

The logo for VIC6 features the text "VIC6" in a bold, blue, sans-serif font. It is centered within a light green, wavy, horizontal shape that resembles a stylized wave or a leaf. The shape is wider in the middle and tapers at both ends.

# VIC6

Victorian Industry Collaborative  
IPv6 TestNet

Ai Group & IPv6Now

Tony Hill  
Managing Director  
IPv6Now  
[www.ipv6now.com.au](http://www.ipv6now.com.au)  
[tony@ipv6now.com.au](mailto:tony@ipv6now.com.au)

The IPv6Now logo consists of the text "IPv6" stacked above "Now". The text is in a blue, sans-serif font. The text is overlaid on a light green, wavy, horizontal shape that is similar to the one in the VIC6 logo, but with a slight blue gradient at the bottom edge.

IPv6  
Now

# Minister's Announcement

Acting Information and Communication Minister  
Gavin Jennings:

“In addition, we have also committed \$350,000 towards a program to encourage industry to shift to Internet Protocol Version 6 (IPv6), the next generation internet, which will provide industry with an unlimited number of IP addresses to cater for business expansion.”

The logo for IPv6 Now features the text "IPv6" in a large, blue, sans-serif font above the word "Now" in a smaller, blue, sans-serif font. The text is set against a light green, wavy background that resembles a stylized wave or a ribbon.

# Why IPv6?

- Internet market value is proven
- Growth in Internet demand continues
  - Now 1.2B users & 244.7% growth 2000 to 2007  
(<http://www.internetworldstats.com/stats.htm>)
- New innovations are emerging
  - New applications, new architectures
- IPv6 provides cost savings, growth & innovation
  - simpler network administration
  - more scale, more power

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# IPv6 Business Case

## Reducing Costs

- **IPv6 reduces cost** in today's Global Financial Crisis economy
  - simplifies existing networks
  - simplifies mergers and acquisitions
  - simplifies supplier and customer relationships
  - links to world growth markets in Asia
- **Reduces cost of growth for expanding networks**
  - flat marginal cost of implementation (MCI) vs accelerating IPv4 MCI

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# Market Growth

- Asia - in IPv6 transition:
  - Japan – major economy 7 trading partner
  - China – population 1B plus
  - South Korea – major trading partner
- Europe – 25% of users on IPv6 by 2010
- North America – in IPv6 transition:
  - US Defense & Govt backbones by 2008
  - Major providers

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# What is IPv6 about?

- IPv6 – Internet Protocol version 6

## ***NEWS FLASH:***

FOR IMMEDIATE RELEASE

3 December 2008

**"IPv6 Growth Increases 300 Percent in Two Years "**

Internet Governance Forum, Hyderabad, India, 2nd December 2008 – The Number Resource Organization (NRO), which is made up of the five Regional Internet Registries (RIRs), announces today that the rate of new entrants into the IPv6 routing system has increased by approximately 300 percent over the past two years.

# What is IPv6 about?

- Domain name: `www.ipv6now.com.au`
- IPv4: `125.255.112.139`
- IPv6: `2406:a000::20`

“The Internet is like a 15 storey building, and the domain name system is the columns holding it up...” and the Internet Protocol is the foundation on which the whole building stands.

Apologies to Paul Twomey, CEO, ICANN



# IPv6 Testbed Objective

The purpose of the Testbed at launch will be:

To provide an industry facility, in the form of an IPv6 testbed network, that will enable and empower Victorian industry and commercial organisations to learn and test IPv6 implementation and integration processes and innovations with a view to deploying the same within their corporate structures or deploying the same in products, services and innovations.

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# Industry benefits

- Maximum outreach to Victorian industry
- Enable Victorian industry to
  - access cost savings and maximise efficiency improvements through use of IPv6
  - quickly adopt IPv6
  - gain maximum market share in the emerging international markets implementing IPv6
  - develop opportunities for innovation based on IPv6

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# Project activities

- IPv6 capable testbed network
  - accessible from anywhere on the IPv4 Internet
- Industry related activities
  - Skills development
  - Transition planning
  - Staging solutions
  - Innovation: product and process trial and development

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# Who can be involved?

