



Australian Government
Department of Finance and Administration



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Preparing for the Implementation of IPV6 in the Australian Government

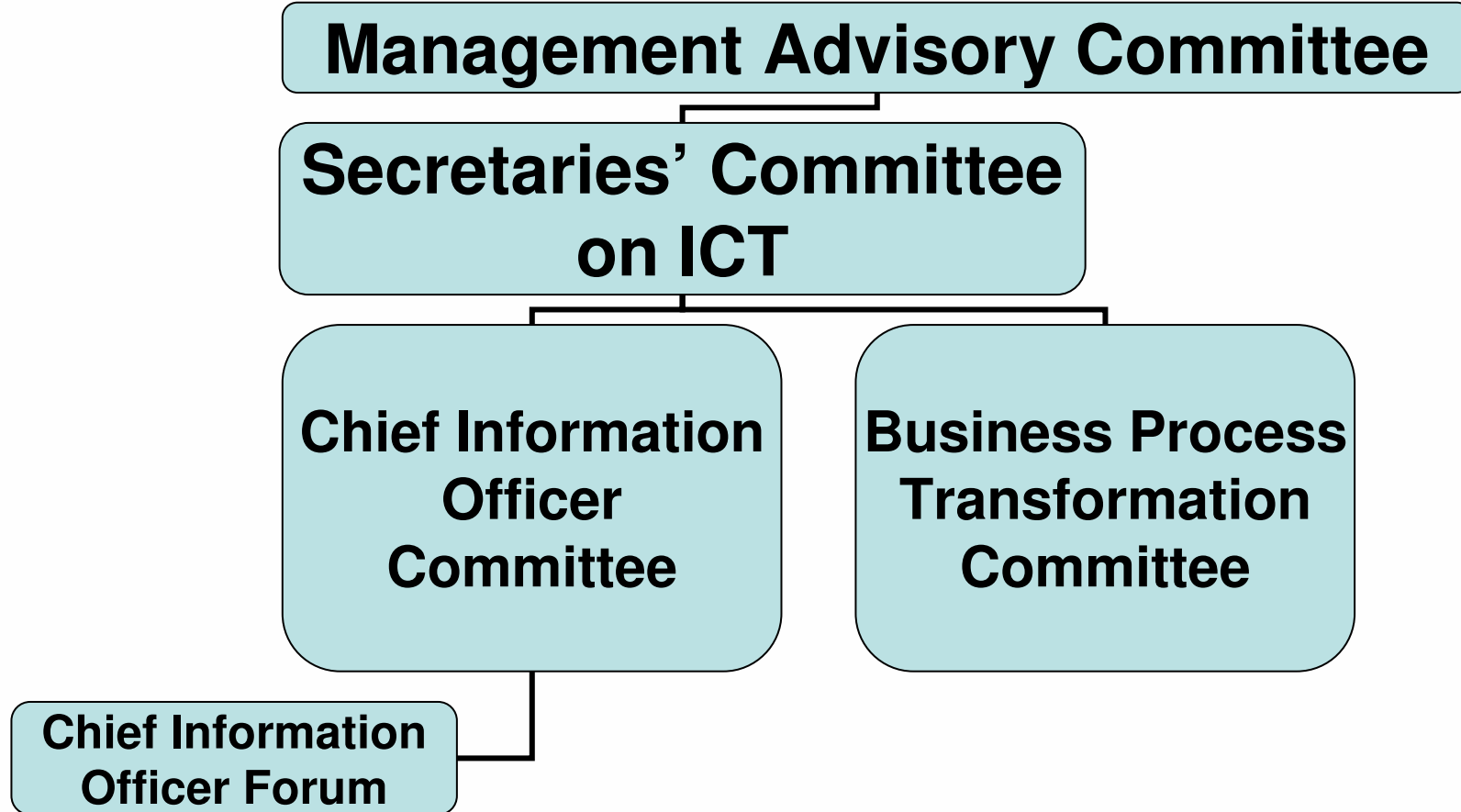
Peter Dale

ICT Skills and Emerging Technologies

AGIMO



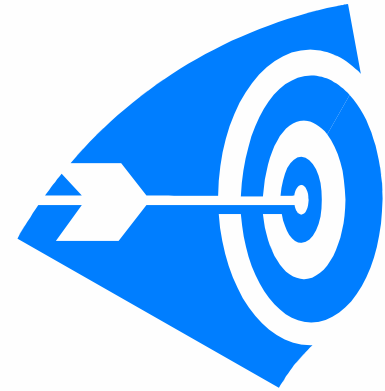
ICT Governance in the APS





Developing Awareness

- IPv6 Primer
- Report on Policy, Operational, Procedural and Technical implications of an Australian Government transition to IPv6
- Constituencies
 - Chief information Officer Committee
 - Chief information Officer Forum
 - Cross Jurisdictional Chief Information Officer Committee



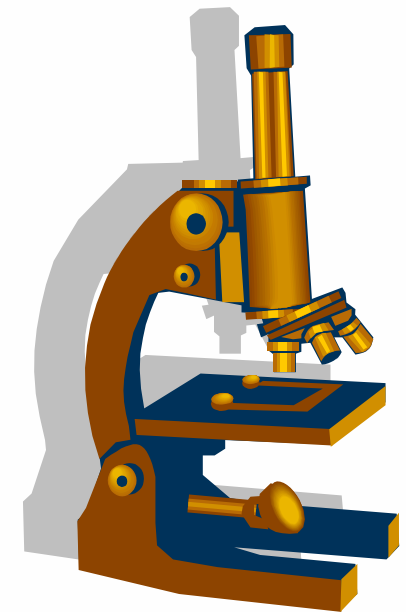
Implementing IPv6

- It is on the Australian Government's Agenda
- Not "if", but "when"
- It will present challenges
- To some extent, it is already here
- There is no "flag" day



The Australian Government's Approach

- Considered and methodical
- Business case based approach
- Learning from other Governments
- Picking the timing





Issues for Resolution

Security

The ability of IPv4 to continue to support applications

The compelling applications requiring IPv6

Standards





POLICY ISSUES

- Policy implementation issues;
 - Cost of transition
 - A compelling business case
 - Updating the security policies of agencies
 - Procurement policies



Operational and Procedural Issues

- Operational and Procedural implementation issues;
 - Governance
 - Readiness of ISP's and telecommunications providers in the provision of IPv6 addresses



Technical Issues

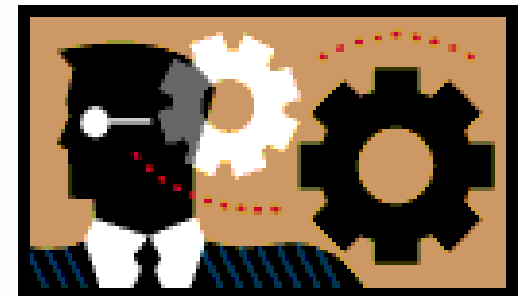
- Technical Implementation issues
 - Impacts on existing hardware and software
 - Maintaining interoperability
 - Addressing
 - Information security
 - Available applications
 - Standards
 - Performance
 - Training





Other Issues

- No current intentions to mandate IPV6 for Government Agencies
- Co-existence with IPv4
- Porting existing applications





Preparing for IPv6

- Procuring and developing IPv6 capable assets
- Minimise the risk – if possible, disable where not required
- Ensuring Agency readiness



Agency Preparation



- Training
- Experimenting
- Inventory of all hardware and software
- Understanding what equipment is already IPv6 capable
- Opening discussions with vendors, ISPs and telcos
- Sharing intelligence
- Watching the experiences of other governments



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QUESTIONS?