NFV&MEC PLUGTESTS 2020 Kick-off call

#NFVplugtests #MECplugtests

ETSI Plugtests Team

Sophia Antipolis, 10th Feb 2020

Plugtests Team

PLUGTESTS™ INTEROP EVENTS

ETSI Team

+ Technical support team under construction

CTI Technical Experts:

- Silvia Almagia, silvia.almagia@etsi.org
- Michele Carignani, michele.carignani@etsi.org

Event coordinators, logistics:

- Therese Christoffersen Therese.Christoffersen@etsi.org

IT, HIVE:

- Jean-Luc Freisse, Jean-Luc.Freisse@etsi.org

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Registration update

Participants and observers:

- Benu Networks
- Canonical
- Cisco
- Deutsche Telekom
- EANTC
- EdgeGap
- Ericsson
- Fortinet
- Huawei
- Keysight Technologies
- Nextworks
- Palo Alto Networks
- Red Hat
- RIFT
- STC
- Telenity
- Ubiqube
- University of Patras
- Whitestack
- Wind River

Supporting Open Source Communities:

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Register at https://www.etsi.org/nfvmecplugtests

NFV & MEC Plugtests Scope

- NFV Interop
- NFV Interop – Cloud Native Track
- NFV Automated Interop
- NFV API Conformance

- MEC & MEC-in-NFV Interop
- MEC API Conformance

MEC will be discussed in depth on next open call, Feb 24th

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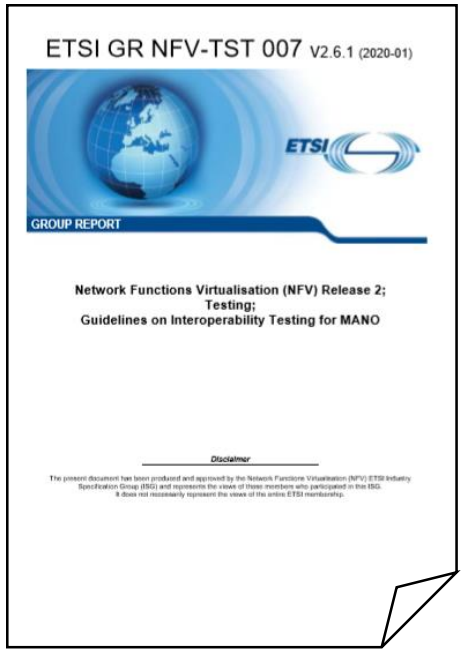
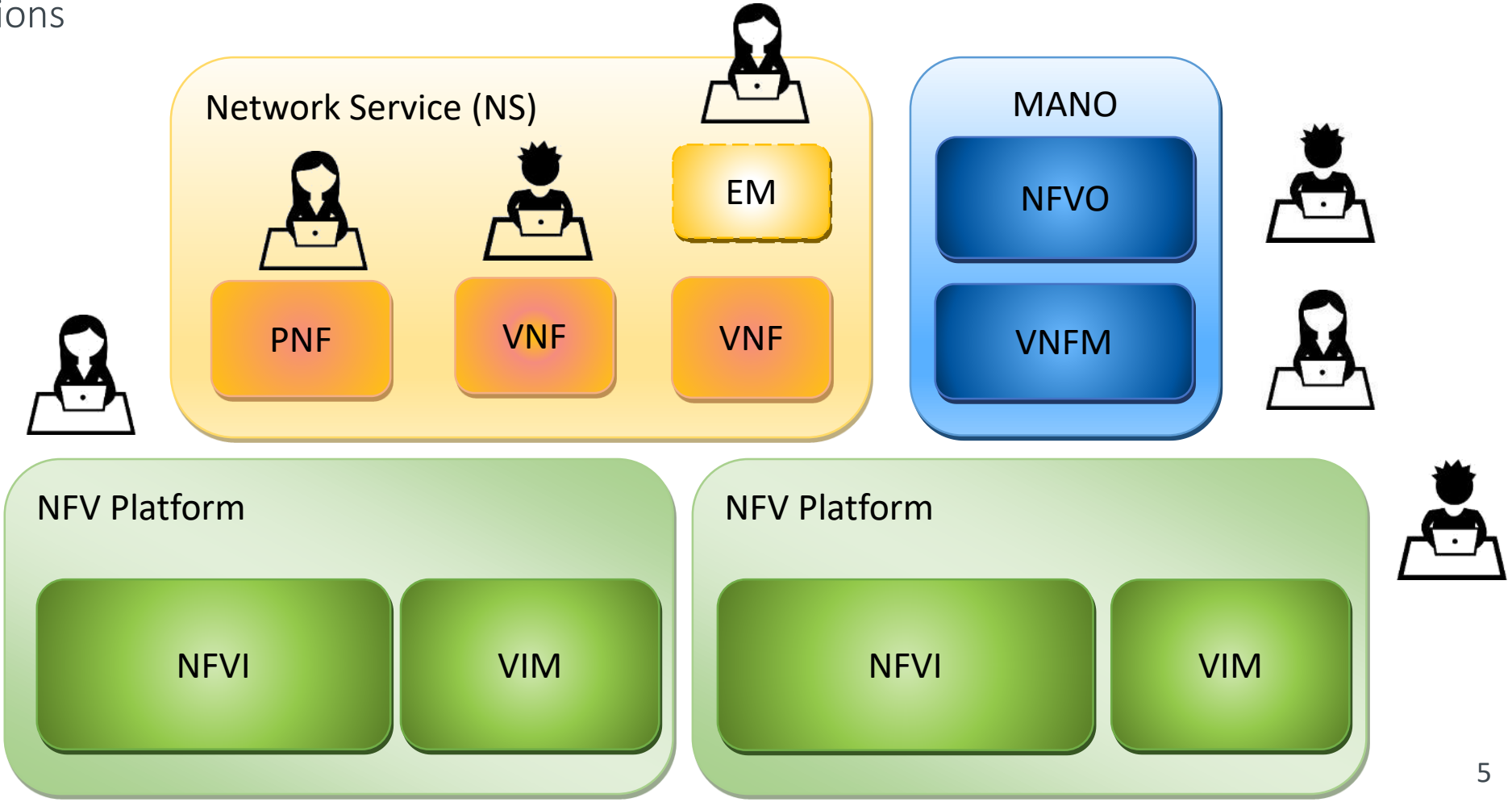
Scope 1 – Interop testing

