



International Telecommunication Union



Beyond Converging Networks

Patrick COCQUET

IPv6 FORUM VP, President of IPv6 TFF
6WIND Chairman & Co-Founder

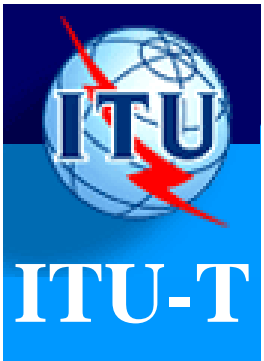
Workshop on IPv6
Geneva, 22-23 June 2005



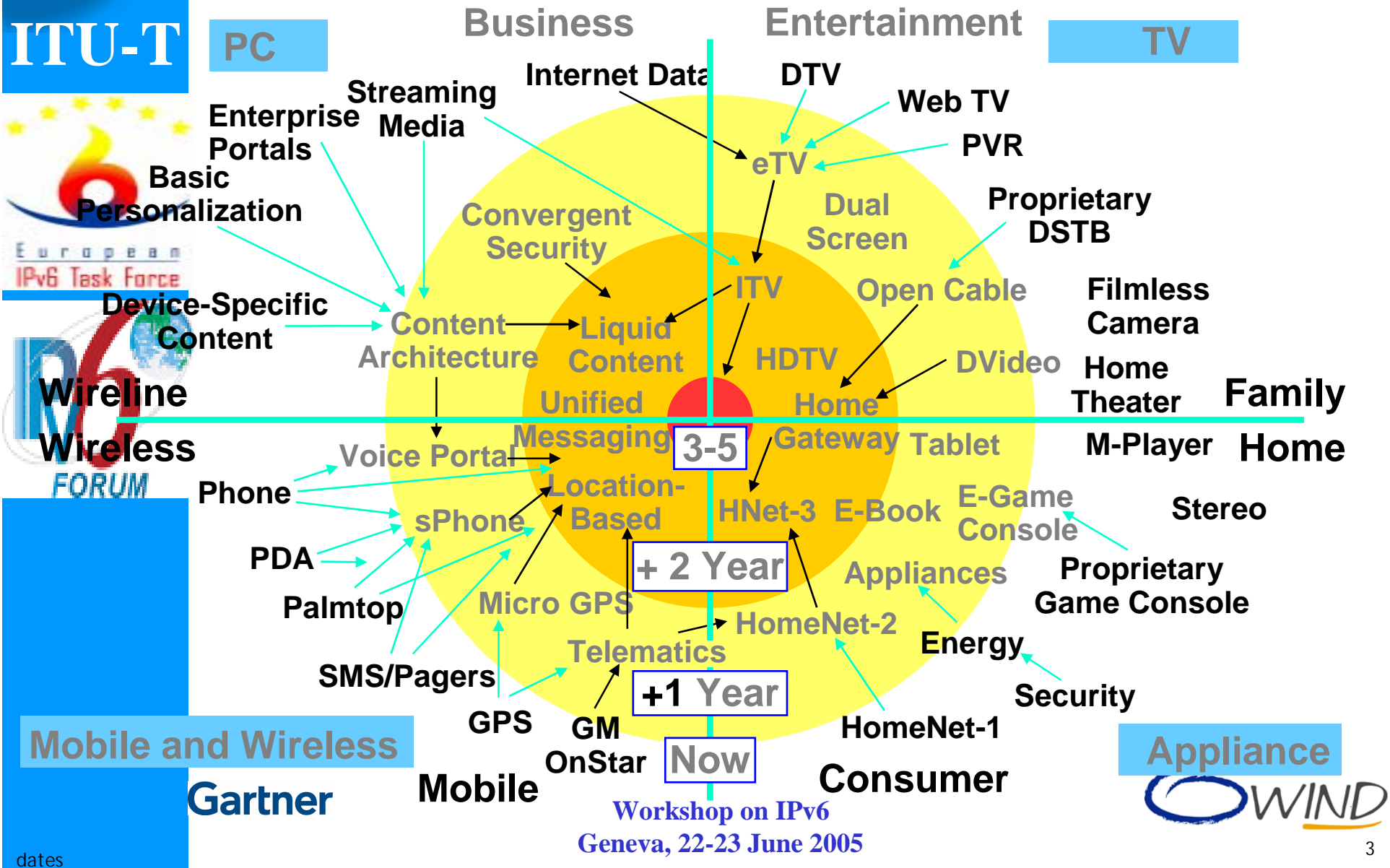
Asking The Right Questions

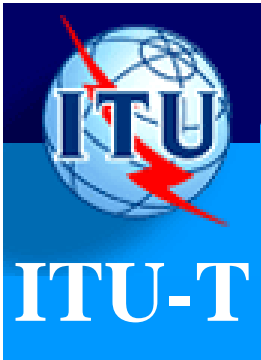
- The Question Is NOT About
 - Whether we need IPv6 or
 - When we need IPv6
- The Question is about:
 - What role IPv6 plays in a digital society?
 - What goal can it help to achieve?
 - What should be the strategy for implementation?





