



ETSI NFV Plugtests Programme

- W Bringing NFV (&MEC!) implementers together for testing since 2017
- ✓ Joining is free and open for any organisation providing an implementation to test or to support the testing.
 Operators and academia can join as observers.





NFV&MEC Plugtests 2020 – Participation











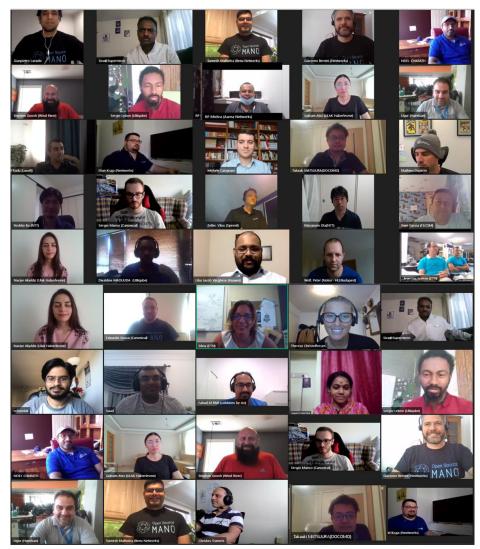






NFV&MEC Plugtests 2020 – by the numbers

- ⊗ 8 observer operators / academia





NFV&MEC Plugtests 2020 – Scope

- Multi-vendor NFV Interop (72 Test Sessions) based on NFV TST007 v2.6.1
 - Several configurations, some including S-VNFM or OSS/BSS solutions / simulators
 - Including an experimental Cloud Native Track (11 Test Sessions)
 - And some **multi-site** deployments
- **NFV Automated Interop (7 Test Sessions)** based on NFV SOL016 draft
 - New (experimental) Robot Framework Test Suite developed to support it
- NFV API Conformance (190+ Test Sessions) based on NFV TST010
 - Robot Framework for SOL002, SOL003 and SOL005 V2.4.1, V2.6.1
- Multi-vendor MEC & MEC-in-NFV Interop (6 Test Sessions) new test plan (based on MEC010-2 & MEC011)
- **MEC API Conformance (170+ Test Sessions)** based on MEC DEC032
 - Robot Framework and TTCN-3 Test Suites for MEC011, MEC012 and MEC013

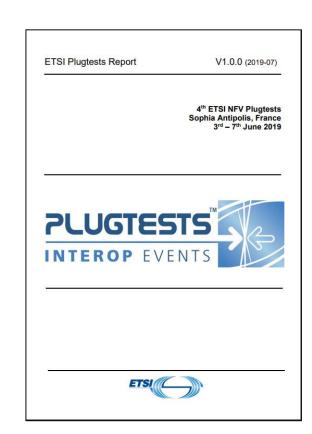
Overall (*) 85 Multi-vendor Interop Test Sessions 360+ API Conformance Test Sessions



Coming up next

- Some test sessions being finalised this week
- ▼ The Plugtests team will work in the Plugtests Report during the next month.

- - Will fall back to remote if hosting / travel restrictions still apply





Thank you!

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Scope 1 – NFV Interop testing

- Multi-vendor, several configurations

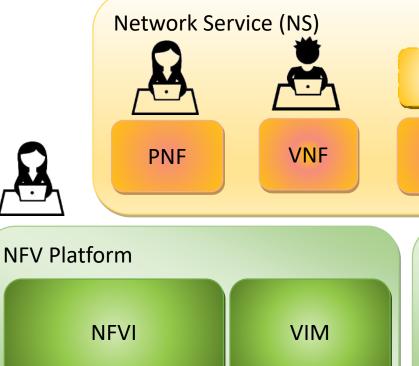


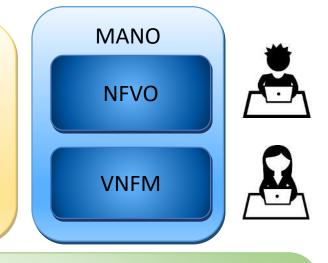
OSS/BSS

EM

VNF





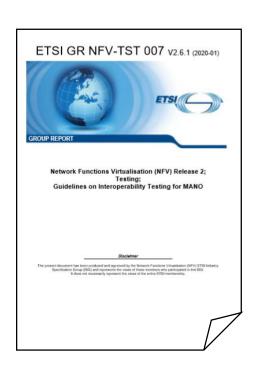


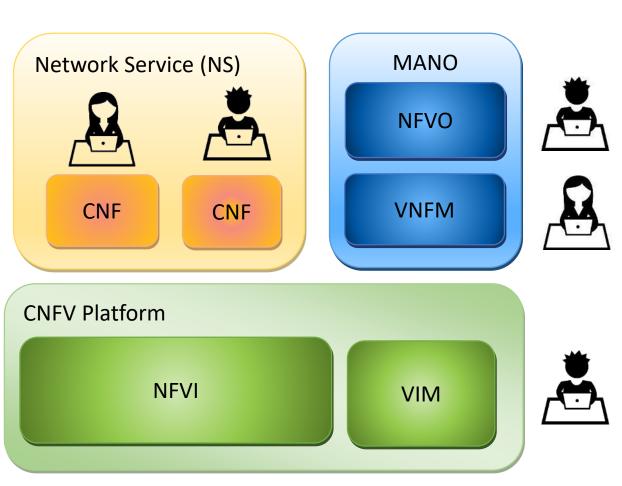




Scope 2 – NFV Interop testing – Cloud Native track

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- Based on NFV- TST007 Guidelines for NFV Interoperability Testing v2.6.1
- Multi-vendor, starting with simpler configurations

