Benchmarking Methodology WG (bmwg) 98th IETF

- **Thursday, Mar 30, 2017**

  (0900-1130 Local Time, UTC-5:00)
- **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*

Note Well

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BMWG Agenda (Any Bashing needed?)

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

1a. WG Status	**Presenter: Chairs**
WG Drafts (3 with Status-only)	
2. Charter and Milestones	
3. IPv6 Transition Benchmarking	**Presenter: Marius (remote)**
4. Benchmarking for SDN Controller Performance	**Presenter: Sarah**
5. vSwitch Benchmarking in OPNFV	**Presenter: Al**

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6. Considerations for Benchmarking Network Virtualization Platforms	**Presenter: Samuel Kommu**
7. Benchmarking Methodology for Virtualization Network Performance	**Presenter: Lu Huang**
8. Benchmarking Performance Monitoring on a DUT	**Presenter: Sudhin Jacob**
9. Benchmarking Methodology for EVPN & PBB-EVPN	**Presenter: Sudhin Jacob**
10. Brief Look at Microservices on the Edge	**Presenter: Ramki Krishnan**

LAST. AOB
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Quick WG Status

- IESG Approval on on IPv6 ND
- IESG Approval on VNF and NFVI Consid.
- WGLC: Revised drafts on Data Center
- WGLC: No comments VSPERF vSwitch draft
- WGLC: Revised IPv6 trans draft
- WGLC: Revised SDN Controller drafts
- New work proposals keep coming

BMWG Activity

- **New RFCs: none**

- **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 DONE   Draft on IPv6 Neighbor Discovery to IESG Review
- DONE   Draft on In-Service Software Upgrade Benchmarking to IESG Review
- Aug 2016 DONE   Draft on VNF Benchmarking Considerations to IESG Review
- Dec 2017   Drafts on Data Center Benchmarking to IESG Review
- Jul 2017   Draft on v6 Transition
- Jul 2017   Drafts on SDN Controller Benchmarking
- Mar 2017   Draft on vSwitch Benchmarking in OPNFV

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

Work Area > Criteria \/	Perf Mon Benchmk	EVPN & PBB EVPN	VNF (was VBaaS)	Virtualized Platforms	SFC	Virtualiz. Network (return)	
Proposal	Y	Y	Y	Y	Y	Y	
In Scope of Charter? (acm)	Y	Y	Y	Y	Y	Y	
Draft(s)	Y	Y	Y	Y	Y	Y	
Sig. Support at meetings							
Sig. Support on List	some	some					
Dependencies/Notes	Liaison ITU-T		Dead?			Issues on list	8