

Benchmarking Methodology WG (bmwg)

82nd IETF

- **Monday, November 14, 2011, 0900-1130**
(Taipei Local Time, GMT+8:00)
- **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

Approved

Drafts not presented at this meeting

Draft Preparation Discussion Summary

RFCs on the Standards Track:

Brief update on IPPM progress and implications for BMWG

2. IP Flow Information Accounting and Export Benchmarking Methodology **Presenter: Al for Jan Novak**

3. Basic BGP Convergence Benchmarking Methodology status **Presenter: Ilya Varlashkin and Dean Lee**

4. Benchmarking Methodology for Content-Aware Network Devices **Presenter: Mike Hamilton**

5. IMIX Genome **Presenter: Al**

6. RFC 2544 Applicability Statement **Presenter: Al**

New Work Proposals:

7. Security Effectiveness Benchmark **Presenter: Kenneth Green**

8. Benchmarking Time Synchronization

9. Software Update Benchmarking Brief Update

LAST. AOB

BMWG Activity

Working Group Documents:

Draft name	Rev.	Dated	Status	Comments
Active:				
draft-ietf-bmwg-2544-as	-01	2011-10-20	Active	
draft-ietf-bmwg-ca-bench-term	-00	2011-09-14	Active	
draft-ietf-bmwg-imix-genome	-00	2011-10-20	Active	
draft-ietf-bmwg-ipflow-meth	-04	2011-10-02	Active	
draft-ietf-bmwg-protection-meth	-09	2011-10-29	Active	

Recently Expired:

draft-ietf-bmwg-sip-bench-meth	-03	2011-03-14	Expired	
draft-ietf-bmwg-sip-bench-term	-03	2011-03-14	Expired	

IESG Processing:

RFC-Editor's Queue:

draft-ietf-bmwg-igp-dataplane-conv-meth	-23	2011-02-16		AUTH48
draft-ietf-bmwg-igp-dataplane-conv-term	-23	2011-02-16		AUTH48
draft-ietf-bmwg-protection-term	-09	2010-07-08		

BMWG Activity

- **New RFC:**
- **Charter Update**
 - Complete 2010
- **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-term	-00	2011-3	Active/Exp	
draft-varlashkin-router-conv-bench-00			NEW	
draft-green-bmwg-seceff-bench-meth-00			NEW	
draft-player-dcb-benchmarking	-03	2010-10	Active	
draft-manral-bmwg-power-usage-02.txt		2011-1	Quiet	
LDP – need to resurrect this for 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.

Working Group Discussion and Process

Draft Preparation Discussion:

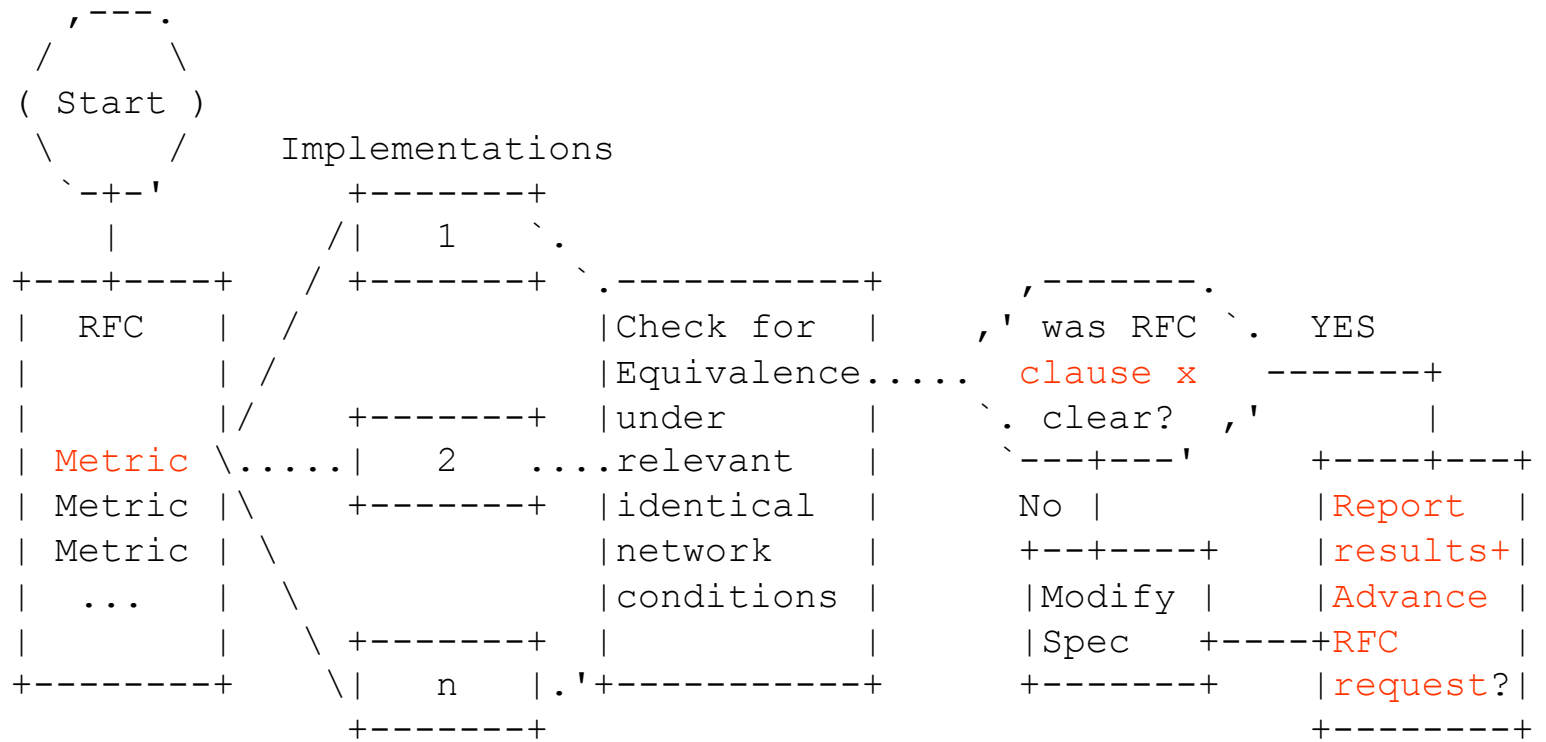
- Three different draft editing options are available:
 - nroff
 - xml2rfc
 - MSWord
- Thus, no one should be using "notepad" or formatting by hand.

