ITOL IPv6 for e-Business

Tony Hill & Kate Lance

Internet Society of Australia
www.isoc-au.org.au

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IPv6 for e-Business Project

- Mapping Australian IPv6 Capability
- Enabling
  - developing business tools
- Raising awareness
- Assessing readiness
  - Australian IPv6 infrastructure

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IPv6 for e-Business Team

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Sponsors, Hosts & Endorsement

The IPv6 for e-Business project is supported by the Australian Government through the Information Technology Online (ITOL) Program of the Department of Communications, Information Technology and the Arts.

Hosts:

Endorsing Bodies:

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- Enabling
- Raising awareness
- Infrastructure

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Mapping

- Estimate the level of support for IPv6 implementation
- Compare existing IPv6 infrastructure
- Critical gaps in resources

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Mapping Analysis

- Three sizes of business
  - Large
  - Medium
  - SOHO – small office, home office
- Three levels:
  - Core: central Internet infrastructure
  - Nets: hardware, services, transition, security
  - User: systems, applications, devices, etc

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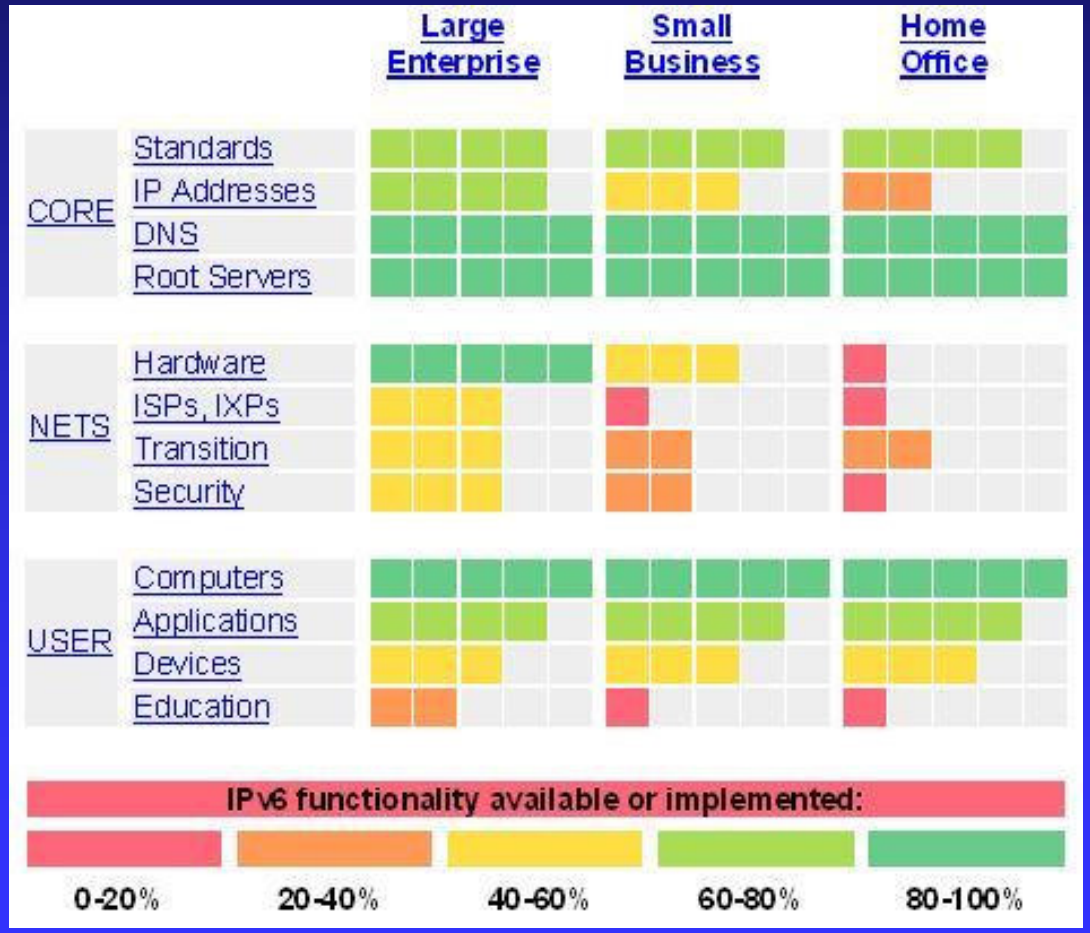
IPv6 Readiness – August 2006