In a Converging Landscape





IPv6 is Pure Technology

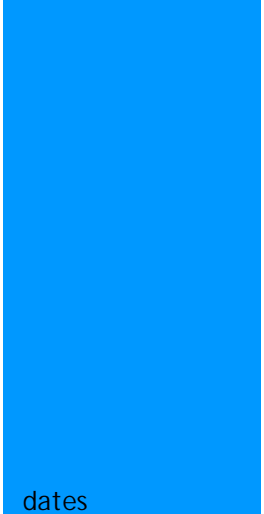
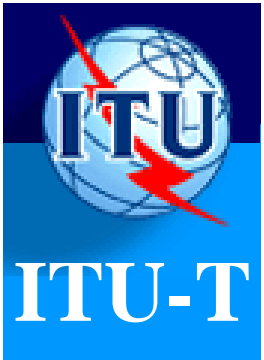
BUT, like these pillars

It has the ability to scale up
and bridge the digital gap for
new services!



Workshop on IPv6
Geneva, 22-23 June 2005





Convergence: The European Drivers

Workshop on IPv6
Geneva, 22-23 June 2005





Started with Industry & Commercial



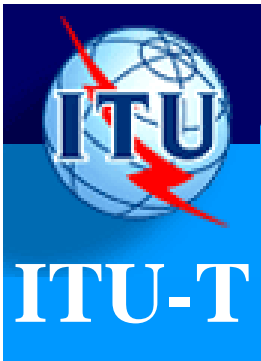
- IPv6-enabled Solutions & Applications:
 - Software: 6WIND (networking),

Need to Complete with Global European Vision + Policy?

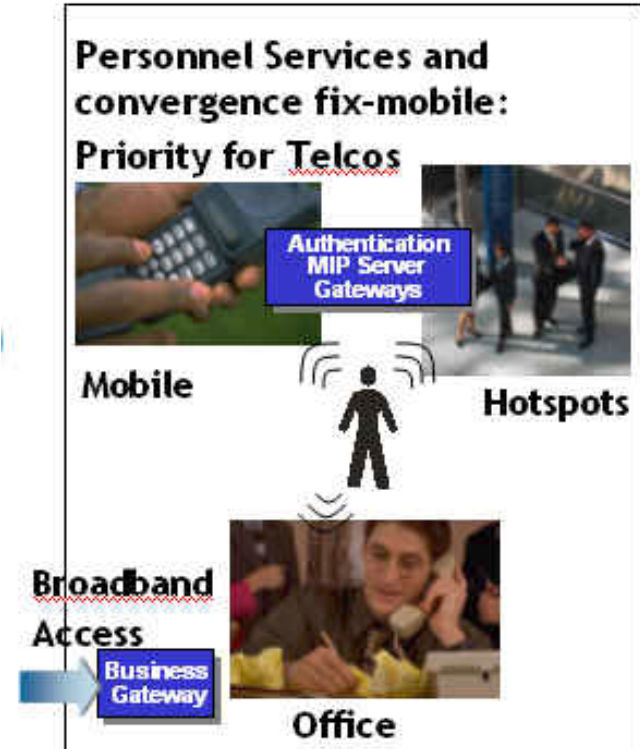
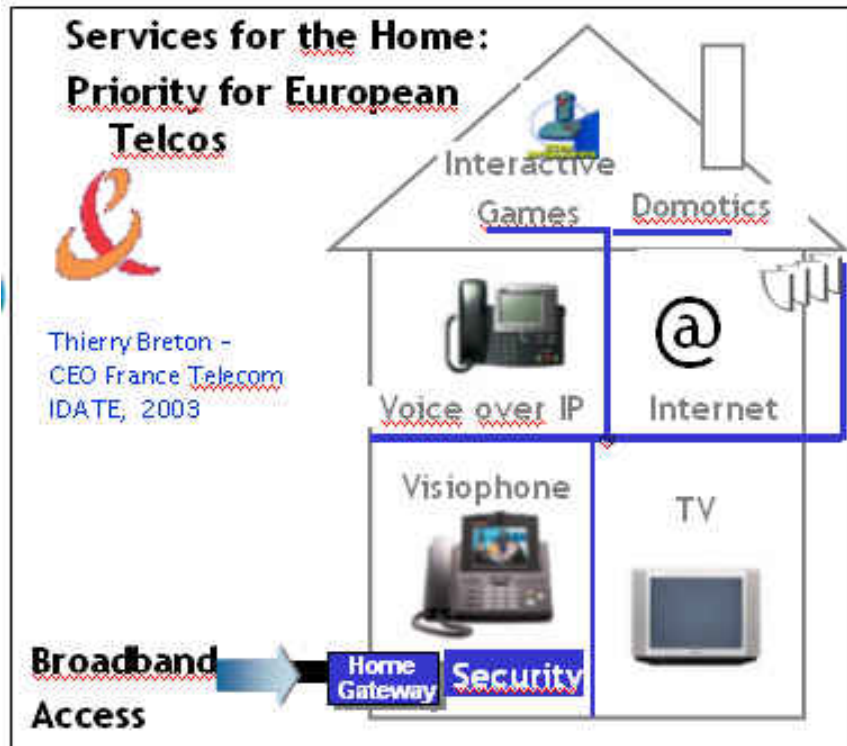
- Defense: MoDs, Alcatel, NOKIA, Inales ...
- Regional techno
- Car-2-Car Consortium: veh telematics
- Industry Groups: FT, Renault, ESA, Eurocontrol ...