- Reference group, coordinated by Ai Group
- Membership for detailed participation
  - User registration, network design, contributions
- Full range organisations, from target sectors
  - health
  - financial services
  - automotive manufacturing
- Others: open to proposals



# Initial Industry Briefing Workshops

- **Ballarat**

- When: 4.30pm to 7.00pm, 9 December 2008
- Where: Neighbourhood Cable Conference Room, Greenhill Enterprise Centre University Drive, Mount Helen, Ballarat 3350 Victoria

- **Bundoora**

- When: 3.00pm to 5.30pm, 10 December 2008
- Where: Conference Centre, Research and Development Park (Melway 573, J9)  
2 Research Ave, La Trobe University,  
Bundoora 3083 Victoria

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# Project phases

- Mar 09 Planning and implementation phase
- Jun 09 Health sector demo
- Sep 09 Financial services sector demo
- Nov 09 Auto manufacturing sector demo



# VIC6 Sector Workshops

## Collaborators Workshops

Mar 09 Planning and implementation phase

## Sector Specialist Workshops

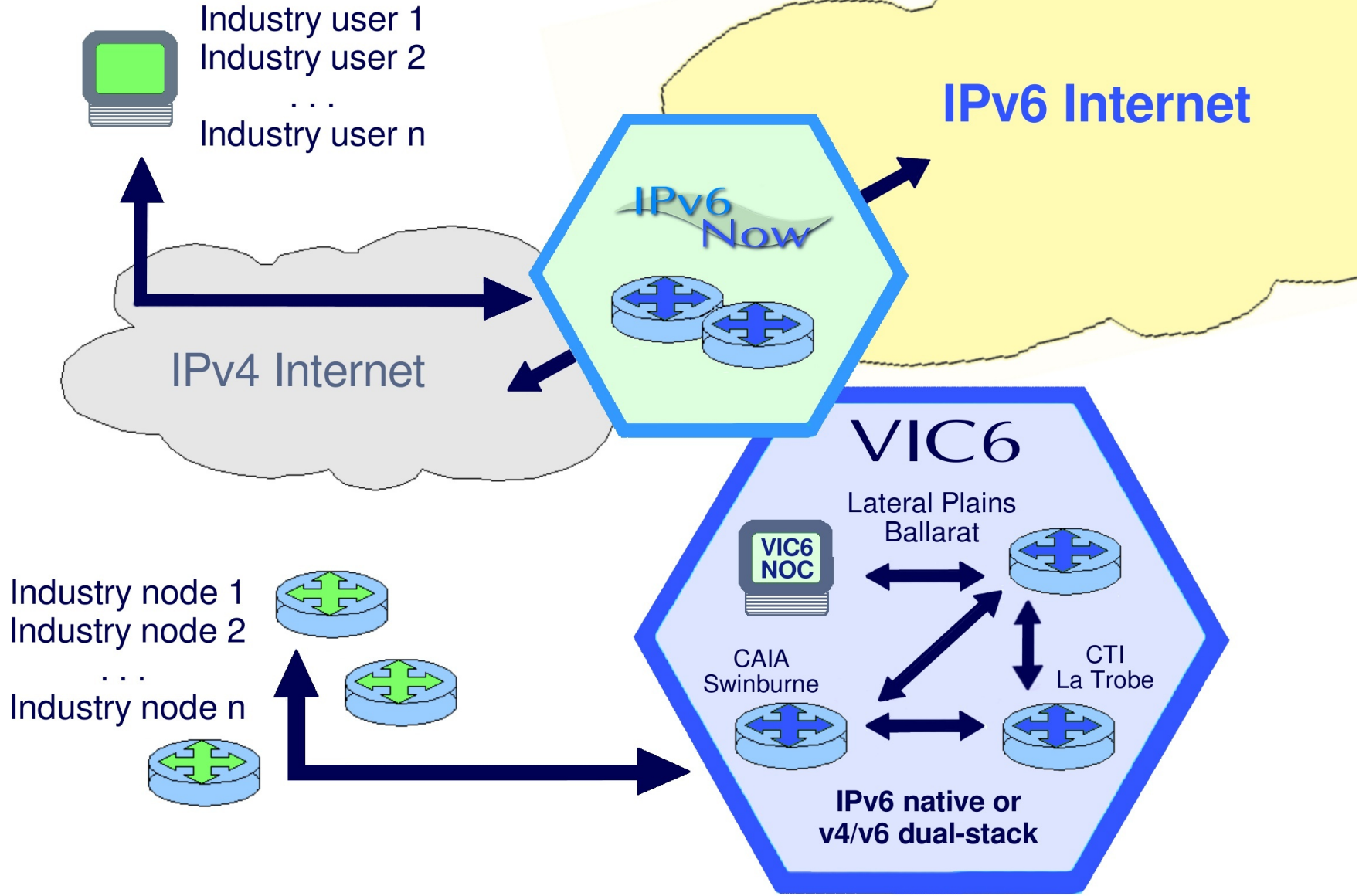
