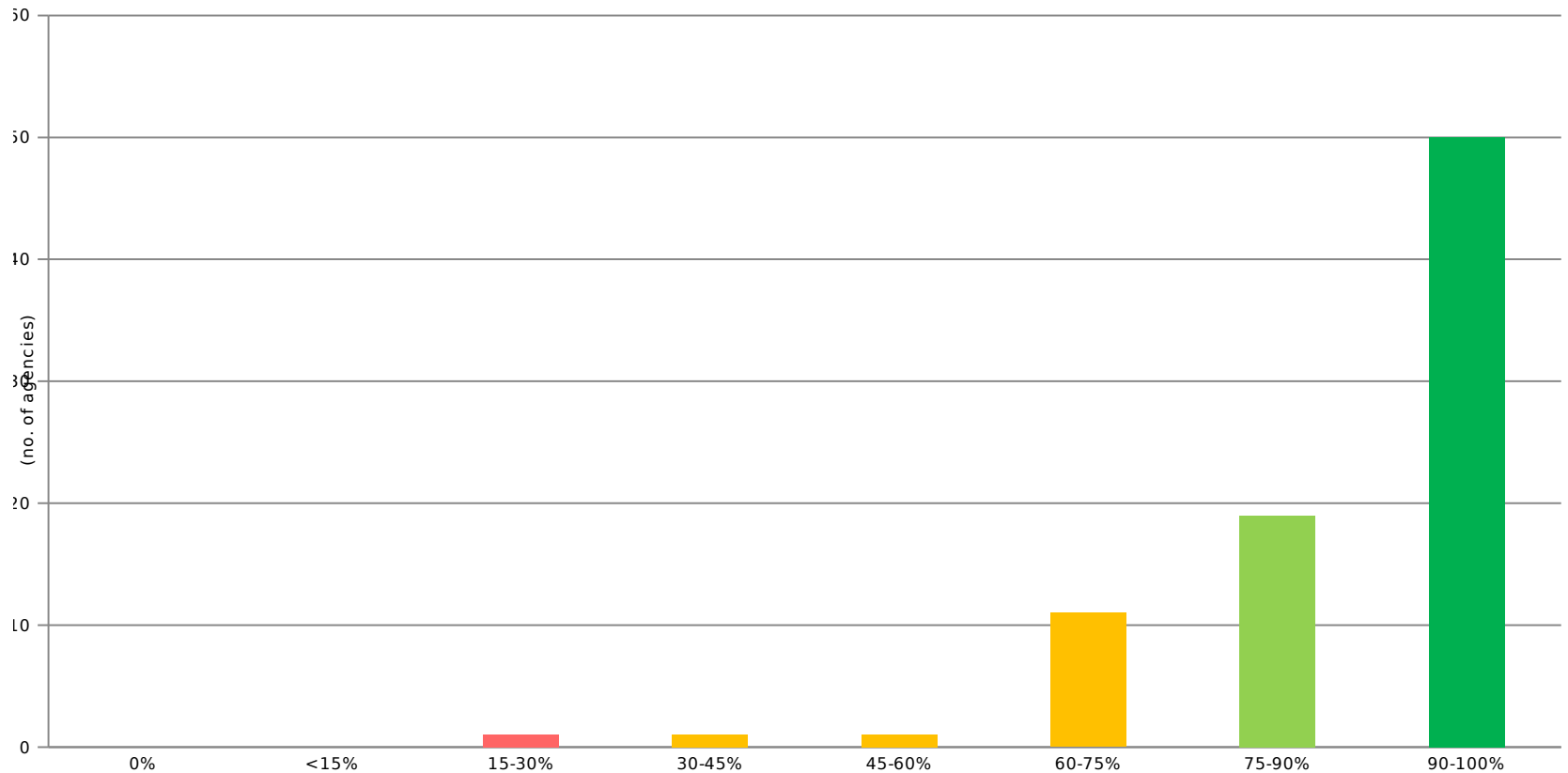
Transition: Jan 2010 – Dec 2011

Tasks:

- 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 Necessary Applications to be IPv6 ready
- BAU tasks Training and Security

