

Benchmarking Methodology WG (bmwg) 95th IETF

- **Wednesday, July 20, 2016**
(1000-1230 Local Time, UTC+2:00)
- **Chairs:**
 - Al Morton (acmorton(at)att.com)
 - Sarah Banks (sbanks(at)encrypted.net)
 - **PLEASE MOVE CLOSE TO THE FRONT**
- *If you are not subscribed to the BMWG mailing list and would like to be, please go to <https://www.ietf.org/mailman/listinfo/bmwg>*

Note Well

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BMWG Agenda (Any Bashing needed?)

Note-Taker(s), Jabber, IPR, Blue Sheets

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|--|-----------------------------------|
| 1a. WG Status | Presenter: Chairs |
| WG Drafts VNF and Infrastructure Benchmarking Considerations and IPv6 ND | |
| 1b. Charter and Milestones | |
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| 2. DataCenter Benchmarking | Presenter: Jacob |
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| 3. IPv6 Transition Benchmarking | Presenter: Marius |
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| 4. Benchmarking for SDN Controller Performance | Presenter: Sarah |
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| 5. vSwitch Benchmarking in OPNFV | Presenter: Maryam (remote) |
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| 6. Benchmarking Performance Monitoring on a DUT | Presenter: Sudhin Jacob |
| 7. Benchmarking Methodology for EVPN | Presenter: Sudhin Jacob |
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| 8. Benchmarking Methodology for PBB-EVPN | Presenter: Sudhin Jacob |
| 9. Considerations for Benchmarking Network Virtualization Platforms | Presenter: Samuel Kommu |
| 10. Paper: “Revisiting Benchmarking Methodology for Interconnect Devices” | Presenter: Daniel |
| 11. Overview: Linux Foundation project FD.io CSIT | Presenter: Maciek |
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| LAST. AOB | |
| ? . Considerations for Benchmarking High Availability of NFV
(representing the authors, Kim and Paik, KT) | Presenter: Taeho Kang |

Quick WG Status

- Another WGLC drafts on DC Bench??
- Consensus on VNF and NFVI Consid.
 - Some small further updates suggested
- Adopted: VSPERF vSwitch B-M
- WG needs to review SDN Controller & IPv6 trans drafts
- Stronger Connection to OpenSource work
- New work proposals keep coming

BMWG Activity

- **New RFCs: RFC 7747 (was draft-ietf-bmwg-bgp-basic-convergence) “Basic BGP Convergence Benchmarking Methodology for Data-Plane Convergence”**
- **Charter Update**
 - none
- **Supplementary BMWG Page**
 - Watch this space! New home needed for:
 - <http://home.comcast.net/~acmacm/BMWG/>

Current Milestones

- DONE Basic BGP Convergence Benchmarking Methodology to IESG Review
- DONE Terminology for SIP Device Benchmarking to IESG Review
- DONE Methodology for SIP Device Benchmarking to IESG Review
- DONE Draft on Traffic Management Benchmarking to IESG Review
- Dec 2017 Draft on IPv6 Neighbor Discovery to IESG Review
- DONE Draft on In-Service Software Upgrade Benchmarking to IESG Review
- **Aug 2017** Draft on VNF Benchmarking Considerations to IESG Review
- **Dec 2016** Drafts on Data Center Benchmarking to IESG Review
- Jul 2017 Draft on v6 Transition
- Jul 2017 Drafts on SDN Controller Benchmarking

Standard “Paragraph” (intro/security)

Benchmarking activities as described in this memo are limited to technology characterization using controlled stimuli in a laboratory environment, with dedicated address space and the constraints specified in the sections above.

The benchmarking network topology will be an independent test setup and **MUST NOT** be connected to devices that may forward the test traffic into a production network, or misroute traffic to the test management network.

Further, benchmarking is performed on a "black-box" basis, relying solely on measurements observable external to the DUT/SUT.

Special capabilities **SHOULD NOT** exist in the DUT/SUT specifically for benchmarking purposes. Any implications for network security arising from the DUT/SUT **SHOULD** be identical in the lab and in production networks.

Work Proposal Summary Matrix

Work Area > Criteria V		HA	VNF (was VBaaS)	EVPN	Perf Mon Benchmk	PBB EVPN	Virtualized Platforms
Proposal		Y	Y	Y	Y	Y	Y
In Scope of Charter? (acm)		Y	Y	Y	Y	Y	Y
Draft(s)		Y	Y	Y	Y	Y	Y
Sig. Support at meetings							
Sig. Support on List							
Dependencies/Notes							8

BMWG Activity

Related Active Docs (not working group documents):

Draft name	Rev.	Status	Comments
<see on-line agenda>			

Not recently active

http://tools.ietf.org/html/draft-parise-bmwg-ldp-convergence-term-00		2013?	
draft-hamilton-bmwg-ca-bench-term -00		2011-03	
draft-manral-bmwg-power-usage-03.txt		2013-01	
draft-player-dcb-benchmarking -04		2011-04	