

Benchmarking Methodology WG (bmwg)

94th IETF

- **Tuesday, November 3rd, 2015**
(0900-1130 Japan Time, UTC+9:00)
- **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

1a. New Charter and Milestones

1b. WG Status

Presenter: Chairs

2. DataCenter Benchmarking

Presenter: Lucien

3. IPv6 Transition Benchmarking

Presenter: Marius

4. VNF and Infrastructure Benchmarking Considerations

Presenter: Al

5. Benchmarking for SDN Controller Performance

Presenter: Bhuvan

6. vSwitch Benchmarking in OPNFV

Presenter: Maryam

7. Benchmarking for CoPP, Control Plane Policing

Presenter: Shishio Tsuchiya

**8. Considerations for Benchmarking High Availability of NFV
(representing the authors, Kim and Paik, KT)**

Presenter: Taeho Kang

9. VNF Benchmark-as-a-Service, VBaaS: Problem Statement and Challenges **Presenter: Robert Szabo'**

10. Benchmarking@25+

LAST. AOB

Quick WG Status

- BGP Dataplane – IESG Approved - **MISSREF**
- Traffic Management – **RFC 7640**
- In-Service SW Upgrade – **RFC 7654**
- NEW WG drafts on DC Bench, Virtual VNFV and NFVI
- WG Adopted SDN Controller & IPv6 trans
- New work proposals keep coming

BMWG Activity

- **New RFCs:**
 - <Last Time> **7501 and 7502 SIP Device Benchmarking**
 - >> **Need to “DONE” milestones!**
- **Charter Update**
 - none
- **Supplementary BMWG Page**
 - See <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 2014 Draft on IPv6 Neighbor Discovery to IESG Review
- DONE Draft on In-Service Software Upgrade Benchmarking to IESG Review
- Aug 2015 Draft on VNF Benchmarking Considerations to IESG Review
- Dec 2015 Drafts on Data Center Benchmarking to IESG Review
- NEED to ADD MILESTONES: SDN Controller and IPv6 Transition

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 √	vSwitch	OPNFV vSWperf	CoPP	HA		
Proposal	Y	Y	Y	Y		
In Scope of Charter? (acm)	Y	Y	Y	Y		
Draft(s)	Y	Y	Y	Y		
Sig. Support at meetings		Y				
Sig. Support on List						
Dependencies/Notes						

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	