Workshop on IPv6
Geneva, 22-23 June 2005





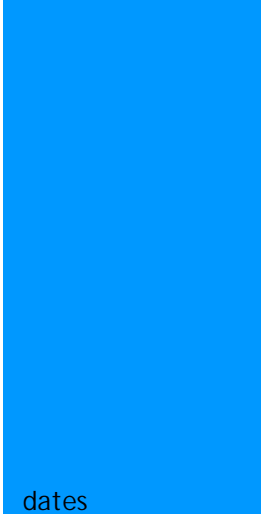
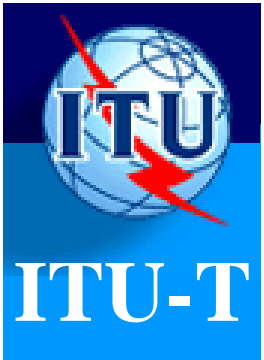
To Sustain Growing Services



- Broadband throughput increases with triple play services
- Smart Internet-connected devices increases
- Always-on access with extended reach
- Access network independant
- Unique authentication
- Name servers
- Wireless & PLC on the rise

Workshop on IPv6
Geneva, 22-23 June 2005

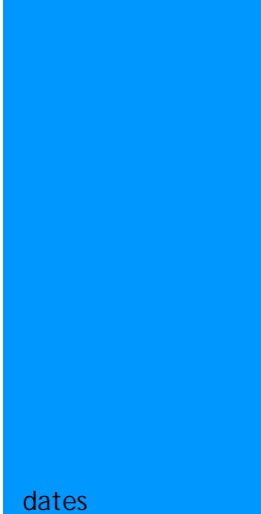




Convergence: The Japanese Vision

Workshop on IPv6
Geneva, 22-23 June 2005

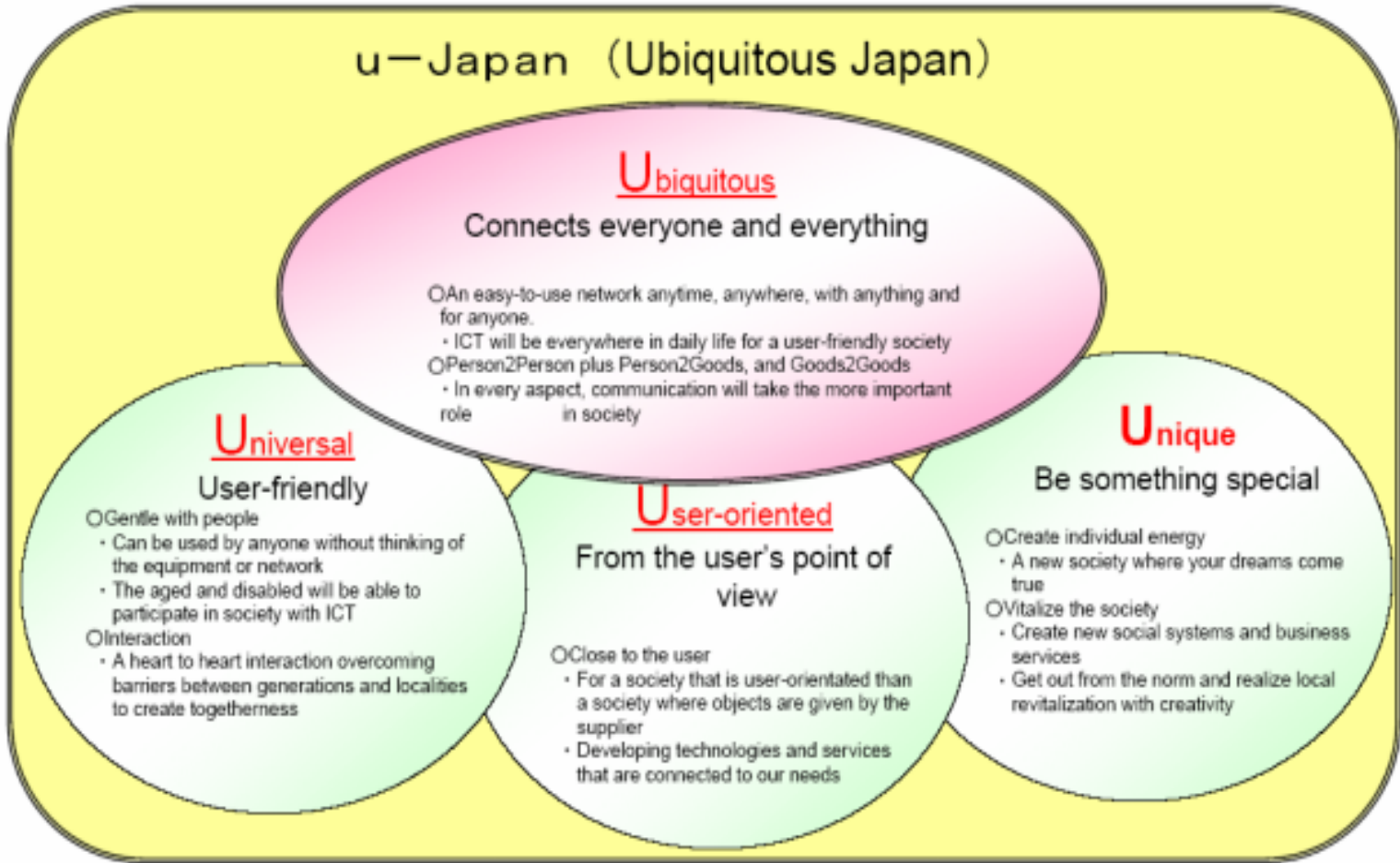




Basic u-Japan Concept

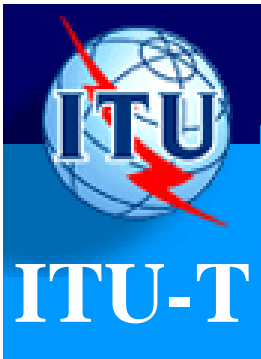
MIC

u-Japan is the next generation ICT society from 2010



Workshop on IPv6
Geneva, 22-23 June 2005





Procurement of IPv6 Devices

MIC

The e-Government Creation Plan was revised to encourage the adoption of "IPv6". The procurement of IPv6 capable devices will be facilitated.

e-Government Creation Plan (revised)

June 14, 2004

Inter Ministerial CIO Liaison Conference

2 Improvement of the information system and its management

(5) Advancement of the information system

