

IPv6 Deployment

IPv6 Task Force
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Worldwide Internet/ISP Trends

www.nua.com

580M people on line
predict 1B by 2005

- Always On 
- Number of devices 
- Number of addresses 
- Need for **globally** routable addresses 
- Security 
- Mobility 
- End user Cost 
- Operating Cost 

**To stop the Internet
fragmenting and to
ensure transparency
IPv6 is needed**

European Internet/ISP Trends

- Various EU/Government initiatives
 - e-commerce
 - Internet access for everyone
 - Electronic government services
 - Health
- Access trends - ADSL, SDSL, VDSL, Satellite, FTTH, GigE, WLAN, 3G ...
- Trends:
 - Always On, more users, more devices, more addresses,
more P2P applications – IPv6



So how do we make this happen

- ISP's will only deploy IPv6 when its commercially viable!
 - Make money by:
 - Additional revenues
 - More efficient to deploy



So how do we make this happen

- Not - DNS, Securing, AAA ...
- Core – probably OK, MPLS 6PE, tunnels ...
- Access – slow as no revenue streams so no deployment
- Applications – starting to become available but more needed especially entertainment, home automations, P2P (VoIP, gaming ...) etc
- What is the Home Network!
- Automotive, Military, Health
- KEY - Multi-homing
- User/network Interface
- EU projects not coordinated ie cannot say what will be in FP6 – research not directed to commercial requirements
- IPv6 in GPRS?
- WLAN – Mobile IP – road warrior/business user
- ???

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