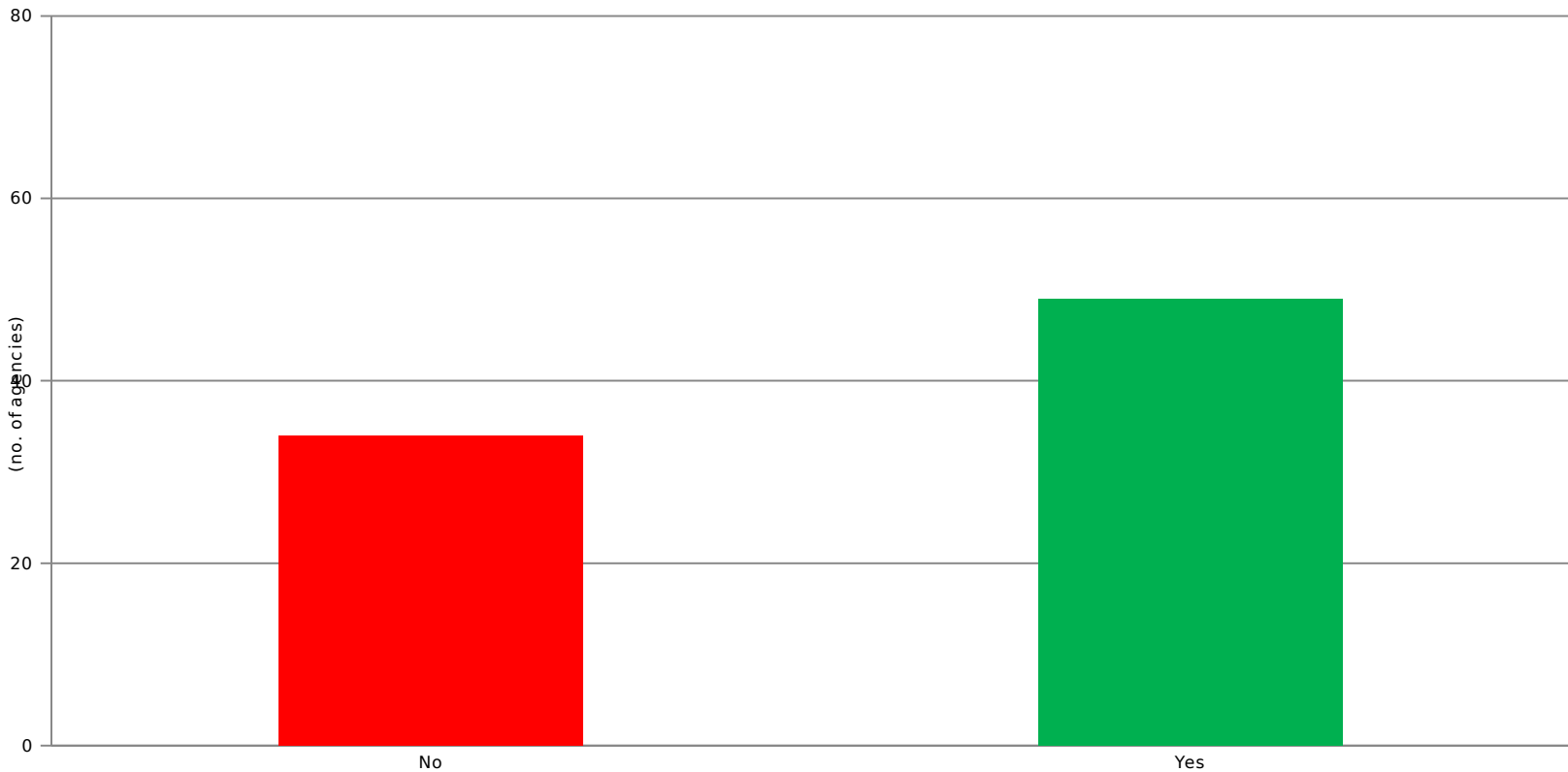


Results of Stage 2: Transition Due End 2011 Upgrade of ICT Hardware to be IPv6 Ready