- Based on NFV- TST007 Guidelines for NFV Interoperability Testing v2.6.1
- Several configurations





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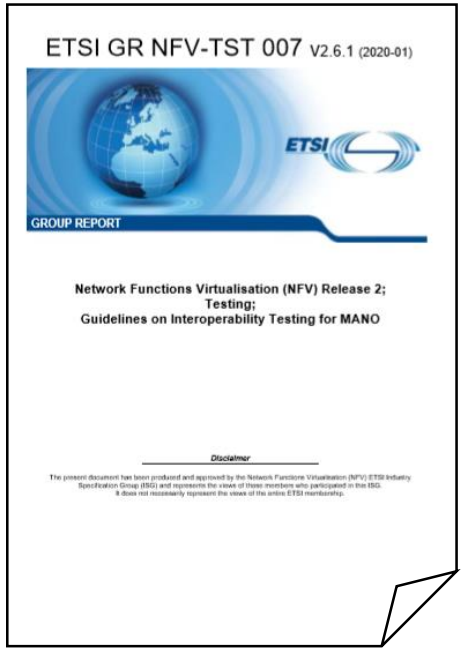
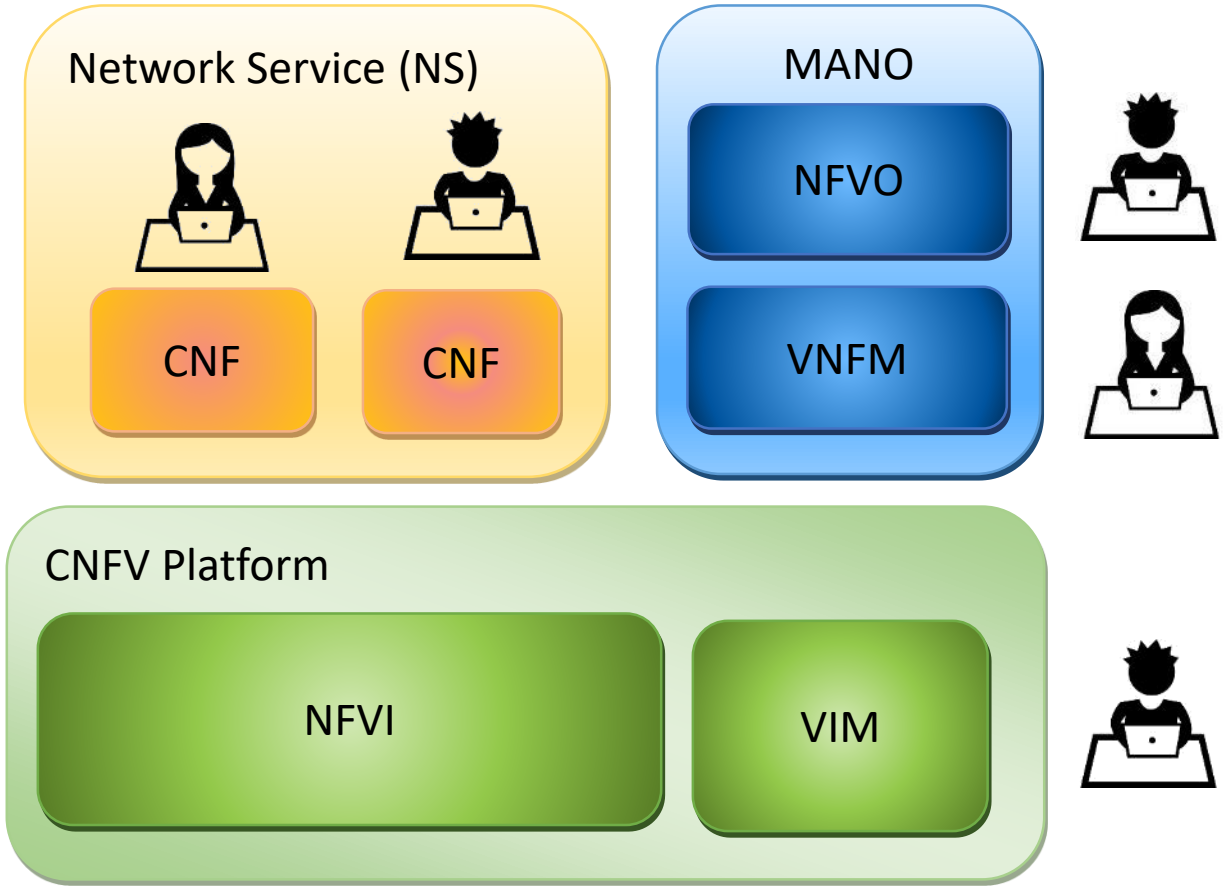
Scope 2 – Interop testing – Cloud Native track

New!

- Based on NFV- TST007 Guidelines for NFV Interoperability Testing v2.6.1
- Start with simpler configurations