Jun 09 Health sector demo

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# VIC6 TestNet Concept



# VIC6 Activities

- Awareness: [www.vic6.net](http://www.vic6.net)
- Sector liaison
- Membership and user levels
- Network design & operation
- Demonstrations
- Fundraising
- Joint ventures

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# Participating

- **Ai Group**

- Louise McGrath

- **IPv6Now**

- Tony Hill

- George Fong

- Karl Auer

- Kate Lance

- Mike Biber

- Kevin Karp

## Membership:

- Associates

- Partners

- Sponsors

- Joint ventures

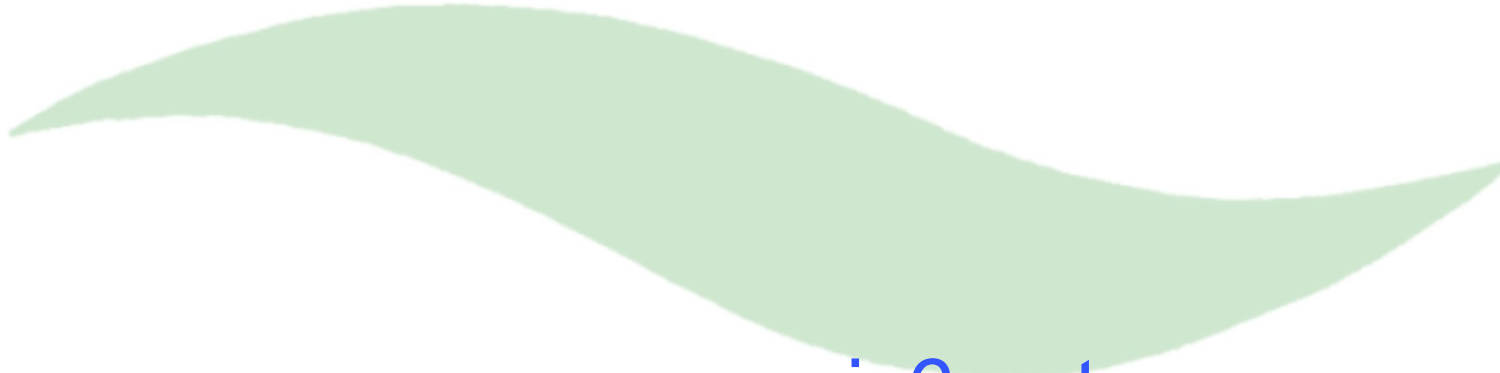
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# Outcomes

- Operational IPv6 testbed network, with industry-oriented testbed architecture
- Project membership base, with access to testbed network, including:
  - database of company interests
  - mapping of Victorian companies
- Industry communication established



# Questions?



[www.vic6.net](http://www.vic6.net)  
[www.aigroup.asn.au](http://www.aigroup.asn.au)  
[www.ipv6now.com.au](http://www.ipv6now.com.au)

*Thank you.*

