18 March 2026

Shenzhen

IETF 125 6MAN WG

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Internet Engineering Task Force

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For advice, please talk to Working Group chairs or Area Directors.

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Note Well - Take Away

- You already agreed to follow the IETF guidelines when you registered.
- IETF participants are expected to behave in a professional manner and extend respect and courtesy to their colleagues at all times.
- See https://www.ietf.org/note-well

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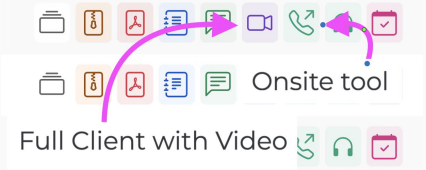

Remote participants

- Make sure your audio and video are off unless you presenting
- Use of a headset is strongly recommended

6MAN Administrivia

- Jabber Room, Zulip
  6man@jabber.ietf.org
- Meetecho Full Client:
  https://meetings.conf.meetecho.com/ietf125/?session=35086
- Onsite tool:
  https://meetings.conf.meetecho.com/onsite125/?session=35086
- Minutes:
  https://notes.ietf.org/notes-ietf-125-6man
  Minutes taker: TBD
  Jabber Scribe RFC7649: N/A
- Presentations:
  https://datatracker.ietf.org/meeting/125/session/6man

Change of Area Director

- Erik Kline will be completing his term on the IESG at tonight's plenary

- Éric Vyncke will be 6MAN’s new Area Director

Many thanks to Erik for his service to the IETF and especially to the 6MAN working group!!

Welcome to Éric to 6MAN!!

IETF-IPv6-Mostly NOT

- IETF SSID is NOT running **ipv6-mostly** by default
  - It implements the RFC 8925 "IPv6-Only Preferred Option", which still supports IPv4 when needed via translation mechanisms. Devices which do not support RFC 8925 still receive an IPv4 address from DHCPv4, while IPv6-only capable devices operate in IPv6-only mode.
    - Apple (iOS & MacOS), Android and ChromeOS devices are IPv6-only
    - MS Windows and most Linux devices obtain IPv4

Agenda (1 of 2)

Introduction:

- **Introduction, Agenda Review, and Document Status,** Chairs, 10 min.

Working Group Drafts:

- **YANG Data Model for IPv6 Neighbor Discovery,** draft-ietf-6man-ipv6-neighbor-discovery-yang, Fan Zhang, 10 min
- **IPv6 Query for Enabled In-situ OAM Capabilities,** draft-ietf-6man-icmpv6-ioam-conf-state, Xiao Min, 10 min
- **Carrying Network Resource (NR) related Information in IPv6 Extension Header,** draft-ietf-6man-enhanced-vpn-vtn-id, Jie Dong, 10 min
- **IPv6 Node Requirements,** draft-ietf-6man-rfc8504-bis , Tim Winters, 15 min.

Agenda (2 of 2)

Active Individual Drafts:

- **The IPv6 Loopback Address Prefix**, draft-kumari-ipv6-loopback , Warren Kumari, Geoff Huston, 10 min.
- **Deprecating IPv6 Extension Headers on the Internet**, draft-herbert-deprecate-eh, draft-herbert-deprecate-destops-before-rh, draft-herbert-eh-inflight-removal, Tom Herbert 15 min.
- **Updates to DNS64 Functionality Advertisement for DNS RA Option**, draft-ma-6man-ra-dns64-flag, Chenhao Ma, 15 min.
- **ICMP Error Handling in SRv6 based VPN Networks**, draft-ali-6man-srv6-vpn-icmp-error-handling, Zafar Ali, 15 min.

Document status (1 of 2)

Published RFCs:

- (none)

RFC Editor Queue:

- draft-ietf-6man-snac-router-ra-flag, SNAC Router Flag in ICMPv6 Router Advertisement Messages (MISSREF 452 days)
- draft-ietf-6man-rfc6724-update Preference for IPv6 ULAs over IPv4 addresses in RFC6724 (MISSREF 194 days)
- draft-ietf-6man-icmpv6-reflection, Internet Control Message Protocol (ICMPv6) Reflection (MISSREF 71 days)

Submitted to IESG:

- draft-ietf-6man-slaac-renum, Improving the Robustness of Stateless Address Autoconfiguration (SLAAC) to Flash Renumbering Events
  - Revised ID needed
  - Discussion from AD if ready to be advanced

Document status (2 of 2)

6MAN Working Group Last Call

- draft-ietf-6man-sidlist-clarification, Clarifying SRv6 SID List Processing
  - WG Consensus, waiting for shepherd write up

Documents Recently Adopted

- draft-ietf-6man-sub-link-scope-multicast-00, Sub-Link Scoped IPv6 Multicast Addressing

Reminder: Collaboration with other WGs

- Other IETF Working Groups might require 6MAN involvement
- 6MAN WG prefers to be involved after the other WG reaches some level of consensus, such as:
  - adoption call
  - confirmation from the WG chairs