
LIAISON STATEMENT

Title: Draft "Specification of Networking Benchmarks and Measurement Methods for NFVI" for Comment

Date: 2018-12-08

From (source): ETSI NFV (TST Working Group)

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Response to:
(if applicable)

Attachments:
(if applicable)

1. Overall description:

In May 2017, ETSI NFV approved a new work item for the Testing and Open Source Working Group (TST WG), titled "Network Functions Virtualisation (NFV) Testing Specification of Networking Benchmarks and Measurement Methods for NFVI", designated DGS/NFV-TST009.

This work item will specify vendor-agnostic definitions of performance metrics and the associated methods of measurement for Benchmarking networks supported in the NFVI. The Benchmarks and Methods will take into account the communication-affecting aspects of the compute/networking/virtualization environment (such as the transient interrupts that block other processes, or the ability to dedicate variable amounts of resources to communication processes). These Benchmarks are intended to serve as a basis for fair comparison of different implementations of NFVI, (composed of various hardware and software components) according to each individual Benchmark and networking configuration evaluated.

The present draft document takes the existing specifications of IETF BMWG into account, including the key considerations contributed by the OPNFV VSPERF project. The initial work was to survey the public literature for relevant benchmarking studies of vSwitches and other forwarding technologies, and to collect the key learnings for the new/revised benchmarks and methods (summarized in Annex A). Development of the normative clauses of the specification has proceeded since September 2017, and many aspects are now available for wider review. The current plan is to complete this specification during the first half of 2018.

2. Actions:

Please review the current draft https://docbox.etsi.org/ISG/NFV/Open/Drafts/TST009_NFVI_Benchmarks and provide your comments using any convenient means, such as e-mail to the TST WG leadership or the ETSI Bug Tracker http://forge.etsi.org/mantis/set_project.php?project_id=153&ref=view_all_bug_page.php

3. Date of next meetings of the originator:

NFV#21 26 February - 02 March, 2018.
NFV#22 14-18 May, 2018

The TST WG holds bi-weekly meetings, and the schedule will be available from the chairs.