
Terms of Reference for the Testing, Experimentation and Open Source Working Group (NFV TST WG)

Approved at NFV#8 Nov. 2014

Responsibilities

The main responsibilities of this working group are:

- Maintaining and evolving the PoC Framework and extending the testing activities to cover interoperability based on ISG NFV specifications.
- Developing specification on testing and test methodologies.
- Coordinating experimentation and showcasing of NFV solutions (e.g. PoC Zone).
- Producing PoC case studies (e.g., VNF lifecycle), and documenting/reporting the results in various forms, e.g., white papers, wikis, etc.
- Feeding feature requests to open source projects and implementation experience results to open source communities, and developing reports (e.g., guidelines, best practices, etc.) from implementation experience.
- Transferring results to other ISG NFV working groups to ensure consistent delivery of specification through real implementation and testing.

Areas of activity / scope

The areas of activity include:

- Development of a framework (or extend current PoC framework) to include interoperability testing of ISG NFV specifications.
- Best practices of implementing network functions virtualization and demonstrate enhancements of new virtualization technologies, e.g., by leveraging cloud applications design, orchestration and automation, security and reliability advances, etc.
- Coordination of Proof of Concepts, experiments and interoperability tests of network, management entities and interfaces as defined by the NFV Architectural Framework and interface specifications.
- Communicate the results from experiments and interoperability testing internally to other ISG NFV working groups (e.g., for bug fixing), and externally to the rest of NFV ecosystem.
- Facilitating the use of open source components for the implementation and validation of NFV-related use cases and/or parts of the NFV framework.
- Coordination of NFV solutions showcasing (e.g. ETSI PoC Zone at SDN/NFV World Congress) and interoperability plugfests.
- Take into account related test development activities in other forums.

Organization and working methods

- The WG shall work in accordance with the ETSI ISG Directives and, in particular, the Technical Working Procedures.
- The WG shall take as inputs the existing Group Specifications delivered by the ISG NFV.
- The outputs of the WG will be Group Specifications or changes on published ones, which are submitted to the ETSI ISG NFV plenary for approval.
- The WG chairman and vice-chairman shall report on the progress of the WG to the ISG NFV TSC on a regular basis, and to the ISG NFV plenary and NOC as requested.
- The WG shall collaborate with the rest of ISG NFV WGs in order to ensure that specifications fulfil the use cases and requirements and deliver full interoperability of NFV solutions.