

Benchmarking Methodology WG (bmgw)

91st IETF

- **Thursday, November 13th, 2014**
(1640-1910 Hawaii Standard Time,
GMT-10:00)
- **Chairs:**
 - Al Morton ([acmorton\(at\)att.com](mailto:acmorton@att.com))
 - Sarah Banks ([sbanks\(at\)encrypted.net](mailto:sbanks@encrypted.net))
 - **PLEASE MOVE CLOSE TO THE FRONT**
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BMWG Agenda (Any Bashing needed?)

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

1a. New Charter and Milestones

1b. WG Status

1c. BGP Dataplane Convergence Status

Presenter: Chairs

Presenter: Sue

2. Traffic Management Benchmarking

Presenter: Ramki

3. DataCenter Benchmarking

Presenter: Lucien

4. VNF and Infrastructure Benchmarking Considerations

Presenter: Al

5. Benchmarking for (OpenFlow) SDN Controller Performance

Presenter: Bhuvan

6. Software Upgrade Benchmarking

Presenter: Sarah

7. IPv6 Neighbor Discovery Benchmarking

Presenter: Bill

8. Benchmarking Methodology for Virtualization Network Performance

Presenter: Rong Gu

9. IPv6 Transition Benchmarking

Presenter: Marius Georgecu

LAST. AOB

Quick WG Status

- SIP Drafts – IESG Review- APPROVED!
- BGP Dataplane – IETF Last Call
- Traffic Management Adopted/WGLC
- ISSU Draft Adopted
- More calls for adoption coming
- Virtual Network Function and related Infrastructure
- New work proposals keep coming

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 Basic BGP Convergence Benchmarking Methodology to IESG Review
- DONE Terminology for SIP Device Benchmarking to IESG Review
- DONE Methodology for SIP Device Benchmarking to IESG Review
- Aug 2014 Draft on Traffic Management Benchmarking to IESG Review
- Dec 2014 Draft on IPv6 Neighbor Discovery to IESG Review
- Mar 2015 Draft on In-Service Software Upgrade Benchmarking to IESG Review
- Aug 2015 Draft on VNF Benchmarking Considerations to IESG Review
- Dec 2015 Drafts on Data Center Benchmarking to IESG Review

Work Proposal Summary Matrix

Work Area > Criteria V	IPv6 Neighbor Discover	VNF and Infrastruct Consideratio n	Data Center Bench	LDP Dataplane Converge	Data Center Bridge	SDN Controller	Virtual Network
Proposal	Y	Y	Y	Y	Y	Y	Y
In Scope of Charter? (acm)	Y	Y	Y	Y	Y	Y	Y
Draft(s)	Y	Y	Y	Y	Y	Y	Y
Sig. Support at meetings	Y	Y	Y			Y	
Sig. Support on List			Traffic in August '13 (jitter)			Y	
Dependencie s/Notes	On Charter	On Charter	On Charter	On Charter!	On Charter!		7

BMWG Activity

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