

Benchmarking Methodology WG (bmwg) 89th IETF

- **Friday, March 7, 2014**
(1150-1320 London Local Time, GMT+0:00)
- **Chairs:**
 - **Al Morton (acmorton(at)att.com)**
 - **Sarah Banks (sbanks(at)aerohive.com)**
 - **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://www1.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

1. WG Status

Presenter: Chairs

2. Converging on Re-Charter text

Presenter: Chairs

3. SIP Device Benchmarking

Presenter: Vijay

4. BGP Dataplane Convergence

Presenter: Bhavani

5. Milestones: and New Work Proposal matrix:

6. Traffic Management Benchmarking

Presenter: Ramki

7. IPv6 Neighbor Discovery Benchmarking

Presenter: Bill

8a. VNF and Infrastructure Benchmarking

Presenter: Al

8b. Virtual Router Benchmarking

Presenter: Ramki

LAST. AOB

Quick WG Status

- SIP drafts back on the table
- BGP Dataplane adds more,
- Strong proposals for the Re-charter,
- VNF work now appearing at our shore

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 Terminology For Protection Benchmarking to AD Review
- Done Networking Device Reset Benchmark (Updates RFC 2544) to IESG Review
- Dec 2010 Methodology For Protection Benchmarking to IESG Review (**Done**)
- Jun 2011 Terminology for SIP Device Benchmarking to IESG Review (**Done, but...**)
- Jun 2011 Methodology for SIP Device Benchmarking to IESG Review (**Done, but...**)
- Jul 2011 Basic BGP Convergence Benchmarking Methodology to IESG Review.

- Done Methodology for Flow Export and Collection Benchmarking to IESG Review
- Jun 2011 Methodology for Data Center Bridging Benchmarking to IESG Review
- Dec 2011 Terminology for Content Aware Device Benchmarking to IESG Review
- Dec 2011 Methodology for Content Aware Device Benchmarking to IESG Review
- *Dec 2011 Terminology for LDP Convergence Benchmarking to IESG Review*
- *Dec 2011 Methodology for LDP Convergence Benchmarking to IESG Review*

Work Proposal Summary Matrix

Work Area > Criteria V	IPv6 Neighbor Discover	ISSU: SW Update	Traffic Management	Data Center Bench	LDP Dataplane Converge	Data Center Bridge	VNF and Infrastruct
Proposal	Y	Y	Y	Y	Y	Y	Y
In Scope of Charter? (acm)	Y	IN?	Y	Y	Y	Y	Y
Draft(s)	Y	Y	Y	Y	Y	Y	Y
Sig. Support at meetings	Y	Supporting discussion IETF-80	Y	Y			New
Sig. Support on List		Y	Yes	Traffic in August '13 (jitter)			
Dependencie s/Notes	Side discuss at IETF86		“Adopted”		On Charter!	On Charter!	7

BMWG Activity

Working Group Documents:

Draft name	Rev.	Dated	Status	Comments
Active:				
draft-ietf-bmwg-bgp-basic-convergence	-00	2013-07-02	Active	Adopted as WG

Recently Expired:

draft-ietf-bmwg-ca-bench-meth	-04	2013-02-06	Active	
draft-ietf-bmwg-sip-bench-meth	-08	2013-01-08	Active	Rev ID Need
draft-ietf-bmwg-sip-bench-term	-08	2013-01-08	Active	Rev ID Need

IESG Processing:

RFC-Editor's Queue:

BMWG Activity

- **New RFCs:**
 - none
- **Charter Update**
 - Progressing toward re-charter in 2013
- **Supplementary BMWG Page**
 - See <http://home.comcast.net/~acmacm/BMWG/>

BMWG Activity

Related Active Docs (not working group documents):

Draft name	Rev.	Status	Comments
draft-constantine-bmwg-traffic-management	-02		
http://tools.ietf.org/html/draft-cerveney-bmwg-ipv6-nd-02			
http://tools.ietf.org/html/draft-banks-bmwg-issu-meth-02			
http://tools.ietf.org/html/draft-dcbench-def-01			
http://tools.ietf.org/html/draft-bmwg-dcbench-methodology-02			
http://tools.ietf.org/html/draft-parise-bmwg-ldp-convergence-term-00			

Not recently active

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	