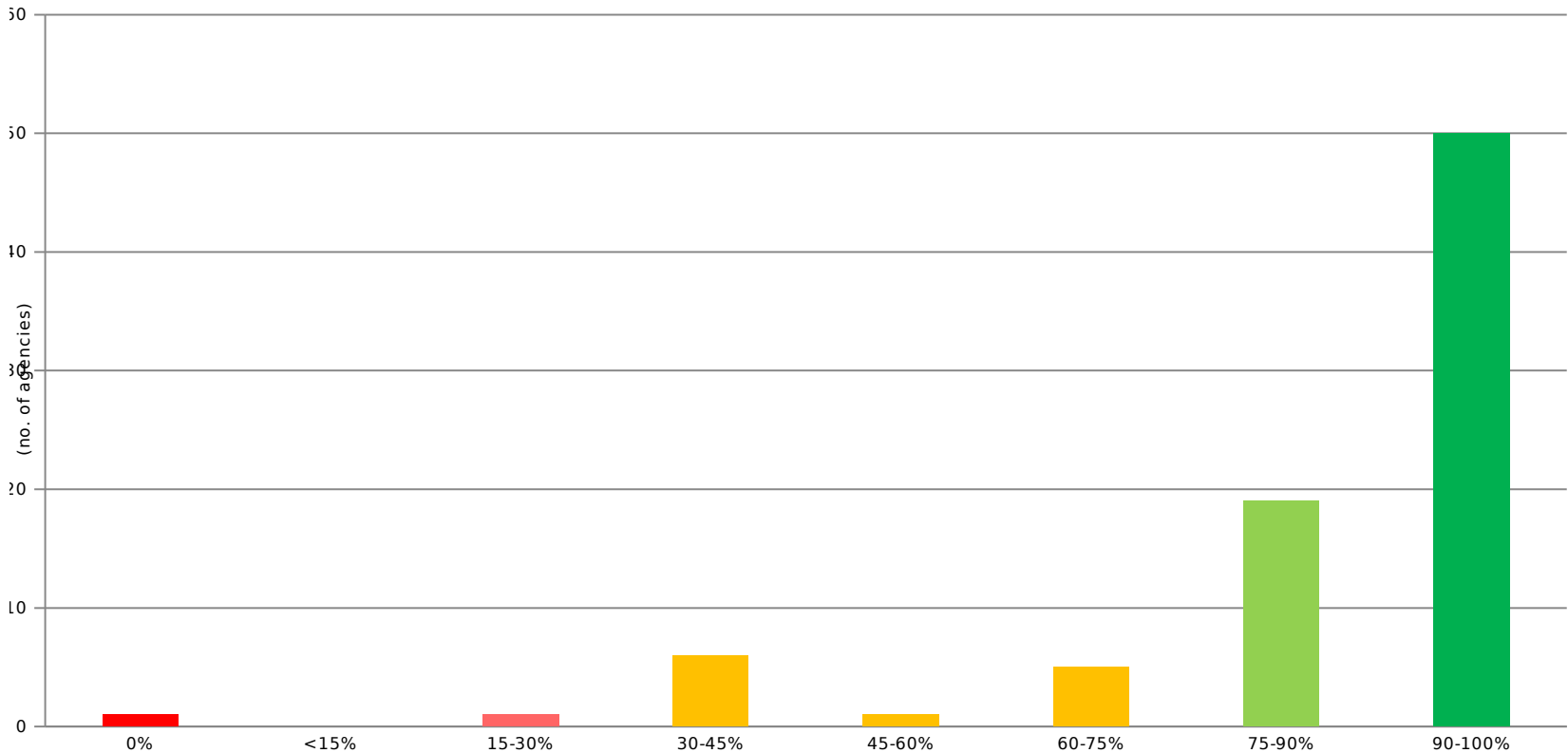


Results of Stage 2: Transition Due End 2011 Agencies to apply for IPv6 address space