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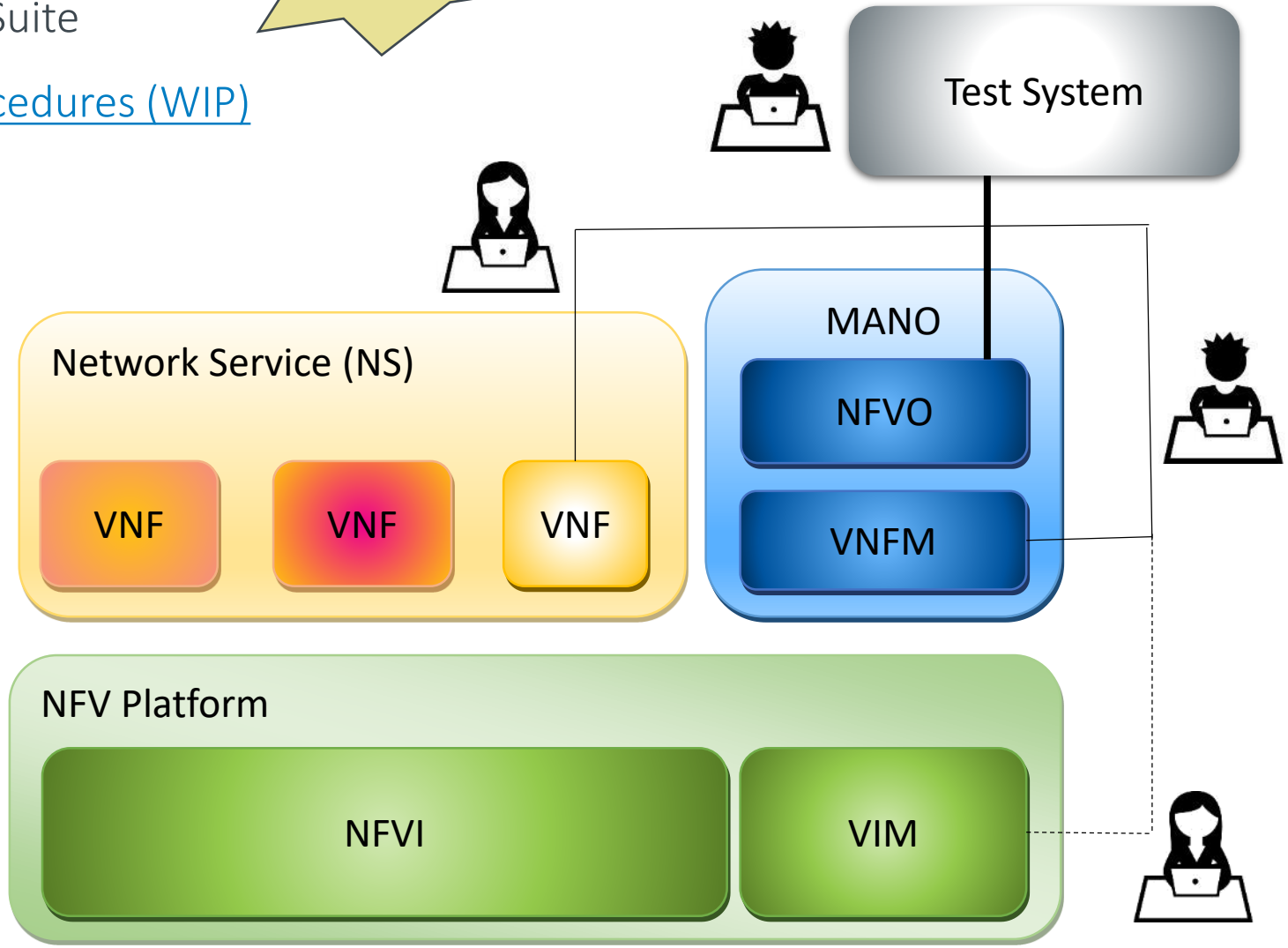
Scope 3 – Automated Interop Testing

New!

- New experimental Robot Framework Test Suite
- Based on NFV- SOL016 MANO Stage 3 Procedures (WIP)
  - VNF package on-boarding
  - NS instantiation
