6MAN Working Group
IETF 93, Prague

Bob Hinden

Ole Trøan

Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

  The IETF plenary session

  The IESG, or any member thereof on behalf of the IESG

  Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices

  Any IETF working group or portion thereof

  Any Birds of a Feather (BOF) session

  The IAB or any member thereof on behalf of the IAB

  The RFC Editor or the Internet-Drafts function

  All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Administrivia

- ## Services
  - Jabber Room: 6man@jabber.ietf.org
  - Meetecho: http://www.meetecho.com/ietf93/6man
  - Etherpad: http://tools.ietf.org/wg/6man/minutes
- ## Minutes taker: *Lee Howard, Suresh Krishnan*
- ## Jabber Scribe: *Andrew Yourtchenko, Loganaden Velvindron*
- ## Presentations:
  https://datatracker.ietf.org/meeting/93/materials.html
- ## Please sign blue sheets

Agenda (1 of 2)

Introduction, Agenda Bashing, Document Status, *Chairs*, 10 min.

Active Individual Drafts

- Republishing the IPV6-MIBs as obsolete, draft-fenner-ipv6-mibs-obsolete, Bill Fenner, 10 min.

- Source Address Dependent Routing for IPv6 hosts analysis, Brian Carpenter, 20 min.

- IPv6 Hop-by-Hop Header Handling, draft-baker-6man-hbh-header-handling, Fred Baker, 15 min.

- IPv6 Segment Routing Header (SRH), draft-previdi-6man-segment-routing-header, Stefano Previdi, 10 min.

- Implications of Randomized Link Layers Addresses for IPv6 Address Assignment, draft-huitema-6man-random-addresses, Christian Huitema, 10 min.

Agenda (2 of 2)

- IPv6 specifications to Internet Standard, Chairs, 20 min.

New Individual Drafts

- RA power measurements, Lorenzo Collitti, 5 min.
- Guidelines for New Router Advertisement Options, draft-sarikaya-6man-ra-guidelines, Dan Ludtke / Behcet Sarikaya, 5 min.
- CGA SEC Option for Secure Neighbor Discovery Protocol, draft-jiang-6man-cga-sec-option, Sheng Jiang, 5 min.
- Transmission and Processing of IPv6 Options, draft-gont-6man-ipv6-opt-transmit, Fernando Gont, 5 min.
- DNS Name Autoconfiguration for Internet of Things Devices, draft-jeong-homenet-device-name-autoconf, Jaehoon (Paul) Jeong, 5 min.

Document status

- RFCs since last IETF (92):
  - RFC7527 - Enhanced Duplicate Address Detection
  - RFC7559 - Packet-Loss Resiliency for Router Solicitations
- RFC Editor Queue
  - draft-ietf-6man-enhanced-dad-15
- @IESG:
  - draft-ietf-6man-ipv6-address-generation-privacy-07
  - draft-ietf-6man-predictable-fragment-id-08

Document status II

- WGLCs (awaiting resolution of chair's review):
<none>

- Active working group drafts

  - draft-ietf-6man-default-iids-05 Recommendation on Stable IPv6 Interface Identifiers
    Ready for WGLC

  - draft-ietf-6man-deprecate-atomfrag-generation-03
    Depends on 2460bis discussion

  - draft-ietf-6man-nd-opt-validation-00
    Incorporate in potential ND update

  - draft-jeong-6man-rdnss-rfc6106-bis-00 IPv6 Router Advertisement Options for DNS Configuration
    Just adopted

Document status III

- Adoption calls requested
  - draft-sarikaya-6man-sadr-overview-07
  - draft-krishnan-6man-maxra-02

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

Q: Next steps on DAD improvements

At the 6man WG meeting in Dallas there was discussion on what to do (if anything) about duplicate address detection. The background on this is documented in https://datatracker.ietf.org/doc/draft-yourtchenko-6man-dad-issues/

Should we work on the robustness and efficiency issues of DAD?
For example, improving DAD in environments where nodes sleep and on links with high packet loss. We think that DAD robustness and efficiency are intertwined and we need solutions that take both into account.

In case the WG wants to address these issues, there is an outline of how they can be addressed in https://datatracker.ietf.org/doc/draft-nordmark-6man-dad-approaches/. This is probably not the only way they can be addressed, but the draft indicates that the issues are solvable.

Milestones

Jul 2015	Plan for advancing core IPv6 core specifications to Internet Standard
Mar 2014	Develop approaches for IPv6 Extension Headers (Hop-by-Hop and Destination)
Mar 2014	Develop approach for IPv6 Fragmentation
Done	Resolve open issues with "U/G" bits in Interface Identifiers
Done	Determine way forward for ULA-C specification
Done	Submit PPP Compression Negotiation specification to IESG as a Proposed Standard
Done	Submit RH0 Deprecation specification to IESG as a Proposed Standard