6MAN Working Group
IETF 86, Orlando

Bob Hinden

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Administrivia

- Minutes taker: Fernando Gont

  Etherpad: http://tools.ietf.org/wg/6man/minutes

- Jabber Scribe: <your name here>

- Please sign blue sheets

Agenda (1 of 3)

- Introduction, Agenda Bashing, Document Status, Chairs, 15 min.

- Charter Update, Chairs, 10 min.

- A method for Generating Stable Privacy-Enhanced Addresses with IPv6, Fernando Gont, 10 min.
  - draft-ietf-6man-stable-privacy-addresses

- The U and G bits in IPv6 Interface Identifiers , Sheng Jiang, 15 min.
  - draft-carpenter-6man-ug

- U/G Bits (Softwire Request), Chairs, 15 minutes.

- Transmission of IPv6 Extension Headers, Sheng Jiang, 15 min.
  - draft-carpenter-6man-ext-transmit

Agenda (2 of 3)

- Updates to the IPv6 Multicast Addressing Architecture, Stig Venaas, 15 min.

  - draft-boucadair-6man-multicast-addr-arch-update

- Transmission of IPv6 packets over ITU-T G.9959 Networks, Anders Brandt, 10 min.

  - draft-brandt-6man-lowpanz

Agenda / If time permits (3 of 3)

- Security Implications of IPv6 options of Type 10xxxxxd, Fernando Gont, 5 min.
  - draft-gont-6man-ipv6-smurf-amplifier
- A Simple Secure Addressing Generation Scheme for IPv6 AutoConfiguration, Hosnieh Rafiee, 5 min.
  - draft-rafiee-6man-ssas-02
- 6LoWPAN Backbone Router, Pascal Thubert, 5 min.
  - draft-thubert-6lowpan-backbone-router
- DHCPv6/SLAAC Address Configuration Interaction Problem Statement,, Bing Liu, 5 min.
  - draft-liu-bonica-dhcpv6-slaac-problem

6MAN Document Status

draft-ietf-6man-addr-select-opt-08	Distributing Address Selection Policy using DHCPv6	2013-01-15	AD Evaluation::External Party (for 3 days) ⊞ Submitted to IESG for Publication
draft-ietf-6man-dad-proxy-06	Duplicate Address Detection Proxy	2013-02-25	IESG Evaluation::AD Followup (for 17 days) ⊞ WG Document
draft-ietf-6man-enhanced-dad-02	Enhanced Duplicate Address Detection	2013-02-05	I-D Exists ⊞ WG Document
draft-ietf-6man-impatient-nud-05	Neighbor Unreachability Detection is too impatient	2012-10-22	AD Evaluation::Revised ID Needed (for 2 days) ⊞ Submitted to IESG for Publication
draft-ietf-6man-ipv6-atomic-fragments-03	Processing of IPv6 "atomic" fragments	2012-12-29	Approved-announcement to be sent::Point Raised - writeup needed (for 14 days) ⊞ Submitted to IESG for Publication
draft-ietf-6man-nd-extension-headers-03	Security Implications of IPv6 Fragmentation with IPv6 Neighbor Discovery	2013-01-14	IESG Evaluation::Revised ID Needed (for 21 days) ⊞ Submitted to IESG for Publication
draft-ietf-6man-oversized-header-chain-02	Security and Interoperability Implications of Oversized IPv6 Header Chains	2012-11-05	I-D Exists ⊞ In WG Last Call
draft-ietf-6man-resilient-rs-00	Packet loss resiliency for Router Solicitations	2012-11-06	I-D Exists ⊞ WG Document
draft-ietf-6man-stable-privacy-addresses-03	A method for Generating Stable Privacy-Enhanced Addresses with IPv6 Stateless Address Autoconfiguration (SLAAC)	2013-01-29	I-D Exists ⊞ In WG Last Call
draft-ietf-6man-udpchecksums-08	IPv6 and UDP Checksums for Tunneled Packets	2013-02-21	RFC Ed Queue (for 3 days) RFC Editor State: EDIT*REF ⊞ Submitted to IESG for Publication
draft-ietf-6man-udpzero-12	Applicability Statement for the use of IPv6 UDP Datagrams with Zero Checksums	2013-02-25	RFC Ed Queue (for 3 days) RFC Editor State: EDIT*REF ⊞ Submitted to IESG for Publication

Current 6MAN Charter

The 6man working group is responsible for the maintenance, upkeep, and advancement of the IPv6 protocol specifications and addressing architecture. It is not chartered to develop major changes or additions to the IPv6 specifications. The working group will address protocol limitations/issues discovered during deployment and operation. It will also serve as a venue for discussing the proper location for working on IPv6-related issues within the IETF.

The working group's work items are as follows:

  o Complete work on RA Flags Option
  o Complete work on RH0 Deprecation
  o Complete work on IPv6 over PPP Compression Negotiation
  o Complete work on Centrally Allocated Unique Local Addresses (ULA-C)

All new work items not listed above require the approval of the working group and the sponsoring Area Director before they will be taken on by the working group.

Proposed 6MAN Charter

The 6man working group is responsible for the maintenance, upkeep, and advancement of the IPv6 protocol specifications and addressing architecture. It is not chartered to develop major changes or additions to the IPv6 specifications. The working group will address protocol limitations/issues discovered during deployment and operation. It will also serve as a venue for discussing the proper location for working on IPv6-related issues within the IETF.

The working group's work items are as follows:

o Resolve open issues with "U/G" bits in Interface Identifiers
o Develop approach for IPv6 Fragmentation
o Develop approach for IPv6 Extension Headers
o New IPv6 over <FOO> approaches

All new work items not listed above require the approval of the working group and the sponsoring Area Director before they will be taken on by the working group.

Possible Work Items

- Multiple Provisioning Domains
  - Richer information about external networks
  - <draft-korhonen-6man-prefix-properties>
- Improvements to ND for multi-homing
- Improving ND for Address Registration
  - Handling for low power/sleeping devices
  - <draft-thubert-6lowpan-backbone-router>
- Other?

Next Steps with Charter

- Comments from working group

- Discuss with Internet ADs

- Develop new milestones