  - NS termination
  - NS scale VNF
  - NS update (external VNF connectivity)
- Triggers and final checks based on SOL005
  - Additional checks (SOL002, SOL003) TBD



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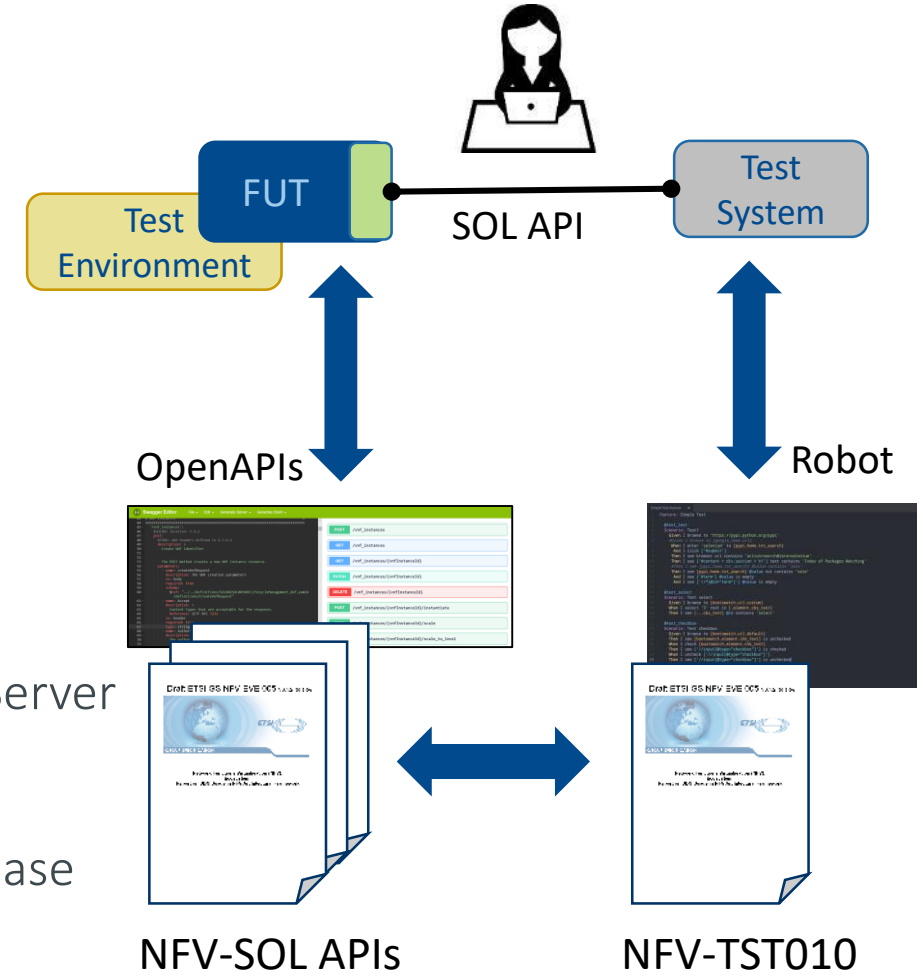
Scope 4 – NFV API Conformance Testing

