

# **Benchmarking Methodology WG (bmwg) 95th IETF**

- **Thursday, April 7, 2016  
(1000-1230 Local Time, UTC-3:00)**
- **Chairs:**
  - **Al Morton (acmorton(at)att.com)**
  - **Sarah Banks (sbanks(at)encrypted.net)**
  - **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://www.ietf.org/mailman/listinfo/bmwg>***

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# BMWG Agenda (Any Bashing needed?)

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

**1a. New Charter and Milestones**

**1b. WG Status**

**Presenter: Chairs**

**2. DataCenter Benchmarking**

**Presenter: Jacob**

**3. IPv6 Transition Benchmarking**

**Presenter: Marius(remote)**

**4. VNF and Infrastructure Benchmarking Considerations**

**Presenter: Al**

**5. Benchmarking for SDN Controller Performance**

**Presenter: Bhuvan**

**6. IPv6 ND???**

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**7. vSwitch Benchmarking in OPNFV**

**Presenter: Maryam (remote)**

**8. VNF Benchmark Methodology**

**Presenter: Robert Szabo'**

**9. Benchmarking Methodology for EVPN**

**Presenter: Sudhin Jacob**

**10. Benchmarking Performance Monitoring on a DUT**

**Presenter: Sudhin Jacob**

**LAST. AOB**

**? . Considerations for Benchmarking High Availability of NFV  
(representing the authors, Kim and Paik, KT)**

**Presenter: Taeho Kang**

**? . Benchmarking for CoPP, Control Plane Policing**

**Presenter: Shishio Tsuchiya<sup>3</sup>**

# Quick WG Status

- BGP Dataplane – IESG Approved – **RFC7747-to-be** Need AD Approval
- WGLC drafts on DC Bench,
- WGLC on Virtual VNF and NFVI Consid.
- Call for Adoption: VSPERF vSwitch B-M
- WG needs to review SDN Controller & IPv6 trans, late draft on IPv6 ND
- New work proposals keep coming

# BMWG Activity

- **New RFCs:**
- **Charter Update**
  - none
- **Supplementary BMWG Page**
  - Watch this space! New home needed for:
  - <http://home.comcast.net/~acmacm/BMWG/>

# 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
- DONE Draft on Traffic Management Benchmarking to IESG Review
- Dec 2017 Draft on IPv6 Neighbor Discovery to IESG Review
- DONE Draft on In-Service Software Upgrade Benchmarking to IESG Review
- Aug 2017 Draft on VNF Benchmarking Considerations to IESG Review
- Dec 2016 Drafts on Data Center Benchmarking to IESG Review
- Jul 2017 Draft on v6 Transition
- Jul 2017 Drafts on SDN Controller Benchmarking

# 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

<b>Work Area &gt; Criteria V</b>	<b>vSwitch</b>	<b>OPNFV vSWperf</b>	<b>CoPP</b>	<b>HA</b>	<b>VNF (was VBaaS)</b>	<b>EVPN</b>	<b>Perf Mon Benchmk</b>
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					
Sig. Support on List							
Dependencies/Notes							8

# BMWG Activity

Related Active Docs (not working group documents):

<b>Draft name</b>	<b>Rev.</b>	<b>Status</b>	<b>Comments</b>
<see on-line agenda>			

Not recently active

<a href="http://tools.ietf.org/html/draft-parise-bmwg-ldp-convergence-term-00">http://tools.ietf.org/html/draft-parise-bmwg-ldp-convergence-term-00</a>		2013?	
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	