

# 6MAN Working Group

## IETF94, Yokohama

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# Administrivia

**Jabber Room:** [6man@jabber.ietf.org](mailto:6man@jabber.ietf.org)

**Meetecho:** <http://www.meetecho.com/ietf94/6man>

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

**Minutes taker:** <TBD>

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**Presentations:** <https://datatracker.ietf.org/meeting/94/materials.html>

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# Agenda (1 of 2)

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

- Review: Other WG's use of IPv6 extension headers, Chairs, 10 min.

## **Working Group Drafts**

- Host routing in a multi-prefix network, draft-ietf-6man-multi-homed-host, Fred Baker, 15 min.
- IPv6 specifications to Internet Standard, draft-ietf-6man-rfc2460bis, draft-hinden-6man-rfc4291bis, Bob Hinden, 45 min.

## **Active Individual Drafts**

- IPv6 Hop-by-Hop Header Handling, draft-baker-6man-hbh-header-handling, Fred Baker, 15 min.
- Transmission and Processing of IPv6 Options, draft-gont-6man-ipv6-opt-transmit, Fernando Gont, 10 min.
- IPv6 Universal Extension Header, draft-gont-6man-rfc6564bis, Fernando Gont, 10 min.
- Support for adjustable maximum router lifetimes per-link, draft-krishnan-6man-maxra, Suresh Krishnan, 10 min.
- IPv6 Segment Routing Header (SRH) draft-previdi-6man-segment-routing-header, Stefano Previdi, 10 min.
- Multiple Provisioning Domains using Domain Name System, draft-stenberg-mif-mpvd-dns, Markus Stenberg, 10 min.

# Agenda (2 of 2)

## **New Individual Drafts**

- Uplink access technology indications in Router Advertisements, draft-krishnan-6man-uat, Suresh Krishnan, 05 min.
- DNS Name Autoconfiguration for Internet of Things Devices, draft-jeong-homenet-device-name-autoconf, Jaehoon (Paul) Jeong, 5 min

# Document Status (1 of 2)

## **RFC Editor Queue**

- draft-ietf-6man-ipv6-address-generation-privacy
- draft-ietf-6man-predictable-fragment-id

## **In WGLC**

- draft-ietf-6man-mibs-obsolete

## **In Queue for WGLC**

- draft-ietf-6man-rdnss-rfc6106bis

## **Active WG Documents**

- draft-ietf-6man-default-iids
- draft-ietf-6man-deprecate-atomfrag-generation
- draft-ietf-6man-multi-homed-host
- draft-ietf-rfc2460bis
- draft-ietf-6man-rs-refresh
- draft-baker-6man-hbh-header-handling

# Document Status (2 of 2)

## **Adoption Calls Requested**

- draft-previdi-6man-segment-routing (2nd go)
- draft-hinden-6man-rfc4291bis
- draft-krishnan-6man-maxra

# Goals and 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
- Done - 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 2015 - Plan for advancing core IPv6 core specifications to Internet Standard



# draft-ietf-conex-destopt

- Pointed out to the IESG that they should have involved 6man in review
- Requirements:
  - Needs to work across Internet
  - Wants HBH behaviour, but proposes DestOpt which may have a lower drop probability
- 6MAN chair comments:
  - HBH were designed for this, concerns about the ramifications about making DestOpt a HBH option.
  - Make sure the option assignment is experimental
  - Remove text implying header injection
  - Concern about requiring routers to parse into the packet to find DestOpt header.

# draft-ietf-ippm-6man-pdm-option

- Specifies a new destination header option
  - No apparent red flags (header injection, changes in flight...)
- Reviewers?