- Individual Test Sessions (self-service) => **Participants operate their FUT and the Test System**
- Test Plan:
  - **NFV TST010 – NFV API Conformance Specs**
  - Robot Framework Test Suites
  - 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)
- An **API testing briefing** will be scheduled during the preparation phase



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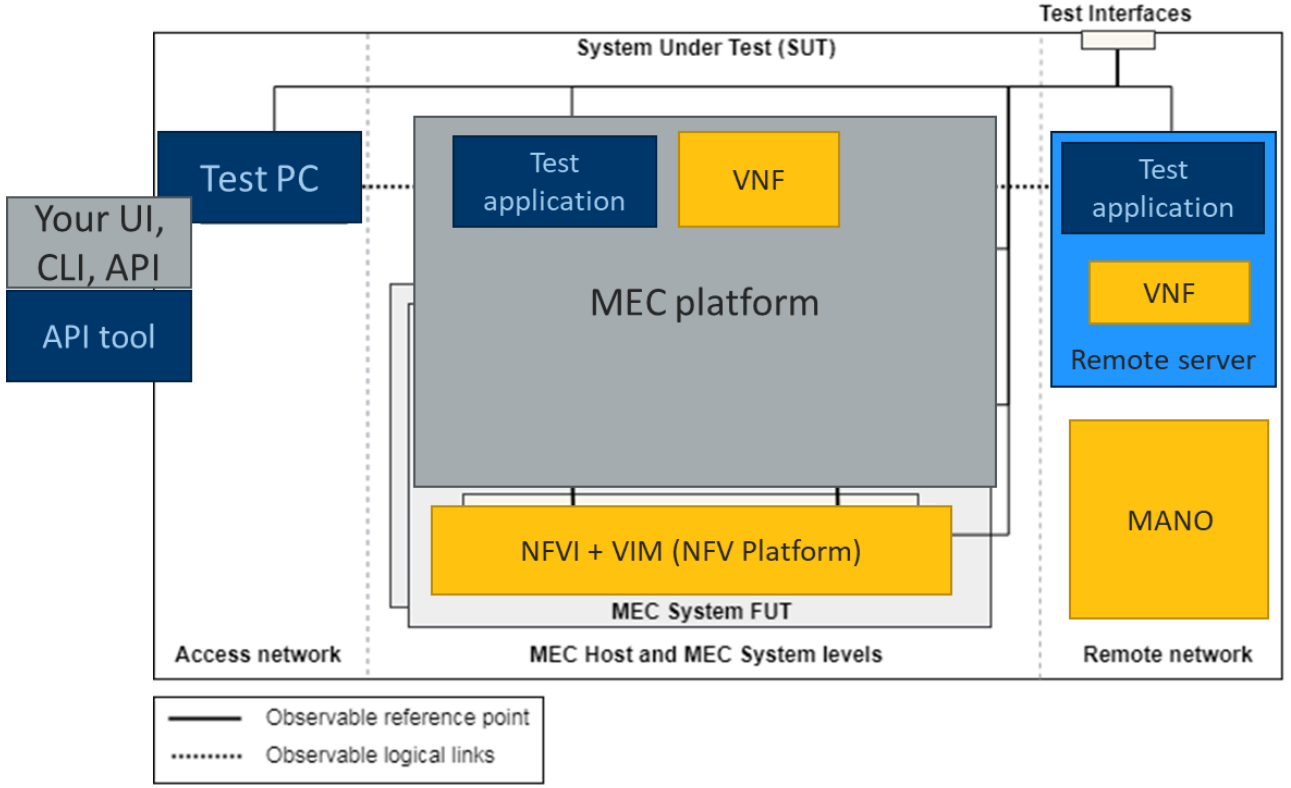
Scope 5 – MEC Interop Testing

