6MAN Working Group
IETF 88, Vancouver

Bob Hinden

Ole Trøan (remote)

Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- **By participating with the IETF, you agree to follow IETF processes.**

- **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**

- **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

Administrivia

- ## Services
  - Jabber Room: 6man@jabber.ietf.org
  - Meetecho: http://www.meetecho.com/ietf88/6man
  - Etherpad: http://tools.ietf.org/wg/6man/minutes

- ## Minutes taker: Fernando Gont
- ## Jabber Scribe: Michael Richardson

- ## Please sign blue sheets

Agenda (1 of 2)

- Introduction, Agenda Bashing, Document Status, New Charter, *Chairs*, **15 min.**

- Updates to the IPv6 Multicast Addressing Architecture, draft-ietf-6man-multicast-addr-arch-update, *Stig Venaas*, **15 min**.

- Efficiency aware IPv6 Neighbor Discovery Optimizations, draft-chakrabarti-nordmark-6man-efficient-nd, *Samita Chakrabarti*, **15 min**.

- Wireless Neighbor Discovery Stateful Address Identification and Location exchange, draft-thubert-6man-wind-sail, *Pascal Thubert*, **15 min**.

- SSAS: A Simple Secure Addressing Generation Scheme for IPv6 AutoConfiguration, draft-rafiee-6man-ssas, *Hosnieh Rafiee*, **15 min**.

- Packet loss resiliency for Router Solicitations, draft-ietf-6man-resilient-rs , *Suresh Krishnan*, **10 min**.

- Privacy Considerations for IPv6 Address Generation Mechanisms, draft-ietf-6man-ipv6-address-generation-privacy, *Alissa Cooper*, **20 min**.

- Deprecating EUI-64 Based IPv6 Addresses, draft-gont-6man-deprecate-eui64-based-addresses , *Fernando Gont*, **15 min**.

Agenda (2 of 2)

Speed Talks (5 Minutes, 3 slides)

- IPv6 ND Option for Network Management Server Discovery, draft-liu-6man-nd-nms-discovery, *Bing Liu*, **5 min**.

- Identifying Addresses of IPv6 Tunnel Packets at Tunnel Exit-point, draft-liu-6man-ident-tunnel-packet-addr, *Cong Liu*, **5 min**.

- IPv6 Tunnel MTU Configuration, draft-liu-6man-tunnel-mtu-config, Cong Liu, **5 min**.

- The Subnetwork Encapsulation and Adaptation Layer (SEAL), draft-templin-intarea-seal-65, *Fred Templin*, **5 min**.

- Operational Issues Associated With Long IPv6 Extension Header Chains, draft-kumari-long-headers, *Ron Bonica*, **5 min**.

Document status (1 of 3):

- **RFCs since last IETF:**
  - RFC6980 - Security Implications of IPv6 Fragmentation with IPv6 Neighbor Discovery
- **RFC Editor Queue**
  - draft-ietf-6man-addr-select-opt-13
  - draft-ietf-6man-ext-transmit-05
  - draft-ietf-6man-impatient-nud-07
- **@IESG:**
  - draft-ietf-6man-oversized-header-chain-08
  - draft-ietf-6man-stable-privacy-addresses-14
  - draft-ietf-6man-ug-04

Document status (2 of 3)

- WGLCs:
  - draft-ietf-6man-resilient-rs-02 (need reviewers)
- Ready for WGLC:
  - draft-ietf-6man-enhanced-dad-03
  - draft-ietf-6man-multicast-scopes-00
- Working group drafts
  - draft-ietf-6man-multicast-addr-arch-update-02
  - draft-ietf-6man-ipv6-address-generation-privacy-00

Document status (3 of 3)

- Considerations for IPv6 Address Selection Policy Changes (draft-ietf-6man-addr-select-considerations-05)
  - Justified the work on the SAS/DAS policy option in DHCP.
  - If publishing it, it would largely be to keep "history"
    - RFC5220 (problem statement)
    - RFC5221 (requirements)
    - address-select-opt in RFC ED queue
  - Chairs recommend to not continue work on this document
    - This has been discussed with the authors, and we want to verify this with the working group.

Improving 6MAN document quality:

- IESG is moving to a process where they will send a document back to the WG. if there are many questions raised during an IETF Last call

- 6MAN Changes
  - Chair's review
  - Ask for 2 WG reviewers during WGLC

New 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.

6man is the design authority for extensions and modifications to the IPv6 protocol. The working group may, at its discretion, review any document produced in another working group that extends or modifies the IPv6 protocol and, in consultation with the responsible ADs of both working groups, may recommend to the IESG that 6man working group consensus is needed before any of those documents can progress for publication.

Milestones:

Done	Submit RH0 Deprecation specification to IESG as a Proposed Standard
Done	Submit PPP Compression Negotiation specification to IESG as a Proposed Standard
Done	Determine way forward for ULA-C specification
Nov 2013	Resolve open issues with "U/G" bits in Interface Identifiers
Mar 2014	Develop approach for IPv6 Fragmentation
Mar 2014	Develop approaches for IPv6 Extension Headers (Hop-by-Hop and Destination)
Jul 2014	Plan for advancing core IPv6 core specifications to Internet Standard.