Each Ministry shall plan to advance its information system by gradually introducing the technological innovations such as IPv6, based on its Optimization Plan of Work and Systems.

e-Government Creation Plan (MIC)

2 Improvement of the information system and its management

(2) Introduction of IPv6

In order to realize the efficient and effective management, the LAN of the Ministry of Internal Affairs and Communications shall be gradually migrated to IPv6, based on the Optimization Plan of the MIC network.



Workshop on IPv6
Geneva, 22-23 June 2005

Supply of Commercial products

MIC

- Various commercial products have been placed in the market
 - network camera, printer, router, IP phone, LSI, building management system, etc.



- IPv6 connection service (Major topic)
 - Plala Networks (NTT Group) started IPv6 multicast personal IP TV service.
 - NTT East & West started IPv6 video phone service .

- Interoperability

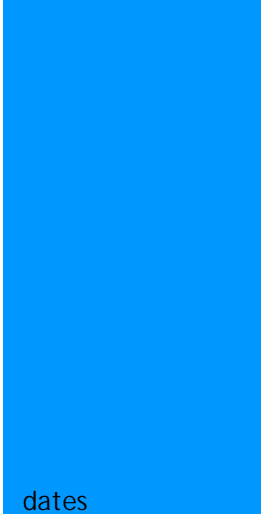
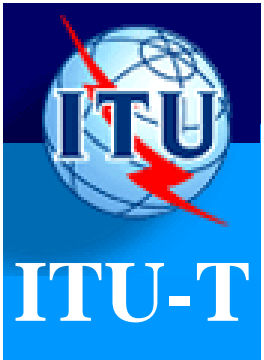
IPv6ReadyLogoProgram

the devices that pass a certain test to confirm the interoperability with other devices are furnished with "IPv6 Ready Logo"

As of January 31 2005, 137 products have obtained the Logo and the number is increasing. (67 Japanese Vendors' products are included)