- Individual Test Sessions (self-service) => **Participants operate their FUT and the Test System**
- **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 *Test Plan MEC IOP V1.0.0 from the 4th NFV Plugtests (2019)*



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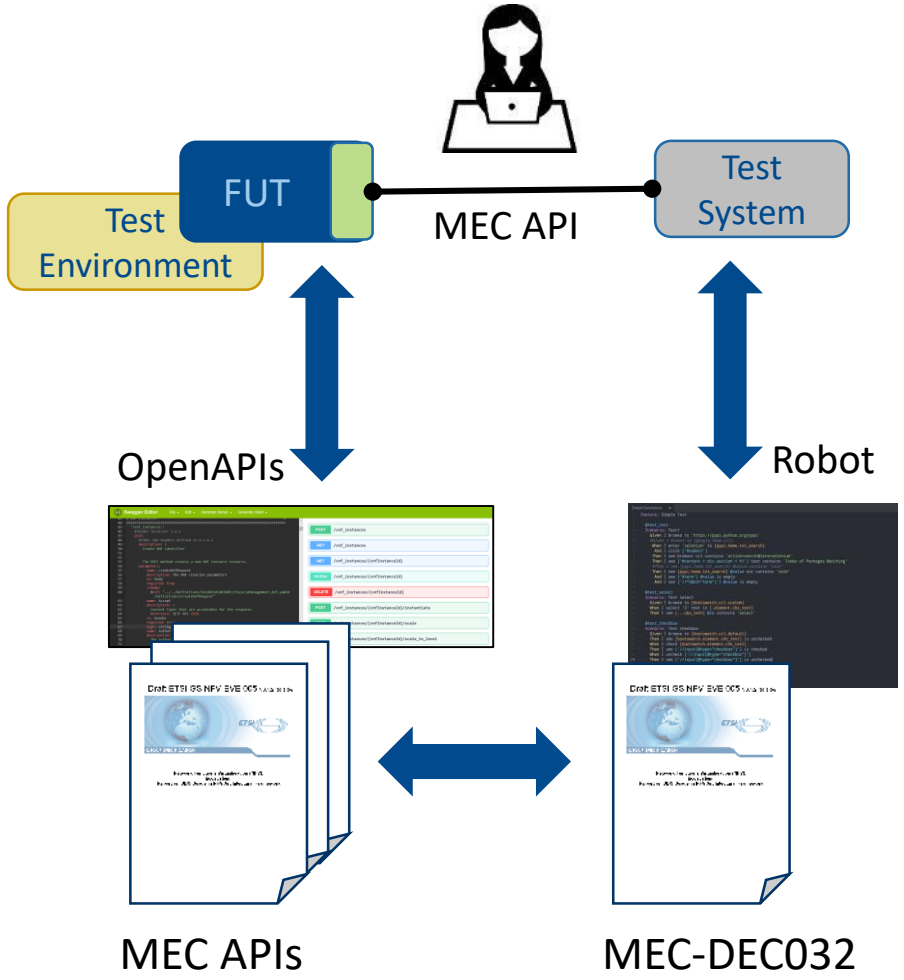
Scope 6 – MEC API Conformance Testing

- Individual Test Sessions (self-service) => **Participants operate their FUT and the Test System**
- Test Plan:
  - **MEC DEC 032 – MEC API Conformance Specs**
  - Robot Framework Test Suites
- Plugtests Team makes **available on-line**
  - the **Test System:** MEC API Client & notification end point
- Participants provide:
  - the **FUT**: MEC 011, 012, 013, … API Server
  - the **Test Environment**
- A **MEC API testing briefing** will be scheduled during the preparation phase



