



# ***Panel Applications and Services***

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# **We all agree**

- **Early, smooth IPv6 deployment**
  - Early: Longer waits = higher bills
  - Smooth: Avoid Y2K-style costs
- **A concerted effort to consolidate and integrate European efforts is a must:**
  - Develop the skills base
  - Sustained European research
  - Accelerate standards / specifications work
  - Promote awareness
  - Ensure deployment
- **IPv6 is a key issue on the road ahead to the new-economy.**



## **We do not seem to be capable to listen to the concerns expressed**

- **Why move to IPv6 if IPv4 will only run out of addresses in 2040?**
- **What do I get in return for my investment in IPv6?**
- **Why do I need an always-on identity?**
- **Why is power to edge needed?**
- **Show me clear cut IPv6 innovative services and applications**



# **Hard business evidence is urgently needed**

- **Challenges of mobile and wireless Internet can only be met by IPv6**
- **IPv4 provides costly, limited, inefficient, insecure, patchy alternative**
- **IPv6 also enables new services which cannot be implemented with IPv4**



# Actions needed from industry

- Focus must be on deployment and showcase
- IPv6 deployment in Europe must be benchmarked
- Liaison with RIPE must be improved
- Clear IPv6 business case for operators, companies, ISPs, WISPs, must be established:
  - For the vast majority the only thing that IPv6 offers is an increased address space
  - They do not understand that NAT is a growth barrier
  - They do not see the added value of IPv6 be it in growth potential, added revenues, ease of use, increased services, added efficiency
- Pressure on 3GPP must be maintained
- Consumer electronics companies must join the bandwagon
- Synergies must be explored with RFID
- Governments must be persuaded (e-government applications)
- Awareness creation momentum can not stop