UK IPv6 Task Force

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EU IPv6 TF Meeting
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UK IPv6 TF status…

- Held two "unofficial" meetings
  - Task Force self-formed
  - Representatives with existing IPv6 interest:
    - from ISOC UK, U.Southampton, UCL, U.Lancaster, UKERNA, Cisco, 6WIND, NTT, BT Exact, LINX, Xchangepoint, Microsoft, IBM
    - Chaired by Christian de Larrinaga (ISOC UK)
  - Self-funded so far
  - Discussing the issues with UK focus
  - Determining realistic objectives for the TF
    - In part determined by participants own interests
    - …but also by the EU IPv6 TF recommendations

UK IPv6 deployment

- It is a matter of when, not if
- Asia is leading IPv6 deployment
  - Excellent examples from IPv6 Promotion Council in Japan
- The UK is not leading EU deployment
  - But no-one has made any significant advances yet
- User demand for IPv6 is low
  - But users want applications, not IPv6 per se
  - Applications waiting for IPv6 deployment!
- Government does not see IP infrastructure as a public policy issue or resource

Breaking the egg…

- Understand IPv4 exhaustion timescale
- IPv6 is an enabler for innovation
  - The Web only emerged 10 years after IPv4 deployed
- Lead with network deployment
  - But 3G slowed by economic climate
  - Is IPv6 deployable within GPRS networks?
  - What about dual-stack DSL or cable routers?
- Reduce investment risk perception of IPv6
  - Difficult given the current .bust environment
- Seek Government stimulation and adoption for public services where appropriate

Government issues…

- **UK Government has an e-Britain vision**
  - But sees IPv6 as an industry issue
  - Thus not as an enabler for e-Britain
- **No appreciation of societal impact**
  - Has impact on policies
  - How does IPv6 as an enabler affect society?
  - Needs to go hand-in-hand with broadband
- **IPv6 offers an open standards-based mechanism as a network protocol for content delivery**
- **Public sector use only in academic networks**
  - But UK academic network has non-commercial AUP

General issues...

- Mandating IPv6 is not wise (think OSI!)
  - Encourage IPv6 consideration in procurements
    - e.g. in the National Health Service
  - UK academic network has no native IPv6 service yet
- Need support infrastructure for IPsec
  - A PKI deployment is not available
- Need to analyse barriers to IPv6 deployment
- Research projects running in EU
  - Need "successful outcome" case studies
    - e.g. WLAN roaming with Mobile IPv6 in 6NET project
  - Need business cases showing IPv6 advantages

UK Taskforce

- **Self-standing, focused on the UK**
  - Only include participants with a UK presence
- **Liaise with EU TF**
  - Represent TF in appropriate UK bodies
  - Identify events to raise awareness
- **Derive targeted set of achievable objectives**
  - Need clear business cases and IPv6 case studies
  - Produce roadmap documents
- **Seek UK funding via the DTI**
  - Attract industry participation and support
  - Engage end users and adopters (at CEO level)
- **Establish web site and mail list**