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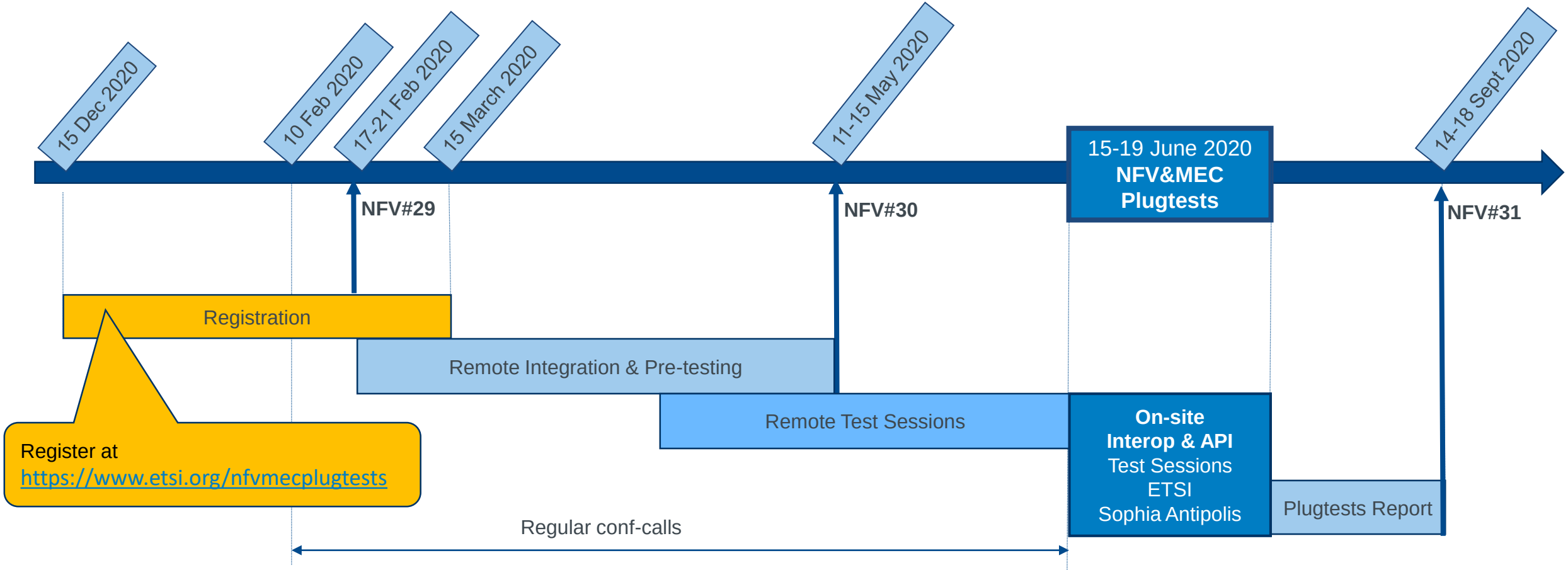
NFV&MEC Plugtests 2020 - Timeline



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Registration

- At https://www.etsi.org/nfvmecplugtests
  - Min 1 person on-site (ETSI, Sophia Antipolis) 15-19 June – 2 or more recommended
  - Only people that will be on-site need to register
- Only Operators and Academia can register as observers
  - Vendors are expected to provide components or tools for the Test Sessions and have an active participation
- Once registered
  - You will receive a QR code
    - You will need it for on-site check-in
  - The NFV Plugtests Programme NDA needs to be signed
    - Same as for previous events, no need to re-sign
  - The team gets access to the NFV-PLUGETSTS Wiki, Slack and subscribed to the NFV_Plugtests Mailing list
    - As many people in remote support as needed => just ask to Plugtests@etsi.org

