

IPv6

TF-NGN 12

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Agenda (1)

- IPv6 Status
- IPv6 Land Speed Record
 - Daniel Davids, CERN (<http://cern.ch/ipv6-lsr>)
- M6Bone status
 - Bernard Tuy, Renater
- M6Net status
 - Stig Venaas, UNINETT
- IPv6 Multicast work within the IETF
 - Stig Venaas, UNINETT

Agenda (2)

- IPv6 testbed facilities on GÉANT (new GTPv6...)
 - Marian Garcia Vidondo, DANTE
- IPv6 testing within GÉANT and the NRENs
 - Carlos Friacas, FCCN
- IPv6 Multicast on GÉANT
 - Discussion and vendor comments
- NREN updates
- IPv6 deployment discussion - barriers and carrots
 - Tim Chown, Uni. Southampton/UKERNA

IPv6 GÉANT Status

- IPv6 deployed on GÉANT
 - 18 NRENs connected natively, 6 by tunnels
 - 5 to be connected (Malta, Cyprus, Slovakia,...)
 - Native connectivity to Abilene, ESnet, Canarie
- Proposed Year 4 activities
 - IPv6 monitoring enhancement
 - IPv6 Multicast
 - And...? Deployment push?
- GÉANT successor
 - Identify work items, consider JRA-4 testbed

6NET Status

- The project is at its halfway point
 - Completes in December 2004
- Native IPv6-only network deployed
 - Now clearly experimental given GÉANT IPv6
 - “Disruptive” tests, e.g. IPv6 Multicast (M6Net)
- Now focusing on applications and services, e.g.:
 - DNS (WP3)
 - Transition/coexistence cookbooks (WP2)
 - Application trials, Grid and E-business systems (WP5)
 - Management and monitoring tools (WP6)

IPv6 in the IETF

- IPv6 WG
 - Heavy debate over deprecation of site-local addresses
- Multi6 WG
 - Still no clear path for IPv6 multihoming
- V6 Ops WG
 - ISP, Enterprise, 3G, Unmanaged network scenarios
- DNS WG
 - Discussion over stateless DNS resolver discovery
- Key standards completing: DHCPv6, MIPv6