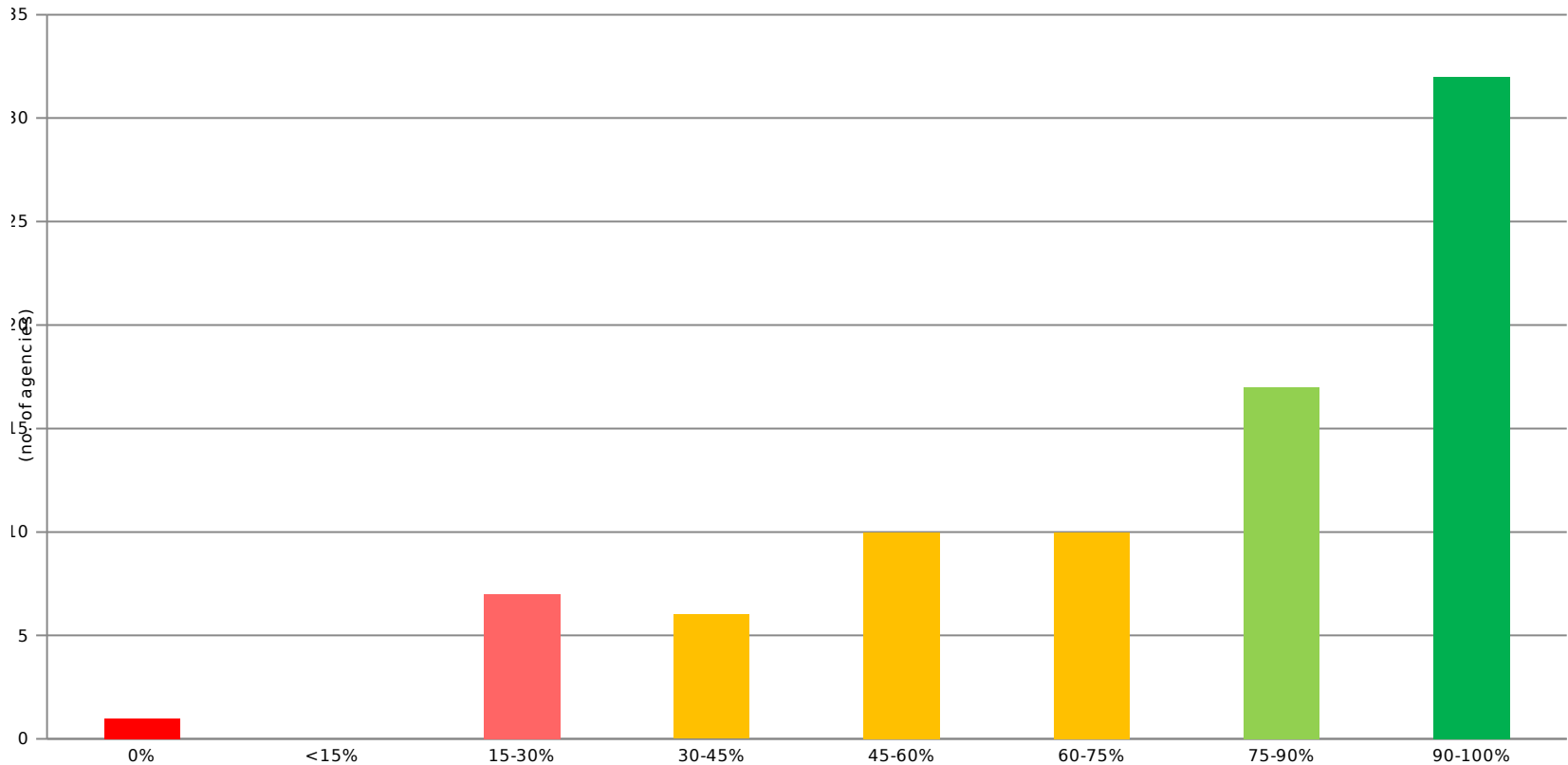


Results of Stage 2: Transition Due End 2011 Upgrade of Operating Systems to be IPv6 Ready





Results of Stage 2: Transition Due End 2011 Upgrade of Necessary Applications to be IPv6 Ready





Results of Government Transition to IPv6: Stage 3 Implementation: Jan 2012 – Dec 2012

