

Benchmarking Methodology WG (bmwg)

80th IETF

- **Tuesday, March 29, 2011, 0900-1130 CDT**
(Central Europe Daylight Time, GMT+2:00)
- **Chairs:**
 - **Al Morton (acmorton@att.com)**
- *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>*

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BMWG Agenda (Any Bashing needed?)

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

1. **WG Status**
Re-Charter Complete and Milestones

RESET benchmarks: Update to RFC 2544
Benchmarking Link-State IGP Data Plane Route Convergence
Benchmarks For Data Center Bridging Devices
Methodology for benchmarking MPLS protection mechanisms,
Happy Eyeballs draft status, LC (also in v6ops)

2. **IP Flow Accounting and Export Benchmarking Methodology** **Presenter: Jan Novak**
3. **SIP Benchmarking Drafts: brief updates and status** **Presenter: Carol Davids**
4. **Basic BGP Convergence Benchmarking Methodology status** **Presenter: Bhavani Parise**
5. **Benchmarking Methodology for Content-Aware Network Devices**
Presenter: Mike Hamilton

New Work Item Proposals (status):

6. **Discussion of Software Update Time Benchmarking** **Presentors: Ilya & Fernando?**
7. **IMIX Genome** **Presenter: Al**
8. **RFC 2544 Applicability Statement** **Presenter: Al**
9. **Power Usage while Networking** **Brief Update**

AOB

BMWG Activity

Working Group Documents:

Draft name	Rev.	Dated	Status	Comments, Issues
Active:				
draft-ietf-bmwg-sip-bench-meth	-03	2011-03	Active	
draft-ietf-bmwg-sip-bench-term	-03	2011-03	Active	
draft-ietf-bmwg-ipflow-meth	-00	2010-12	Active	WGLC – ends 3/28
Recently Expired:				
draft-ietf-bmwg-protection-meth	-07	2009-12-21	Active	WG Consensus

Long Expired:

draft-ietf-bmwg-igp-dataplane-conv-app	-17	2009-03-09		Expired
draft-ietf-bmwg-ipsec-meth	-05	2009-07-28		Expired
draft-ietf-bmwg-ipsec-term	-12	2009-07-28		Expired

IESG Processing:

draft-ietf-bmwg-igp-dataplane-conv-meth	-23	2010-11	Active	IESG Action
draft-ietf-bmwg-igp-dataplane-conv-term	-23	2010-11	Active	IESG Action

RFC-Editor's Queue (IESG APPROVED!):

draft-ietf-bmwg-reset	-02++	2010-11	Active	
draft-ietf-bmwg-protection-term	-09	2010-07	Active	

BMWG Activity

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

BMWG Activity

Related Active Documents (not working group documents):

Draft name	Rev.	Dated	Status	Comments
draft-hamilton-bmwg-ca-bench-meth	-06	2011-3	Active	
draft-hamilton-bmwg-ca-bench-term	-00	2011-3	Active	
draft-player-dcb-benchmarking	-03	2010-10	Active	
draft-manral-bmwg-power-usage-02.txt		2011-1	Active	
draft-morton-bmwg-imix-genome-01		2011-1	Active	
draft-baker-bmwg-testing-eyeball-happiness-04		2011	Active	
draft-chairs-bmwg-2544-as-00		2011-2	Active	NEW

LDP – need to resurrect these for new charter item...

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
- 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.

- Feb 2011 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	IMIX Genome	Happy Eyeballs	RFC2544 AS	SW Update Time	
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	Several comments IETF-79		
Sig. Support on List	Several comments	Several comments	Several comments			
Dependencies/ Notes			Going Individual			