



IPv6 in BT – The Story so Far...

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About BT

- BT is one of the world's leading providers of communications solutions, serving customers in Europe, the Americas and Asia Pacific.
- In Ireland BT provides communications solutions to government and major businesses, as well as being the second largest broadband and Internet services provider to consumers and SMEs.
- BT also supports wholesale network services in Ireland, working with key customers such as “3” for whom we build and manage their 3G mobile network.
- BT is a member of the IPv6 Task Force and a partner of the National IPv6 Centre based in Waterford Institute of Technology.

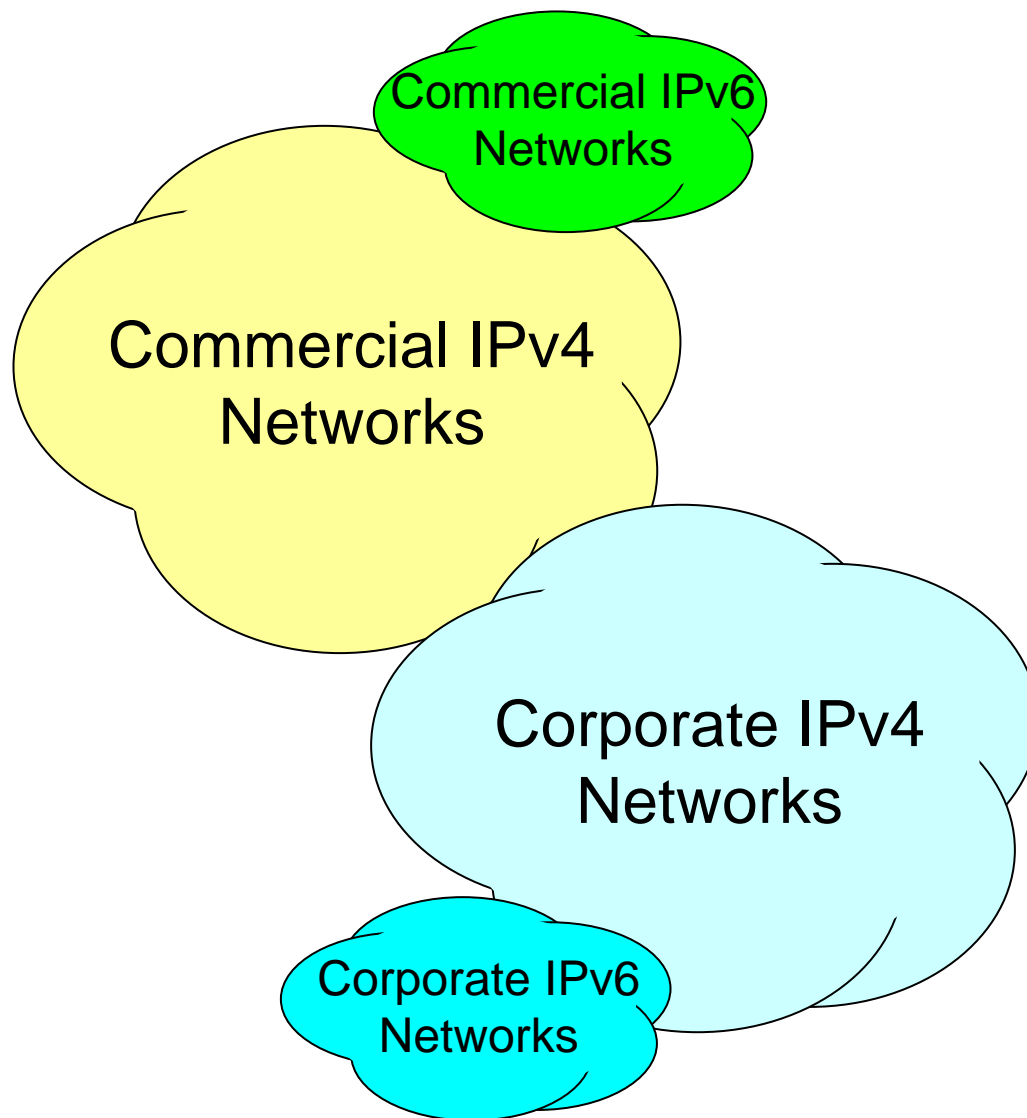
Research History

- In Country IPv6 Networks
 - Ireland
 - UK – UK6x
 - Germany
 - Spain
- EU Research Projects