IPv6ReadyLogo



Convergence: Korean Alchemy for Success

Workshop on IPv6
Geneva, 22-23 June 2005

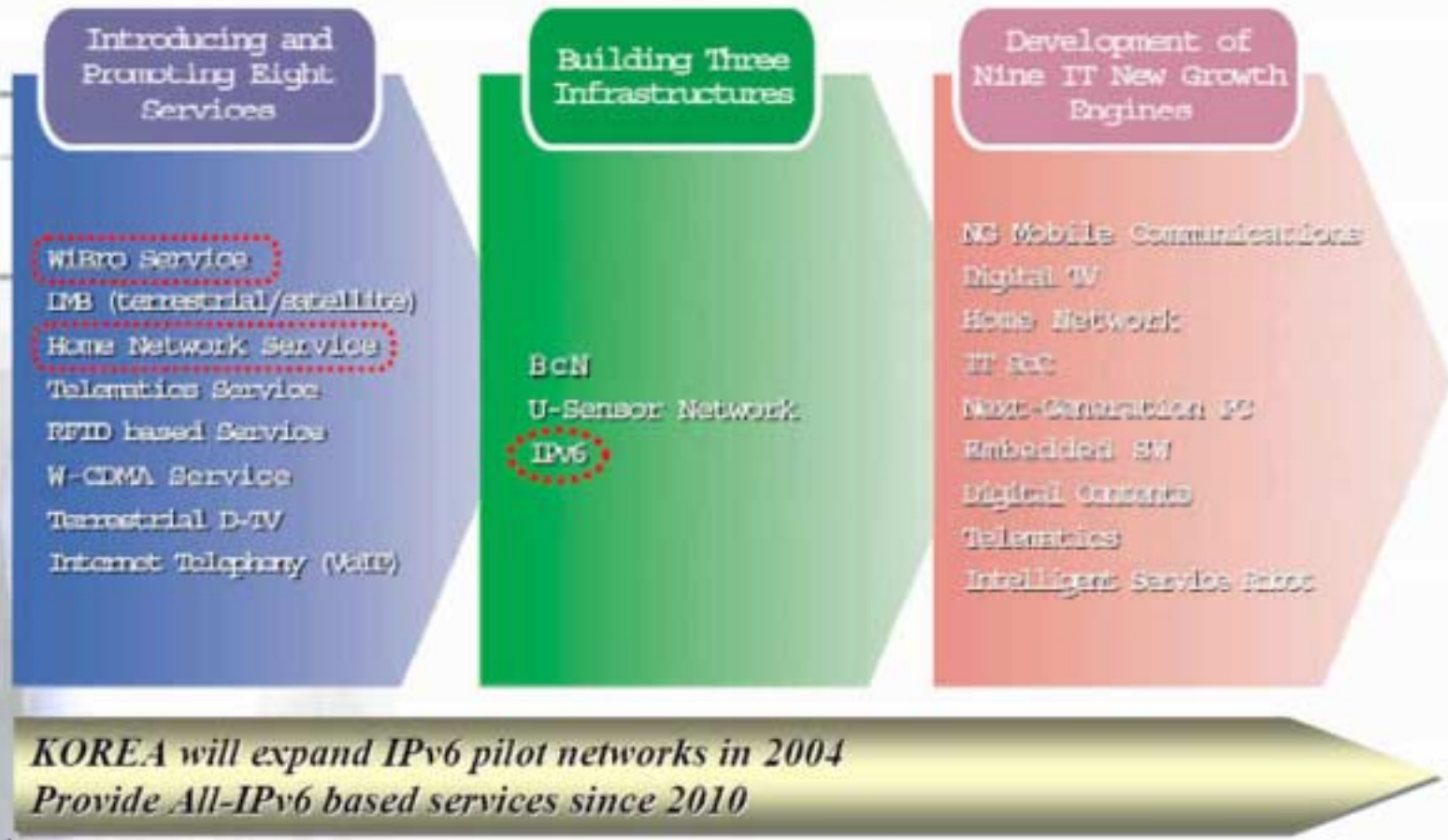




Clear MIC Policy & Strategy

IT839 and IPv6 Policy

- IT839 Strategy: A master plan for the IT industry, in an effort to gain more growth momentum from the IT sector in Korea.

