

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

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.