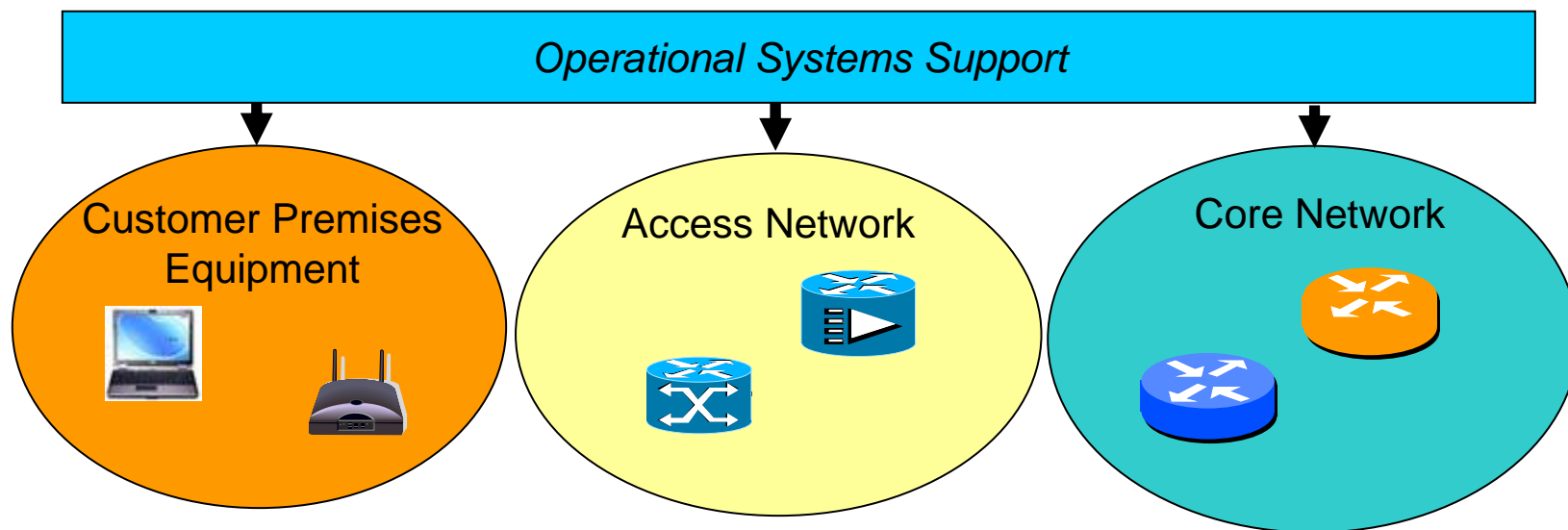
- Global Leadership
 - EU Task Force
 - National Task Forces
 - IPv6 Forum

