

3GPP-IPv6 Design Team Status

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BACKGROUND

- Output of joint IPng w.g. and 3GPP session at interim meeting in Redmond
- Goals
 - Review 3GPP's current usage of IPv6 and make recommendation for improvements
 - Write ID to be submitted to IPv6 w.g.
- Non-Goals
 - Redesign of 3GPP architecture / protocols
 - Non-Goal example: Change 3G mobility to use Mobile IPv6

MEMBERS

- Bob Hinden (Chair)
- Steve Deering
- Karim El-Malki
- Paul Francis
- Christian Huitema
- Niall Richard Murphy
- Thomas Narten
- Erik Nordmark
- Markku Savela
- Jonne Soininen
- Margaret Wasserman (Document editor)

TOPICS

- Allow use of standard IPv6 implementations
- Addressing
 - Single address per PDP context (current)
 - Prefix per PDP context
 - Per device
 - same prefix for all PDP context's for same device
 - shared among PDP context's for many devices
 - Node able to create multiple addresses
 - Static or temporary IPv6 addresses

TOPICS (CONTUNED)

- Model for support of devices behind handset
 - Router, bridge, proxy
- DNS
 - Locating a DNS server
 - Handset address in DNS
- Security
- MTU
- Issues left to implementers in 3GPP specifications

TOPICS (CONTUNED)

- Transition
 - IPv6 only, dual stack, etc
 - Communication with IPv4 internet
- Remote Management
 - MIB support

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