

Benchmarking Methodology WG (bmwg)

92nd IETF

- **Tuesday, March 24th, 2015**
(0900-1130 Central Daylight Time, GMT-5:00)
- **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

(New version as of May 2013)

This summary is only meant to point you in the right direction, and doesn't have all the nuances.

The IETF's IPR Policy is set forth in **BCP 79**; please read it carefully.

The brief summary:

- ❖ **By participating with the IETF, you agree to follow IETF processes.**
- ❖ **If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.**
- ❖ **You understand that meetings might be recorded, broadcast, and publicly archived.**

For further information, talk to a WG chair, ask an Area Director, or review the following:

BCP 9 (on the Internet Standards Process)

BCP 25 (on the Working Group processes)

BCP 78 (on the IETF Trust)

BCP 79 (on Intellectual Property Rights in the IETF)

BMWG Agenda (Any Bashing needed?)

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

1a. New Charter and Milestones

1b. WG Status

Presenter: Chairs

2. Traffic Management Benchmarking

Presenter: Ramki

3. Software Upgrade Benchmarking

Presenter: Sarah

4. DataCenter Benchmarking

Presenter: Jacob

5. . IPv6 Neighbor Discovery Benchmarking

Presenter: Bill

6. IPv6 Transition Benchmarking

Presenter: Marius Georgecu

7. VNF and Infrastructure Benchmarking Considerations

Presenter: Al

8. Benchmarking for (OpenFlow) SDN Controller Performance

Presenter: Bhuvan

LAST. AOB

Quick WG Status

- SIP Drafts – IESG Approved
- BGP Dataplane – IESG Approved
- Traffic Management 3rd WG LC=Consensus
- WG Adopted DC and IPv6ND (?)
- Virtual Network Function and related Infrastructure
- New work proposals keep coming

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.

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
- Aug 2014 Draft on Traffic Management Benchmarking to IESG Review
- Dec 2014 Draft on IPv6 Neighbor Discovery to IESG Review
- Mar 2015 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

Work Proposal Summary Matrix

Work Area > Criteria V	SDN Controller	IPv6 Transition	vSwitch			
Proposal	Y	Y	Y			
In Scope of Charter? (acm)	Y	Y	Y			
Draft(s)	Y	Y	Y			
Sig. Support at meetings	Y					
Sig. Support on List	Y					
Dependencies/Notes						

BMWG Activity

- **New RFCs:**
 - none
- **Charter Update**
 - none
- **Supplementary BMWG Page**
 - See <http://home.comcast.net/~acmacm/BMWG/>

BMWG Activity

Related Active Docs (not working group documents):

Draft name	Rev.	Status	Comments
http://tools.ietf.org/html/draft-morton-bmwg-virtual-net-03.txt			
http://tools.ietf.org/html/draft-bhuvan-bmwg-of-controller-benchmarking-01.txt			
http://tools.ietf.org/html/draft-georgescu-bmwg-ipv6-tran-tech-benchmarking-00.txt			
http://tools.ietf.org/html/draft-huang-bmwg-virtual-network-performance-00.txt			

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	