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Service Providers for Australia

Service providers with IPv6 addresses advertised in the last 12 months:

- Telstra
- AARNet
- NTT Australia
- IPv6 Data FX
- Pacific Internet
- CityLink (NZ)
- UUNet
- iiNet
- AusRegistry

IPv6 Summit connectivity provided through AARNet

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Enabling Tools

- Business Case Scenarios
- The ROI Evaluator
  - Return on Investment
- The Transition Guide
- The Easy Access Device

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Business Case Scenarios

- The 'do nothing' case
- It's inevitable, may as well go with the flow
- Competitive differentiation
- Competitive protection
- Return on investment
- Known opportunities - understood and tangible
- Unknown opportunities - preparing fertile ground

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ROI Evaluator

- Evaluating net present value
- Return on investment
- Payback period

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The Transition Guide

- **Assess** business requirements, risks and benefits
- **Survey** existing network infrastructure
- **Educate** technical staff professionally
- **Resource** network and security infrastructure
- **Phase-in** and test IPv6-capable devices
- **Inform** and set policies for general staff
- **Monitor** and maintain procedures and infrastructure

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Easy Access Device

- Development of a device that can be used by businesses to gain IPv6 connectivity no matter what their service provider offers
- See demonstration stand

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- Infrastructure

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Raising Awareness

- Information: IPv6 Basics, awareness website and resources, first phase
  - Print-ready brochure
- Promotion: publicity for website, brochures, seminars via the IPv6 Summit 2006
  - Industry Workshops with ADIESA
- Seminars: presentations for business and SMEs in six major cities
- Updates: website and resources, second phase - progress, outcome of activities

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- Enabling
- Raising awareness
- **Infrastructure**

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Infrastructure

- IPv6 Testbed Development
  - collaboration with auDA & AusRegistry
- IPv6 Infrastructure Directions
  - issues affecting acceptance and deployment of IPv6 at fundamental infrastructure levels

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IPv6 Survey – Nov 2006

- 86% interested in IPv6
- 80% have implemented or are learning
- 63% will offer to customers or partners by 2008
- Key barriers – top three:
  - Lack of connectivity
  - Lack of business case
  - Lack of customer demand
- 63% expect connectivity by 2008

n > 100

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SONY
Slim Body [52mm]

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Addressing the new net

High-flying Internode boss Simon Hackett (above) says he's "lost faith" in IPv6.

November 28, 2006
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The internet is not far away from running out of puff. Nick Miller investigates the alternatives to give it new life.

"What we are concerned with he the fundamental interconnected of all things." -- Dirk Gently, fict creation of Douglas Adams.

Stoking the IPv6 debate

Australia lags behind in IPv6 adoption, but its prospects are gaining heat

By Tony Hill

DEBATE ABOUT a next generation Internet Protocol began early in the 1990s, even before the massive worldwide uptake of the Internet. Internet Protocol version 4 (IPv4) is the current protocol and Internet Protocol version 6 (IPv6) has been developed to succeed it. Over the last decade the value case, IPv6 transition planning and will allow further detailed planning and discussion of IPv6 benefits and transition issues.