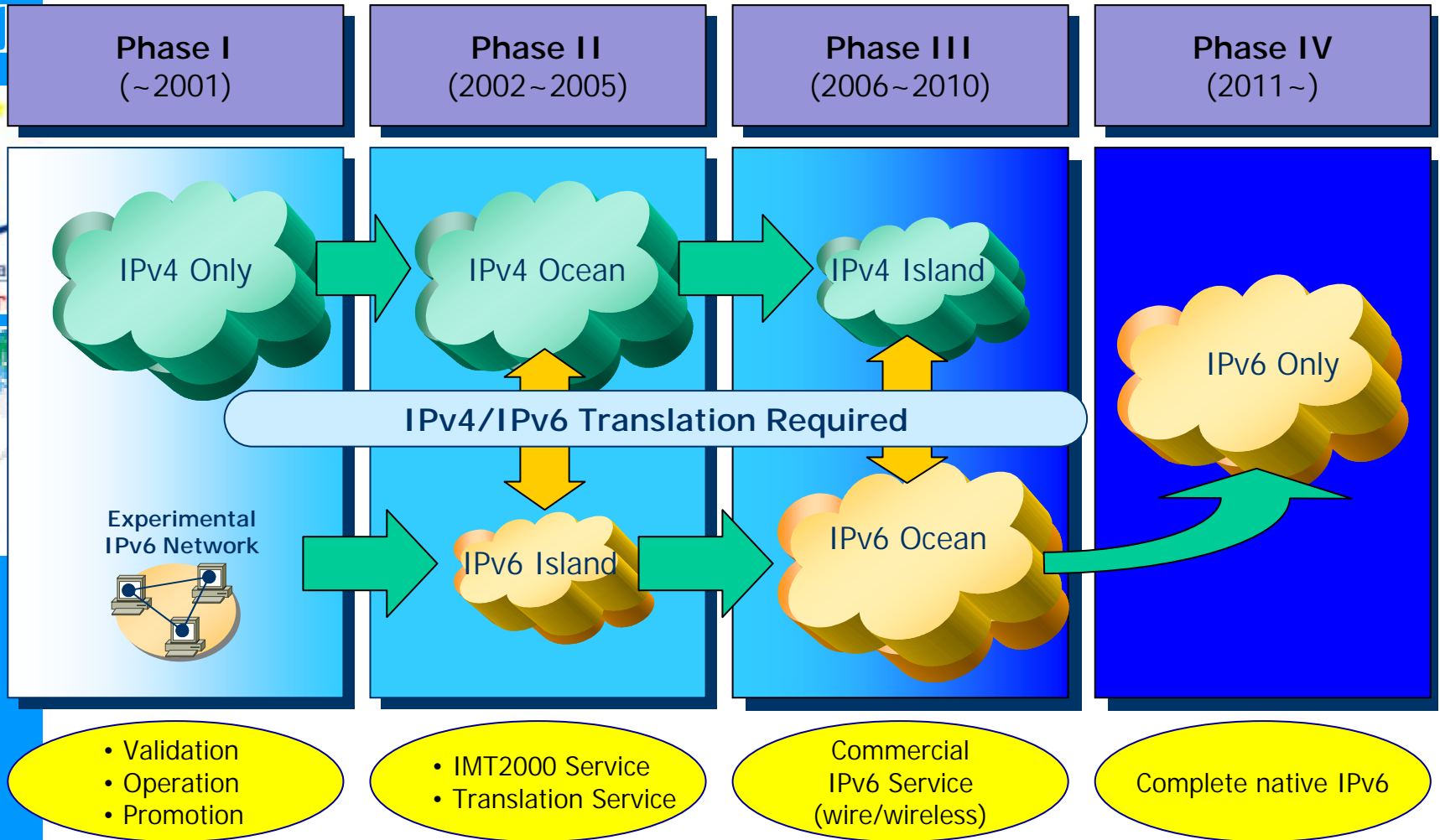


dates

Workshop on IPv6
Geneva, 22-23 June 2005

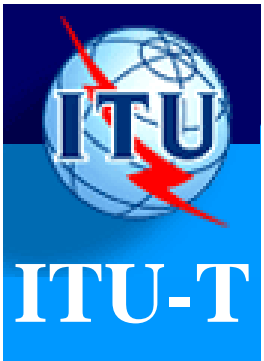


Clear Transition Timeline

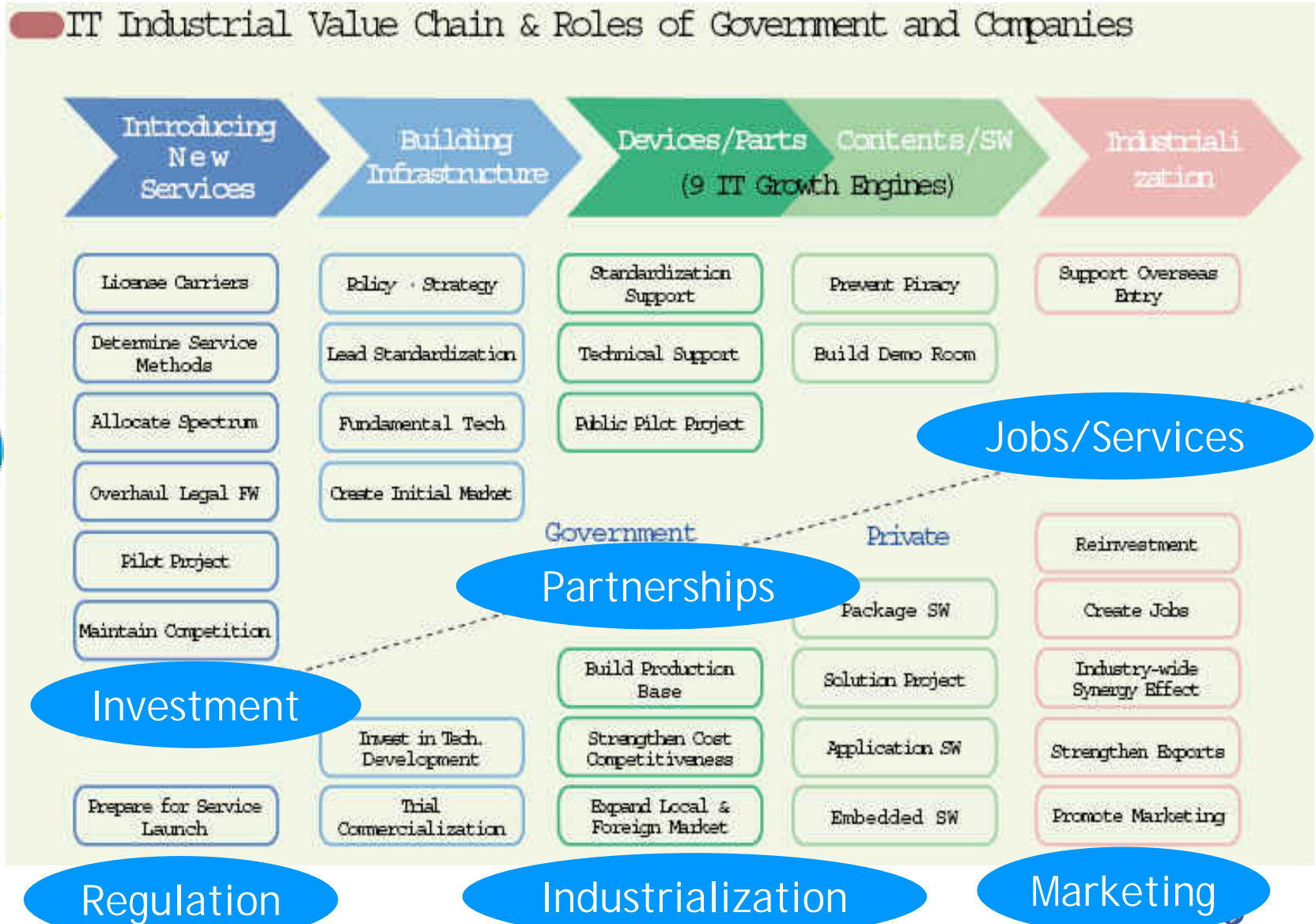


Workshop on IPv6
Geneva, 22-23 June 2005





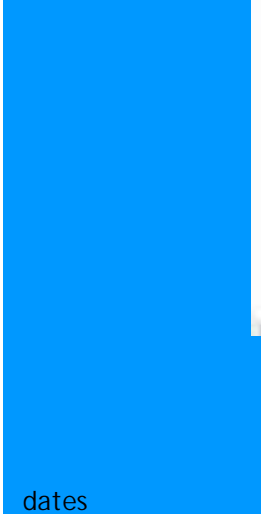
Clear Definition of Stakeholder Roles



Workshop on IPv6
Geneva, 22-23 June 2005

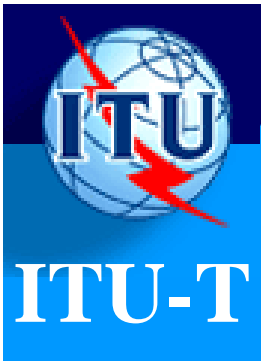


IPv6-Ready Solutions