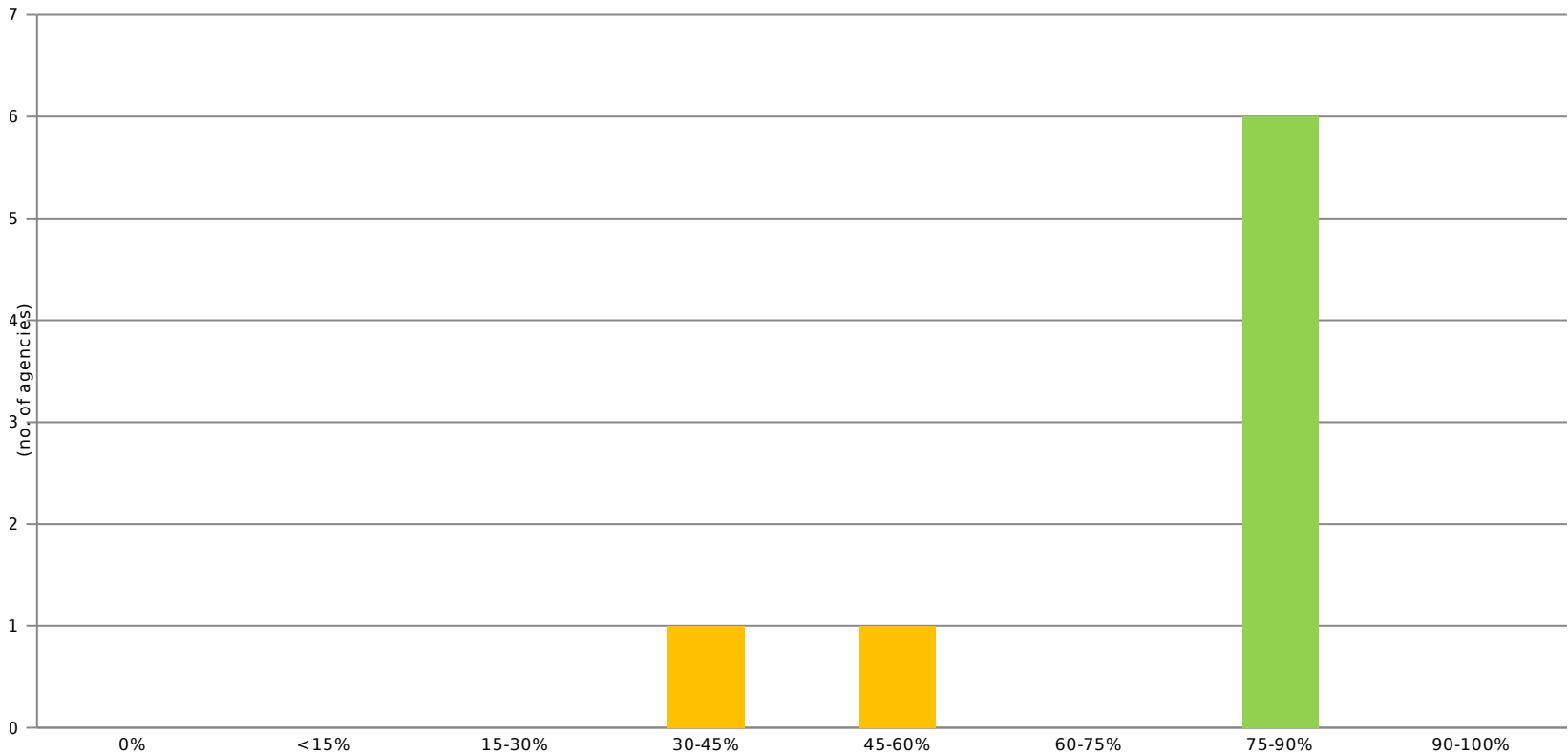
Tasks:

- Upgrade of ICT gateways to be IPv6 ready (Lead Agencies)
- Upgrade of ICT gateways to be IPv6 ready (Client Agencies)
- Agencies systems to be IPv6 ready
- Agencies External networks enabled



