Benchmarking Methodology WG (bmwg) 88th IETF

- **Friday, November 8, 2013 (1120-1300 Vancouver Local Time, GMT-8:00)**
- **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. Re-Chartering Approach   **Presenter: Chairs**

3. <u>Milestones:</u>   <u>and New Work Proposal matrix:</u>

4. Traffic Management Benchmarking   **Presenter: Barry**

5. Data Center Benchmarking Proposal   **Presenter: Lucien**

6. IPv6 Neighbor Discovery Benchmarking   **Presenter: Bill**

7. Software Upgrade Benchmarking   **Presenter: Sarah**

8. BGP Dataplane Convergence   **Presenter: Dean**

9. LDP Dataplane Convergence   **Presenter: Bhavani**

LAST. AOB

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-cerveny-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		

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 ∨	Power	IPv6 Neighbor Discover	ISSU: SW Update	Traffic Manage-ment	Data Center Bench	LDP Dataplane Converge	Data Center Bridge
Proposal	Y	Y	Y	Y	Y	Y	Y
In Scope of Charter? (acm)	Y	Y	IN?	Y	Y	Y	Y
Draft(s)	Y	Y	Y	Y	Y	Y	Y
Sig. Support at meetings	Y	Y	Supporting discussion IETF-80	Y	Y		
Sig. Support on List	Recent comments			Yes	Traffic in August '13 (jitter)		
Dependencies/Notes		Side discuss at IETF86	Charter	"Adopted"		On Charter!	On Charter!

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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*