


Australia's Internet Future
International Dimensions

Tony Hill


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



Copyright © 2002 ISOC -AU 1

The slide features a blue background with a vertical bar of small squares on the left side. The title is in a large, light blue font. The speaker's name and affiliation are in white. The ISOC-AU logo is a white square with the text 'internet society of australia' around the top edge, 'iSOC' in large black letters, and '-au' in blue below it.


Australia's Internet Future




- Internet was built for users
- New international high speed networks
- New protocols
- More innovation = New opportunities
- Where does Australia need to be?
- What do we need to do?

Copyright © 2002 ISOC -AU 2

The slide features a blue background with a vertical bar of small squares on the left side. The title is in a large, light blue font. The ISOC-AU logo is in the top right corner. The list of bullet points is in white. The copyright notice and slide number are in the bottom right corner.




The Australian Internet Boom




- Business and individuals discovered the usefulness of the Internet in 1998 & 1999
- Internet began as a research and education network
 - ◆ In Australia – AARNet

Copyright © 2002 ISOC -AU 3





What use is the Net?



- Usefulness and Users have the same stem
 - ◆ users have driven much of usefulness
- Interoperability of the Internet
- Relevance of the Internet standards process
 - ◆ Internet Engineering Task Force

Copyright © 2002 ISOC -AU 4



The Net Future - Emerging

- Now overseas research and education networks are showing the way to a new level of usefulness
- Production networks:
 - ◆ CANARIE, Abilene2
- Experimental networks:
 - ◆ NSF Grid
 - ◆ Global Terabit Research Network

Copyright © 2002 ISOC -AU

5



What is changing?


- Advanced Internet technologies
 - ◆ Bandwidth
 - ◆ Protocols: IPv4, IPV6
- Current broadband debate
 - ◆ Started with telecommunications
 - ◆ Enthusiasm came from the Internet boom
- We need to register this message from the market

Copyright © 2002 ISOC -AU

6



Where is the action?



- International: ISOC, IETF and ICANN
- New Australian networks:
 - ◆ GrangeNet
 - ◆ Centie
 - ◆ mNet
 - ◆ AARNet - GTRN

Copyright © 2002 ISOC -AU

7



What will they mean for users?



- ◆ Very very fast
- ◆ Always on
- ◆ Instant access to facilities and resources
- ◆ New services
- ◆ Access to facilities, like AC3

Copyright © 2002 ISOC -AU


8



Australia needs to:

- be well informed of new international developments
- ensure effective policy settings
 - ◆ particularly competition policy
- have effective user input
 - ◆ Public debate
 - ◆ Policy setting
 - ◆ Standards process
- take advantage of new Internet productivity



Copyright © 2002 ISOC -AU 9



ISOC-AU

- Well positioned to comment:
 - ◆ Australian chapter of ISOC
 - ◆ International links and information
 - ◆ Sound technical understanding
 - ◆ Users perspective

Copyright © 2002 ISOC -AU 10



Matters of principle

- Key role of open standards
- The openness of the Internet standards process
 - ◆ Particularly IETF
- Benefits flowing from the open standards process
 - ◆ Importance of Australia being well positioned
- Significance of embracing a user perspective for development of Internet technology
- The ISOC vision - 'The Internet is for Everyone!'

Copyright © 2002 ISOC -AU

11



Opportunities

- Australia must be a strong user of fast networks
- Opportunities for innovation
- Capture the business opportunities

Copyright © 2002 ISOC -AU

12

Australia's Internet Future

International Dimensions

Tony Hill

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

