Benchmarking Methodology WG (bmwg) 86th IETF

- **Tuesday, July 30, 2013**

  (1520-1650 Berlin Local Time, GMT+2:00)
- **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, Chairs
   Approved
   Published
   WG (and near-WG) Drafts not presented at this meeting (several)

2. BGP Dataplane Convergence   Presenter: Chairs

3. Re-Chartering Approach   Presenter: Chair

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

5. Traffic Management Benchmarking   Presenter: Ramki

6. Software Upgrade Benchmarking   Presenter: Sarah

7. Data Center Benchmarking Proposal   Presenter: Lucien/Jacob

8. IPv6 Neighbor Discovery Benchmarking   Presenter: proxy for Bill C.

9. LDP Dataplane Convergence   Presenter: Chairs

LAST. AOB

BMWG Activity

Working Group Documents:

Draft name	Rev.	Dated	Status	Comments
Active:				
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
draft-ietf-bmwg-bgp-basic-convergence	-00	2013-07-02	Active	Adopted as WG
Recently Expired:				
draft-papneja-bgp-basic-dp-convergence-03		2012-09		
IESG Processing:				
draft-ietf-bmwg-imix-genome	-05	2013-06-03	Active	Approved
RFC-Editor's Queue:				
draft-ietf-bmwg-protection-meth	-14	2012-11-27	Active	Approved

BMWG Activity

- **New RFCs:**
    - **6894: Methodology for Benchmarking MPLS Traffic Engineered (MPLS-TE) Fast Reroute Protection**
    - **6985: IMIX Genome: Specification of Variable Packet Sizes for Additional Testing**

- **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.	Dated	Status	Comments
draft-constantine-bmwg-traffic-management	-01	2013-01-08		
http://tools.ietf.org/html/draft-cerveny-bmwg-ipv6-nd-00		2013-		
http://tools.ietf.org/html/draft-banks-bmwg-issu-meth-01				
http://tools.ietf.org/html/draft-dcbench-def-00				
http://tools.ietf.org/html/draft-bmwg-dcbench-methodology-01				
http://tools.ietf.org/html/draft-parise-bmwg-ldp-convergence-term-00				
draft-hamilton-bmwg-ca-bench-term	-00	2011-3	Active/Exp	
draft-manral-bmwg-power-usage-03.txt		2013-01		Comments+
draft-player-dcb-benchmarking	-04	2011-04	Active	??

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
- Jun 2011   Methodology for SIP Device Benchmarking to IESG Review
- 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 ∨	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		Supporting discussion IETF-80	Y	Y		
Sig. Support on List	Recent comments			Yes			
Dependencies/Notes			Charter	"Adopted"		On Charter!	On Charter!