Results of Stage 3: Implementation Due End 2012

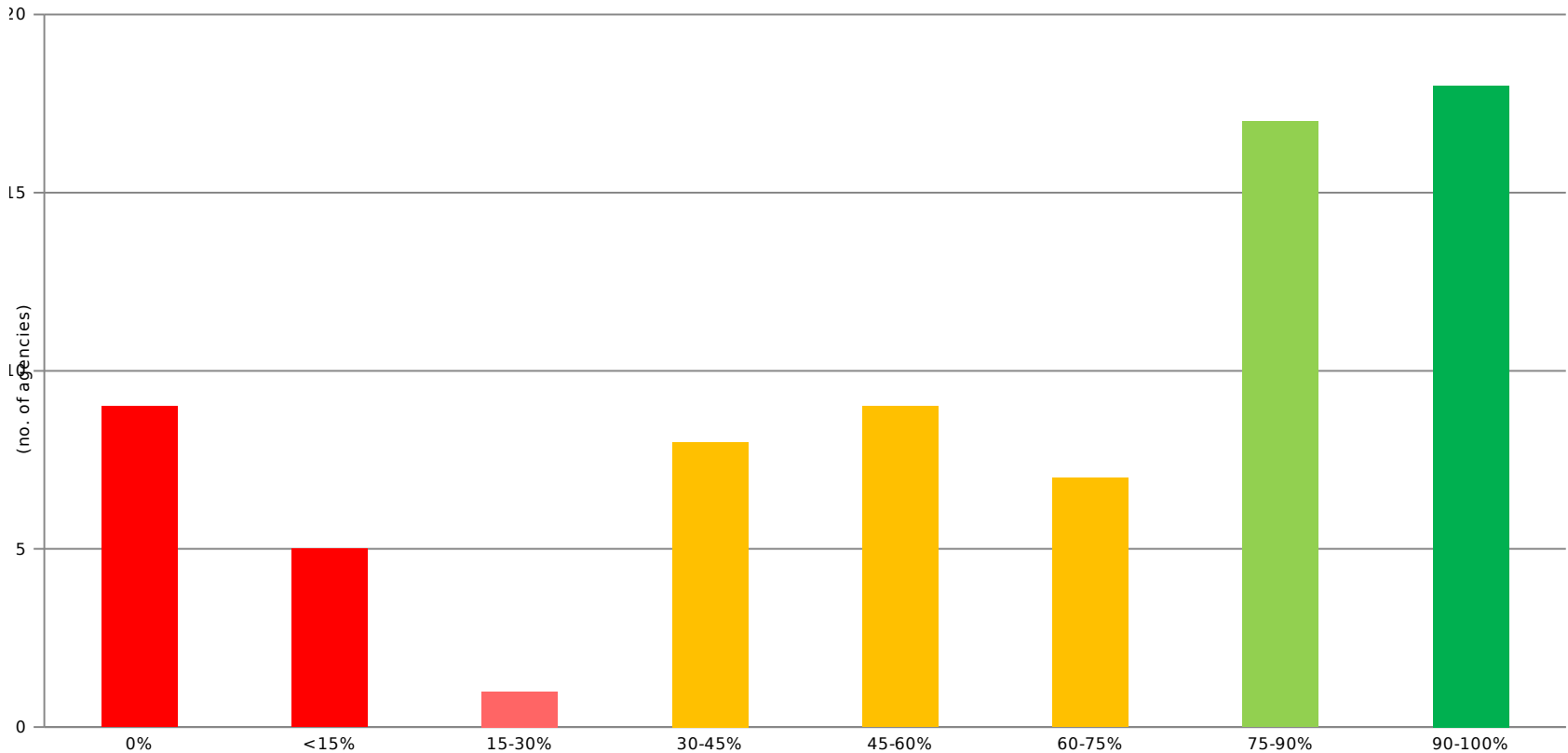
Upgrade of ICT Gateways (Lead agencies)





