

Benchmarking Methodology WG (BMWG) IETF 119 Brisbane

- Thursday March 21, 2024
- 13:00 – 15:00 local time (Brisbane, UTC+10)
Alternate times: 03:00-05:00 UTC, 19:00-21:00 PST
- Chairs:
 - Sarah Banks (sbanks(at)encrypted.net)
 - Giuseppe Fioccola (giuseppe.fioccola(at)huawei.com)

If you are not subscribed to the BMWG mailing list and would like to be, please visit <https://www.ietf.org/mailman/listinfo/bmwg/>

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)

Note Really Well

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IETF 119 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.

Note taker(s): please help to take notes. Everyone is welcome to help! Any Volunteers?

- You can find the note taking tool on the Meetecho client or on the Datatracker.

This session is being recorded

BMWG Agenda (any bashing needed?)

Administrative and WG Status

- 1 Chairs' slides, 5 min

WG Drafts

- 2.1 Multiple Loss Ratio Search + Test results, Maciek Konstantynowicz and Vratko Polak, 20 min
[draft-ietf-bmwg-mlrsearch](#)
- 2.2 A YANG Data Model for Network Tester Management + Hackathon results, Vladimir Vassilev, 20 min
[draft-ietf-bmwg-network-tester-cfg](#)
- 2.3 Considerations for Benchmarking Network Performance in Containerized Infrastructures, Minh-Ngoc Tran, 15 min
[draft-ietf-bmwg-containerized-infra](#)

Proposals

- 3.1 Recommendations for using Multiple IP addresses in Benchmarking Tests, Gabor Lencse, 10 min
[draft-lencse-bmwg-multiple-ip-addresses](#)
- 3.2 Benchmarking methodology for Segment Routing, Luis M. Contreras, 10 min
[draft-vfv-bmwg-sr-bench-meth](#)
- 3.3 Characterization and Benchmarking Methodology for Power in Networking Devices, Carlos Pignataro or Qin Wu, 10 min
[draft-cprjgf-bmwg-powerbench](#)
- 3.4 SRv6 Service Benchmarking Guideline, Xuesong Geng, 10 min
[draft-geng-bmwg-srv6-service-guideline](#)

AOB

BMWG Status

- Reviewers needed!
 - It's a two-way street – Your work is adopted, completed, and published as an RFC when the participants of the Working Group read other drafts, review, and share their feedback on the list and at meetings.
- We have some ongoing proposals:
 - Considerations for benchmarking network performance in containerized infrastructures ([draft-ietf-bmwg-containerized-infra](#))
 - Benchmarking methodology for Segment Routing ([draft-vfv-bmwg-sr-bench-meth](#))
 - Merge of two previous drafts:
 - Benchmarking methodology for SR-MPLS ([draft-vfv-bmwg-srmppls-bench-meth](#))
 - Benchmarking methodology for SRv6 ([draft-vfv-bmwg-srv6-bench-meth](#))
- Proposals keep coming
 - Characterization and Benchmarking Methodology for Power in Networking Devices ([draft-cprjgf-bmwg-powerbench](#))
 - SRv6 Service Benchmarking Guideline ([draft-geng-bmwg-srv6-service-guideline](#))
- Test results are always welcome

BMWG Activity

- I-D submitted to IESG
 - [draft-ietf-bmwg-benchmarking-stateful-05](#): Benchmarking Methodology for Stateful NATxy Gateways using RFC 4814 Pseudorandom Port Numbers
- New WG Adopted I-D:
 - [draft-ietf-bmwg-containerized-infra-00](#): Considerations for Benchmarking Network Performance in Containerized Infrastructures
- Last RFC published:
 - RFC 9411 in 2023
- Updated milestone
 - Stateful NATxy to publish
- Charter Update
 - Stable
- Supplementary BMWG Page
 - <http://bmwg.encrypted.net/>

Milestones

DONE	Methodology for Next-gen Firewall Benchmarking to IESG Review
DONE	Update to RFC2544 Back-to-back Frame Benchmarking to IESG Review
DONE	Methodology for EVPN Benchmarking to IESG Review
Aug 2023	Draft on Selecting and Applying Model(s) for Benchmarking to IESG Review
Dec 2023	Considerations for Benchmarking Network Virtualization Platforms to IESG Review
Apr 2024	Benchmarking for Stateful NATxy Gateways using RFC 4814 Pseudorandom Port Numbers to IESG Review

Possible new milestones after IETF 119 and review with AD Warren Kumari