ITOL IPv6 for e-Business

The ITOL IPv6 for e-Business project will enable Australian businesses to take advan- IPv6, even- to map the status of IPv6 in Australia. It has established a Web site — http://www.ipv6.org.au/ — to provide information on IPv6 for Australia, and will develop additional elements of essential infrastructure. It will provide business tools for the uptake of IPv6, including business planning tools, tran-

See your copy in the conference satchel

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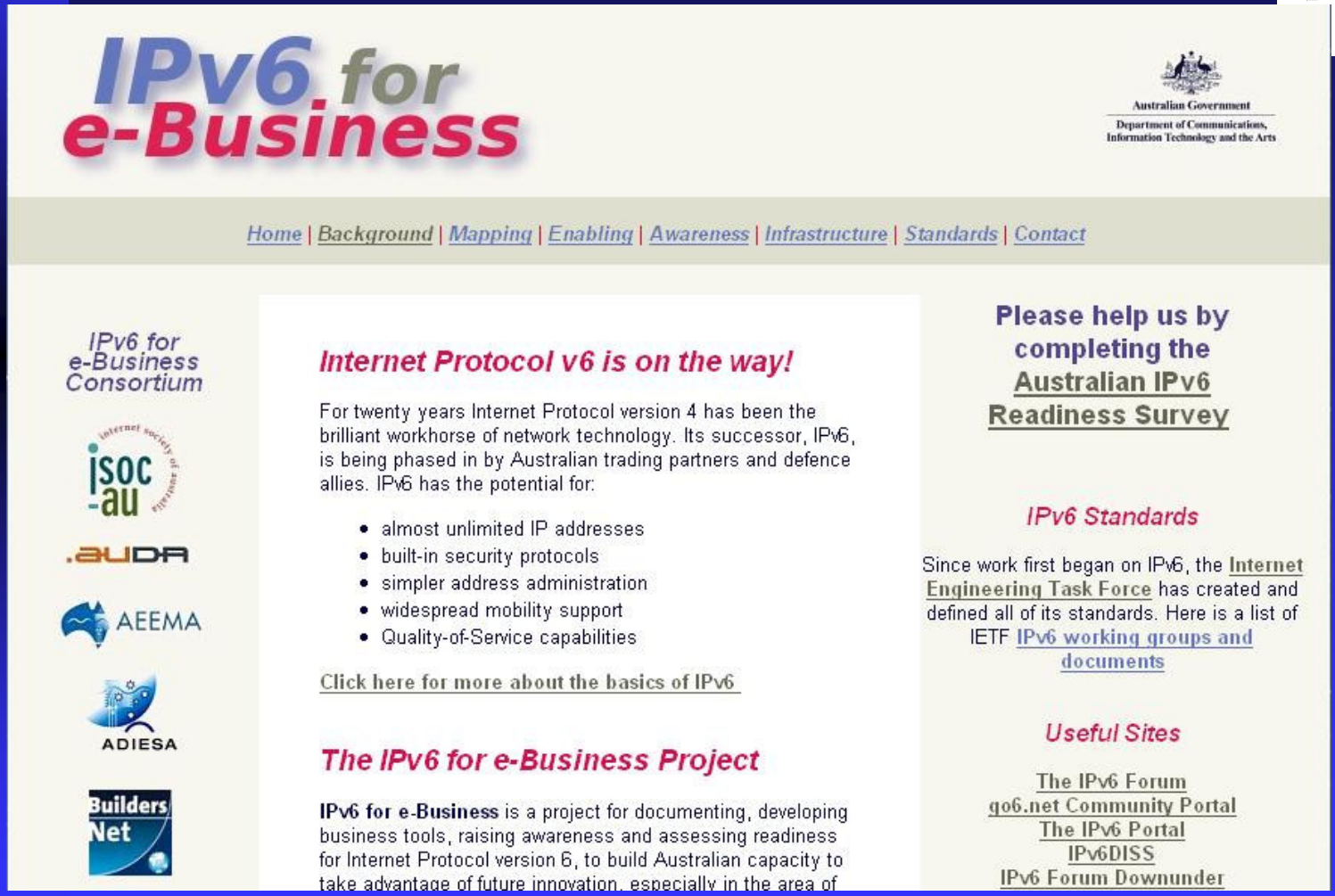
New Australian Web Site: www.ipv6.org.au



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