The Next Phase



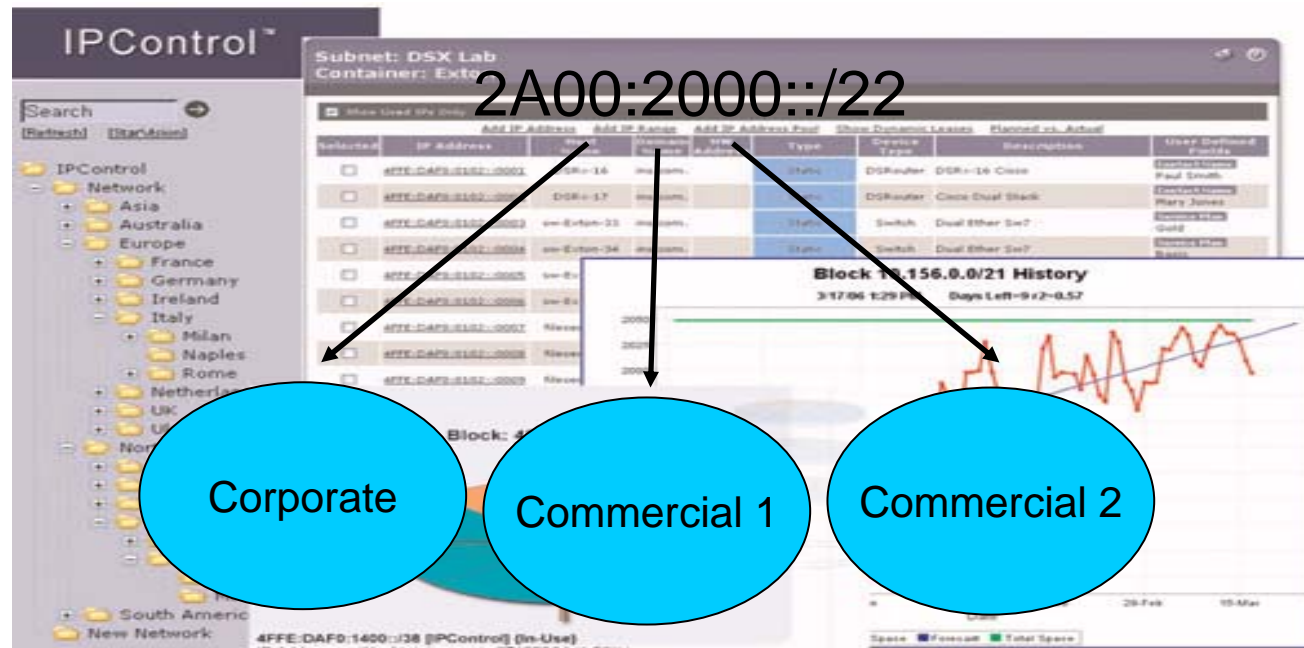
Some Issues to Consider

- IPv6 Compatible equipment end-to-end



Some Issues to Consider

- IPv6 Address Space
 - Sounds simple....BUT
 - Multiple networks add complexity



Some Issues to Consider

- IPv6 deployment, provisioning, management, monitoring systems
 - Commercial systems
 - IPv6 capable?
 - Bespoke/In-house developed systems
 - Identify required modifications
 - Factor into development cycles

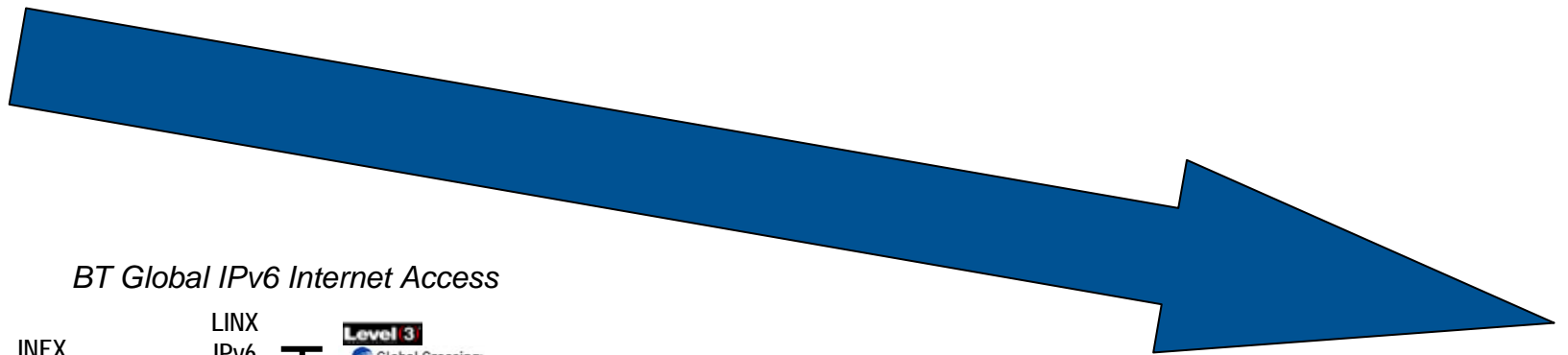
Some Issues to Consider

- Seamless IPv6 Deployment/Integration
 - Avoid disrupting/breaking working services
 - Be clear about what goals are
 - What do you want to achieve for your customers
 - IPv4/IPv6 platform
 - New IPv6 service
 - IPv6 trial only
 - I want you to try IPv6/I will force you to use it as I am running out of IPv4 addresses

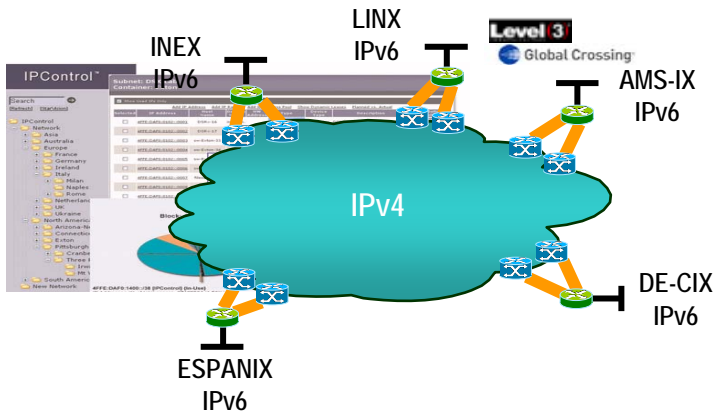
Our Approach

- Proof of Concept
 - In labs using model of deployed network
 - Identify deficiencies in the solution
- Commercial Trial
 - Embedded in commercial network
 - In Ireland a ‘parallel’ network
 - Use dedicated equipment/processes first
 - Real users, probably “friendly’s”
- Integration of IPv6 into Platforms
 - No special IPv6 branded products
 - Use IPv6 where provides a better delivery solution

IPv6 Timeline



BT Global IPv6 Internet Access



Domestic Broadband Trials
Global Network Trials
Integration of IPv6 into BT Ireland core
Full Platform/Product Integration

2008

2009

2010

2011

Plans and Timescales subject to change



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