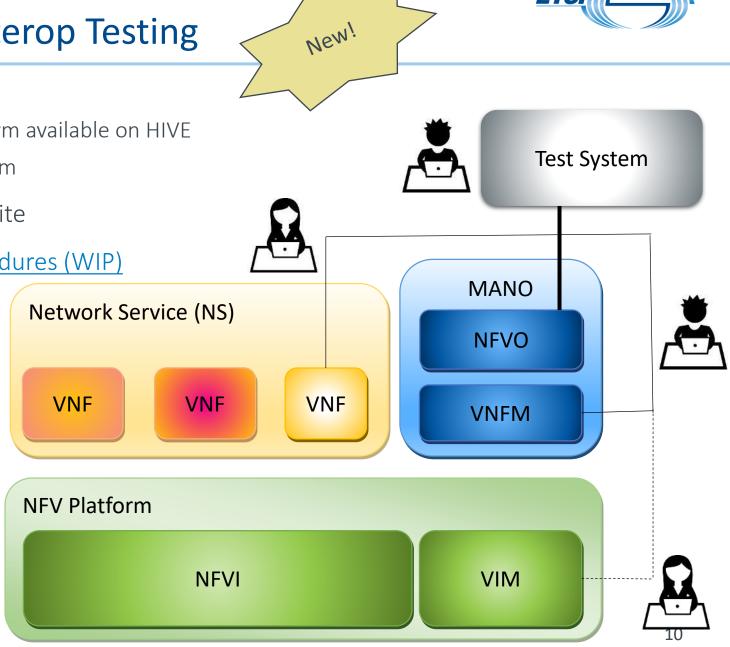




Scope 3 – NFV Automated Interop Testing

- Multi-vendor sessions
- - ∀ VNF package on-boarding
- ▼ Triggers and final checks based on SOL005

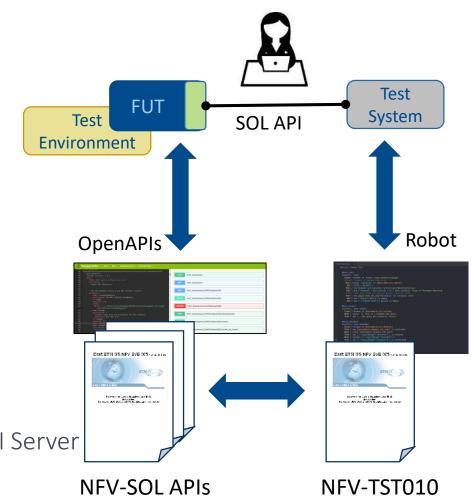
 - ♥ Descriptors based on SOL001,SOL006





Scope 4 – NFV API Conformance Testing

- Individual Test Sessions (self-service) => Participants operate their FUT and the Test System
- New Test Automation Platform available on HIVE
 - An API testing briefing & platform demo will be provided
- Test Plan:
 - NFV TST010 NFV API Conformance Specs
 - Robot Framework <u>Test Suites</u>
 - Targeting several SOL versions (2.4.1, 2.6.1, [3.3.1])
- Plugtests Team makes available on-line
 - the **Test System:** NFV API Client & notification end point
 - the Test Environment: NFVI and VIM.
- Participants provide:
 - the FUT: NFV SOL002/SOL003/SOL005[/SOL009/SOL011]... API Server
 - the Test Environment (optionally)





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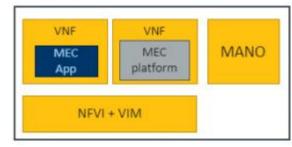
Scope 5 – MEC Interop Testing

- Multi-vendor Test Sessions
- Test for both MEC-in-NFV and MEC Standalone solutions
- Test Plan:
 - MEC Application Lifecycle
 - Traffic rules management and enforcement
 - MEC Services and MEC APIs
- Building on <u>Test Plan MEC IOP V1.0.0</u> from the 4th NFV Plugtests (2019)







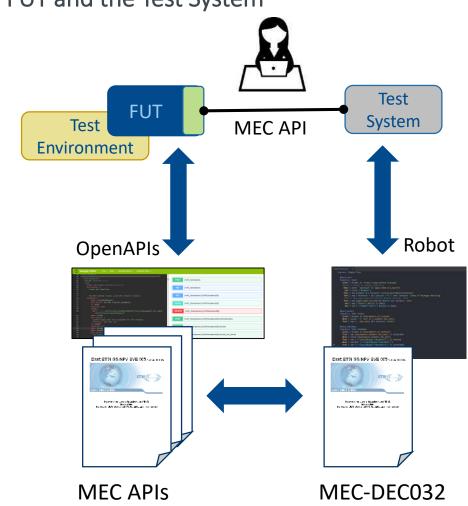


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Scope 6 – MEC API Conformance Testing

ETSI

- Individual Test Sessions (self-service) => Participants operate their FUT and the Test System
- New Test Automation Platform available on HIVE
 - An API testing briefing & platform demo will be provided
- Test Plan:
 - MEC DEC 032 MEC API Conformance Specs
 - Robot Framework & TTCN-3 <u>Test Suites</u>
- Plugtests Team makes available on-line
 - the Test System: MEC API Client & notification end point
- Participants provide:
 - the FUT: MEC010, MEC011, MEC012, MEC013, ... API Server
 - the Test Environment



New!