RFCs on the Standards Track?:

Brief update on IPPM progress and implications for BMWG

- draft-ietf-ippm-metrictest -04 IESG Processing
- draft-ietf-ippm-testplan-rfc2679 -00 2011-10-21
- draft-morton-ippm-testplan-rfc2680 -00 2011-10-21
- There's a way forward, should we Put BMWG RFCs on Standards Track?

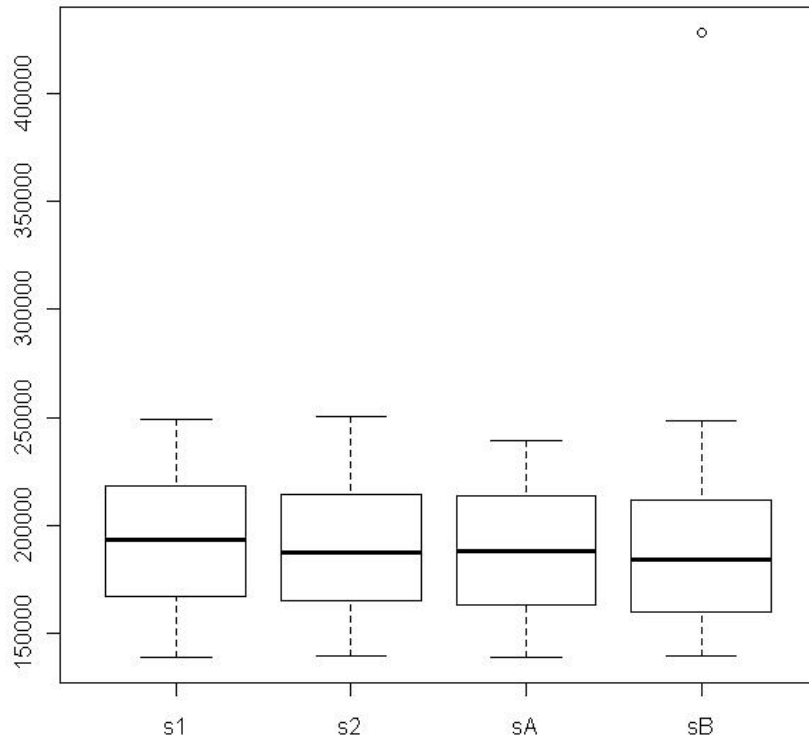
Metric RFCs on the Standards Track: Definition-Centric Process



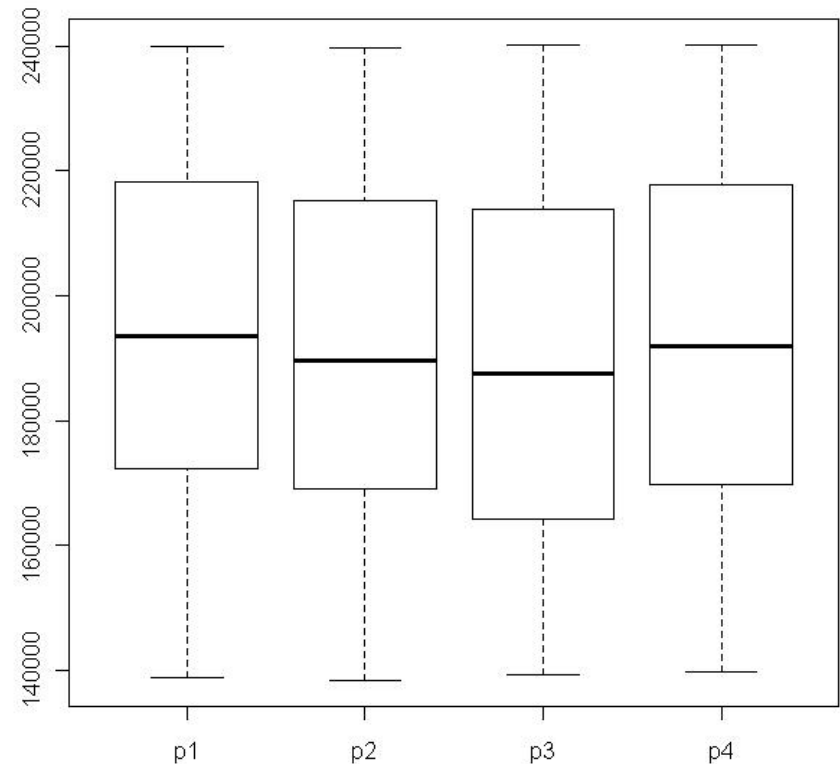
Summary of March 29 Tests

No correction factors used, 1usec res.

- NetProbe



- Perfas+



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	Security Effective- ness	SW Update Time	Time Sync	
Proposal	Y	Y	Y		
In Scope of Charter? (acm)	Y	Y	?		
Draft(s)	Y	Y	Next step		
Sig. Support at meetings			Supporting discussion IETF-80		
Sig. Support on List	Several comments	Sufficient Review?			
Dependencies/ Notes			Charter		