6MAN Working Group
IETF 87, Berlin

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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/ietf87/6man
  - Etherpad: http://tools.ietf.org/wg/6man/minutes
- Minutes taker: Fernando Gont
- Jabber Scribe: Ralph Droms
- Please sign blue sheets

Agenda (1 of 3)

- Introduction, Agenda Bashing, Document Status, Chairs, 5 min.
- Charter Update, Chairs, 10 min.
- Privacy & IPv6 Addresses
  - Privacy Considerations for IPv6 Address Generation Mechanisms, Alissa Cooper, 20 min.
    - draft-cooper-6man-ipv6-address-generation-privacy ,
  - A method for Generating Stable Privacy-Enhanced Addresses with IPv6, Fernando Gont, 10 min.
    - draft-ietf-6man-stable-privacy-addresses
  - Router Advertisement based privacy extension in IPv6 autoconfiguration, Hosnieh Rafiee, 10 min.
    - draft-rafiee-6man-ra-privacy

Agenda (2 of 3)

- IPv6 Fragment Header Deprecated, Ron Bonica, 15 min.
  - draft-bonica-6man-frag-deprecate
- Operational Issues Associated With Long IPv6 Extension Header Chains, Warren Kumari, 10 min.
  - draft-wkumari-long-headers
- IPv6 Performance and Diagnostic Metrics Destination Option, Nalini Elkins, 10 min.
  - draft-elkins-6man-ipv6-pdm-dest-option
- IPv6 Multicast Address Scopes, Ralph Droms, 10 min.
  - draft-droms-6man-multicast-scopes
- Updates to the IPv6 Multicast Addressing Architecture, Stig Venaas, 10 min.
  - draft-boucadair-6man-multicast-addr-arch-update ,

Agenda (3 of 3)

- Efficiency aware IPv6 Neighbor Discovery Optimizations, Samita Chakrabarti, 10 min.
  - draft-chakrabarti-nordmark-6man-efficient-nd

- If Time Permits
  - IPv6 RA Options for Next Hop Routes , Behcet Sarikaya, 5 min.
    - draft-sarikaya-6man-rfc4191bis
  - SSAS: A Simple Secure Addressing Generation Scheme for IPv6 AutoConfiguration, Hosnieh Rafiee, 5 min.
    - draft-rafiee-6man-ssas
  - IPv6 Prefix Properties, Jouni Korhonen, 5 min.
    - draft-korhonen-6man-prefix-properties
  - IPv6 Prefix Meta-data and Usage, Ian Farrer, 5 min
    - draft-lepape-6man-prefix-metadata

Document status I:

- RFCs since last IETF:
  - RFC6935 - IPv6 and UDP Checksums for Tunneled Packets
  - RFC6936 - Applicability Statement for the Use of IPv6 UDP Datagrams with Zero Checksums
  - RFC6946 - Processing of IPv6 "Atomic" Fragments
  - RFC6957 - Duplicate Address Detection Proxy
- @IESG:
  - draft-ietf-6man-addr-select-opt-10
  - draft-ietf-6man-impatient-nud-06
  - draft-ietf-6man-nd-extension-headers-05

Document status II

- WGLCs:
  - draft-ietf-6man-ext-transmit-01 (active)
  - draft-ietf-6man-ug-01 (active)
  - draft-ietf-6man-oversized-header-chain-03
- Documents returned:
  - draft-ietf-6man-stable-privacy-addresses-10
- Working group drafts:
  - draft-ietf-6man-resilient-rs-01
  - draft-ietf-6man-enhanced-dad-03
  - draft-ietf-6man-addr-select-considerations-05
  - draft-ietf-6man-multicast-addr-arch-update-01
  - draft-ietf-6man-predictable-fragment-id-00

Document status III

- In the queue for adoption call:
  - draft-gont-6man-ipv6-smurf-amplifier-03
  - draft-brandt-6man-lowpanz-02
  - draft-droms-6man-multicast-scopes-02

Source: https://datatracker.ietf.org/wg/6man/

Improving 6MAN document quality:

- IESG is moving to a process where they will send a document back to the w.g. if there are many questions raised during an IETF Last call
- 6MAN Changes
  - Chair's review
  - Ask for 2 WG reviewers during WGLC

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 6MAN WG will review all proposed extensions to IPv6 developed in other working groups to ensure that they are consistent with the IPv6 architecture and specifications.

The working group's work items are as follows:

- Resolve open issues with “U/G” bits in Interface Identifiers
- Develop approach for IPv6 Fragmentation
- Develop approaches for IPv6 Extension Headers (Hop-by-Hop and Destination)
- Extensions/changes to core IPv6 protocols such as IPv6 Neighbor Discovery
- New IPv6 over <FOO> approaches if appropriate for 6MAN
- Multiple Provisioning Domains

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.

Next Steps with Charter

- Comments from working group
- Discuss with Internet ADs
- Develop new milestones