

5 November 2025

# IETF 124 BMWG & IPPM

This session is being recorded

# Note Well

By participating in the IETF you agree to follow IETF processes and policies. This Note Well is a reminder of some of those policies. For a linked version of this text, please visit [www.ietf.org/note-well](http://www.ietf.org/note-well) or use the QR code below.

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- For detailed process information consult *RFC 2026: Internet Standards Process* and *RFC 2418: IETF Working Group Guidelines and Procedures* and updates to those.
- The IETF routinely makes public written, audio, video, and photographic records of IETF activities, including your personal information as set out in the *IETF Privacy Statement*.



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

# Note Really Well

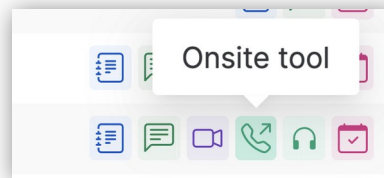
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

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# IETF 124 Meeting Tips

## In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
  - join the mic queue
  - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



## Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

# Joint BMWG and IPPM Meeting

- Due to similar topics we wanted to facilitate the exchange and discussions between both working groups by having a joint session again and start exploring a joint charter with Qin Wu together. Many thanks Qin for supporting us here.
- Qin will be presenting at the end of this session an overview about the current state of both working groups and the benefits of a joint charter.
- We are looking forward to as much feedback from both working groups during Qin's presentation, on the mailing list and at the next interim meeting on November 20th where we allocated another 30 minutes for joint chartering discussions.

# BMWG charter

- The Benchmarking Methodology Working Group (BMWG) will continue to produce a series of recommendations concerning the **key performance characteristics of internetworking technologies, or benchmarks for network devices, systems, and services**. Taking a view of networking divided into planes, the scope of work includes benchmarks for the management, control, and forwarding planes.
- The set of relevant benchmarks will be developed with input from the community of users (network operators and testing organizations) and from those affected by the benchmarks when they are published (networking and test equipment manufacturers).
- The scope of the BMWG is limited to the characterization of implementations of various internetworking technologies using controlled stimuli in a laboratory environment. Said differently, the BMWG does not attempt to produce benchmarks for live, operational networks.

Full Charter: <https://datatracker.ietf.org/group/bmwg/about/>

# IPPM charter

- The IP Performance Measurement (IPPM) Working Group **develops and maintains standard metrics that can be applied to the quality, performance, and reliability of Internet data delivery services and applications running over transport layer protocols (e.g. TCP, UDP) over IP.** It also develops and maintains methodologies and protocols for the measurement of these metrics. These metrics, protocols, and methodologies are designed such that they can be used by network operators, end users, or independent testing groups. Metrics developed by the IPPM WG are intended to provide unbiased quantitative performance measurements.
- The IPPM WG works to foster commonality and comparability of metrics and measurements across IETF protocols at different layers. Its work is limited to metrics and methodologies which are applicable over transport-layer protocols over IP, and does not specify encapsulations required for measurements over non-IP layers.

Full Charter: <https://datatracker.ietf.org/group/ippm/about/>

# Notetaker

- We need a volunteer for notetaking.
- <https://notes.ietf.org/notes-ietf-124-bmwg-ippm>

# Agenda – Working Group Documents

| Time  | Length | What   | Who         |
|-------|--------|--|-------------|
| 09:30 | 5m     | Welcome, Note Well, Agenda, Status                               | Chairs      |
| 09:35 | 5m     | draft-ietf-bmwg-network-tester-cfg                               | V. Vassilev |
| 09:40 | 5m     | draft-ietf-ippm-on-path-active-measurements                      | G. Fioccola |
| 09:45 | 10m    | draft-ietf-bmwg-sr-bench-meth                                    | P. Volpato  |
| 09:55 | 10m    | draft-ietf-ippm-stamp-ext-hdr, draft-ietf-spring-stamp-srpm-mpls | R. Gandhi   |
| 10:05 | 5m     | draft-ietf-bmwg-containerized-infra                              | M. Tran     |
| 10:10 | 10m    | draft-ietf-ippm-ioam-data-integrity                              | J. Iurman   |
| 10:20 | 5m     | draft-ietf-ippm-responsiveness                                   | S. Cheshire |

# Agenda – Proposed Work

| <b>Time</b> | <b>Length</b> | <b>What</b>                             | <b>Who</b> |
|-------------|---------------|---|------------|
| 10:25       | 10m           | draft-chen-bmwg-savnet-sav-benchmarking | L. Liu     |
| 10:35       | 15m           | draft-whimir-ippm-stamp-cos-ecn         | G. White   |
| 10:50       | 10m           | draft-gandhi-ippm-stamp-ber             | R. Gandhi  |

# Joint Chartering Discussion

| <b>Time</b> | <b>Length</b> | <b>What</b>                           | <b>Who</b> |
|-------------|---------------|---------------------------------------|------------|
| 11:00       | 30m           | IPPM/BMWG Joint Chartering Discussion | Q. Wu      |

# BMWG Document Updates Since IETF 123

- [draft-ietf-bmwg-mlrsearch](#) submitted to IESG for publication
  - Revised I-D Needed
- [draft-ietf-bmwg-network-tester-cfg](#) passed WGLC
  - Cross-posting to NMOP and OPSAWG
  - New revision in preparation to address the Yangdoctors review
- [draft-ietf-bmwg-sr-bench-meth](#) preparing for the WGLC
- [draft-cprjgf-bmwg-powerbench](#) in adoption call
- To resume the discussion for revisiting BMWG RFCs in order to update RFC 2544
- Expired WG documents (more than 10 years old) to be moved to Dead state if there is no further interest

# IPPM Document Updates Since IETF 123

- [draft-ietf-ippm-capacity-protocol](#), security related challenges during IESG review process has been resolved and is now approved by IESG.
- [draft-ietf-ippm-asymmetrical-pkts](#) and [draft-ietf-ippm-hybrid-two-step](#) has been passed on to IESG. [draft-ietf-ippm-hybrid-two-step](#) received OPS AD review.
- [draft-ietf-ippm-qoo](#) passed working group last call. Shepherd review pending.
- [draft-ietf-ippm-on-path-active-measurements](#) passed working group adoption call and for [draft-iuzh-ippm-ioam-integrity-yang](#) an adoption call is currently running.