Results of Stage 3: Implementation Due End 2012

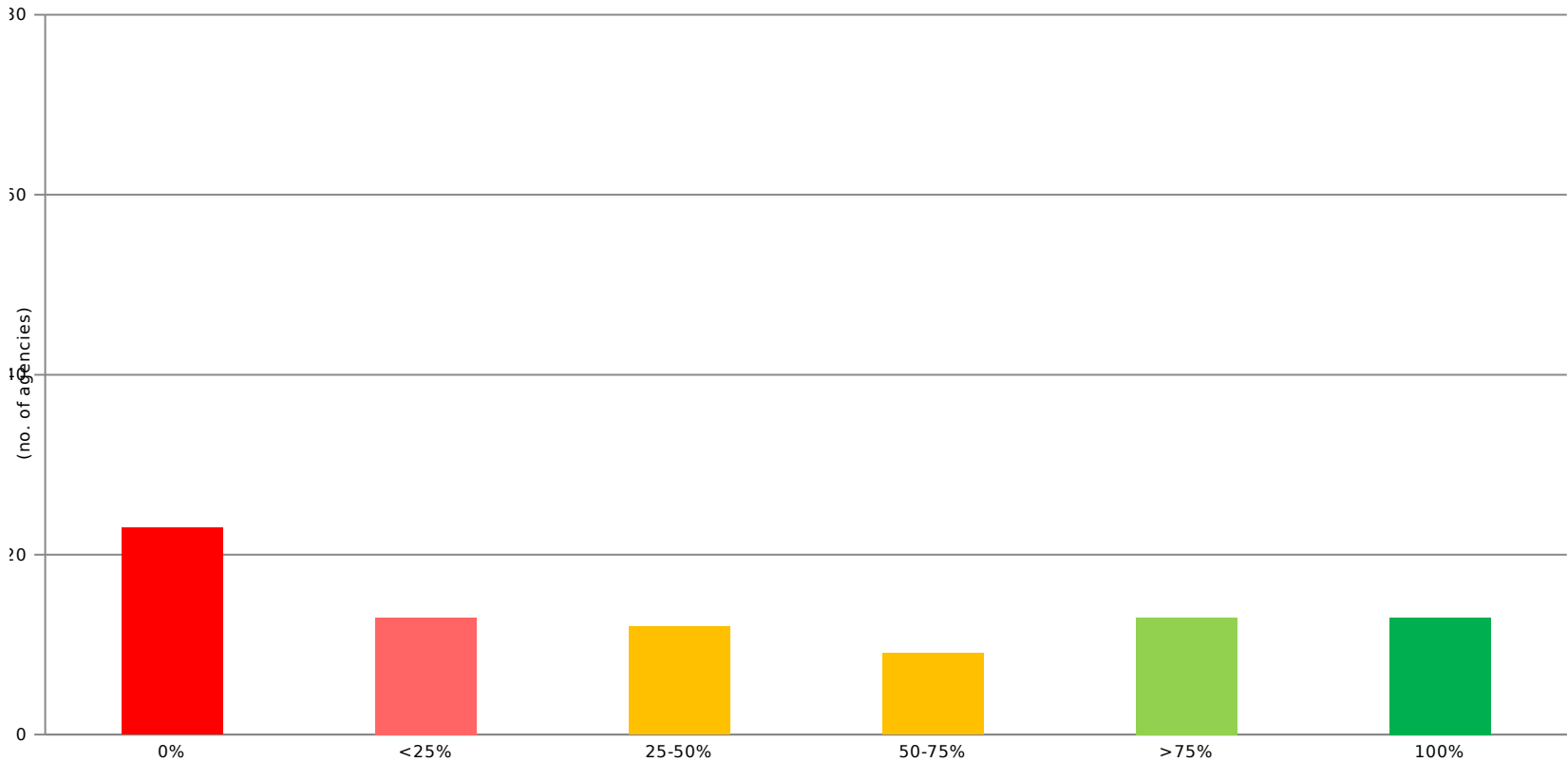
Upgrade of ICT Gateways (Client agencies)





Results of Stage 3: Implementation Due End 2012

Agencies systems to IPv6 ready





Reporting

- Agencies to report on completion of the IPv6 transition.
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- AGIMO to confirm agencies completion of the IPv6 transition.
- AGIMO to report to CIOC on completion of whole-of government transition to IPv6 capability.
- AGIMO to report to Government on completion of transition to IPv6.



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Questions?

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