Workshop on IPv6
Geneva, 22-23 June 2005



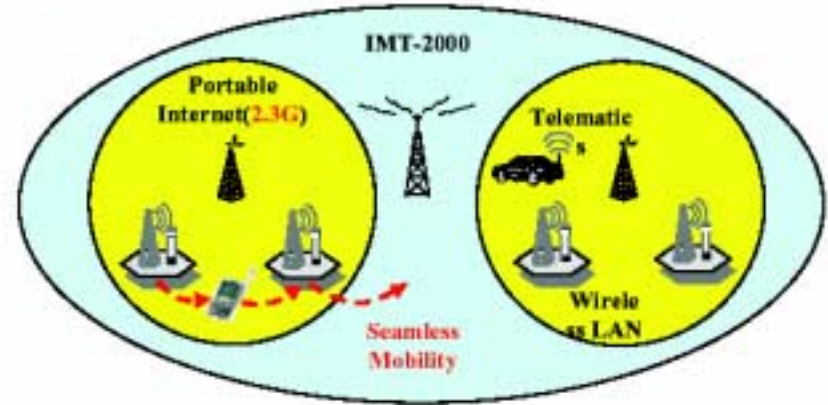


Prioritize Pragmatic Applications

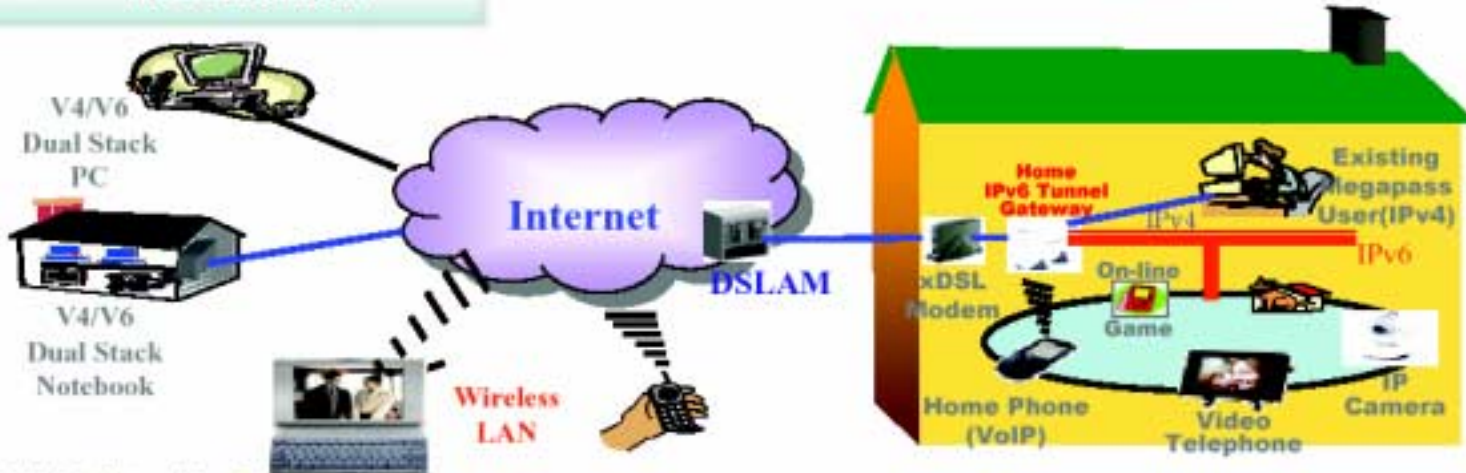
Peer-to-Peer communications



Mobile IPv6



Home Network



KT The Value Networking Company

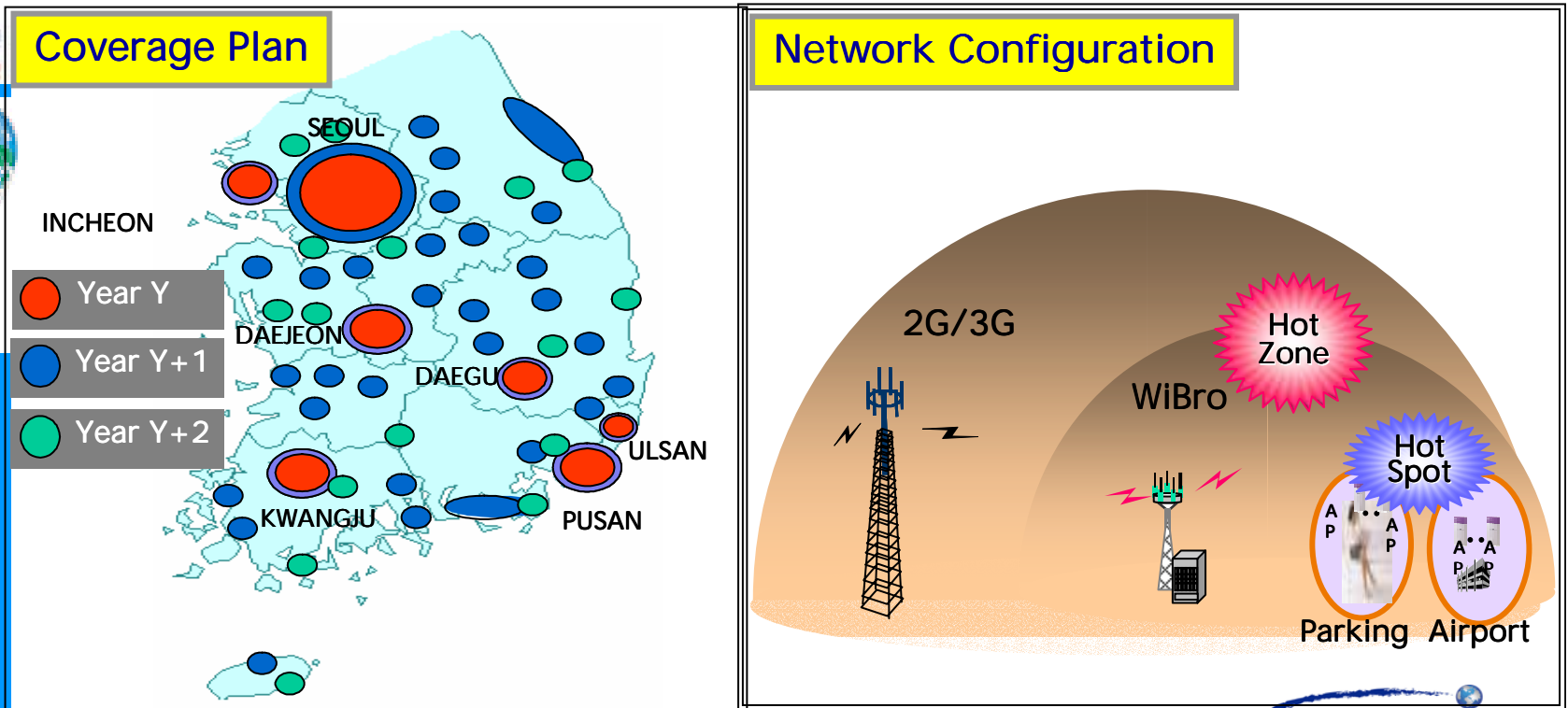
14

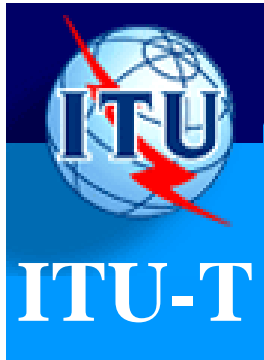


Workshop on IPv6
Geneva, 22-23 June 2005

Coverage for User Benefit

- In the first three years, IPv4/IPv6 WiBro will cover 84 cities in Korea.
 - 90% of 48 million population will be covered





Convergence of ICT-Economy-Society

- IPv6 Implementation must incorporate:
 - Clear vision & policies - ICT+Economy+Society
 - Clear transition timeline
 - Clear application & service focus
- Driven by:
 - Public & Private Sector
 - Smart Commercial Partnerships
 - User Benefits



Workshop on IPv6
Geneva, 22-23 June 2005