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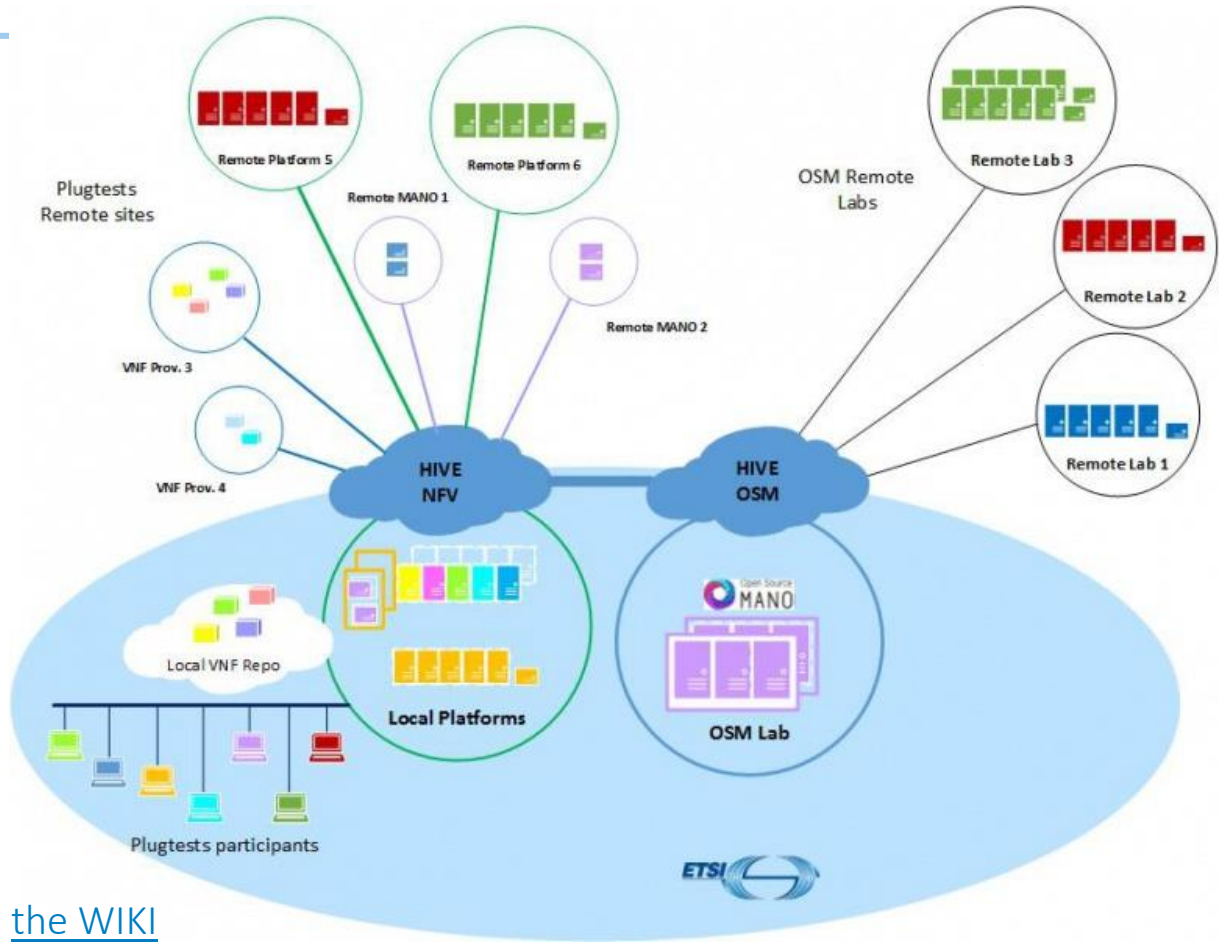
Remote integration

- Regular calls, Mondays 3-4 pm CET
  - February 10th – Kick-off
  - February 24th – Deep dive on MEC
  - March 16th
  - April 6th
  - April 20th
  - May 4th
  - May 11th
  - May 18th
  - May 25th
  - June 8th
- Main goals
  - Get your implementation / lab connected to HIVE
    - Hub for Interoperability and Validation at ETSI, instructions in the WIKI
    - It is also possible to ship equipment to ETSI
  - Get familiar with test specifications and ask questions
  - Get your Function Under Test documented on the wiki



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Remote (Pre-)Testing

- Regular calls, Mondays 3-4 pm CET
  - February 10th – Kick-off
  - February 24th – Deep dive on MEC
  - March 16th
  - April 6th
  - April 20th
  - May 4th
  - May 11th
  - May 18th
  - May 25th
  - June 8th
- Main goals
  - Start (pre-)testing with 3rd parties remotely
  - Prepare, validate and share descriptors, packages …
  - Start running conformance tests remotely
- Start as soon as remote integration completed => be proactive!
  - Contact 3rd parties on Slack, book pre-testing session, and ask questions!!

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On-site testing @ ETSI 15-19 June 2020

NFV&MEC Plugtests 2020

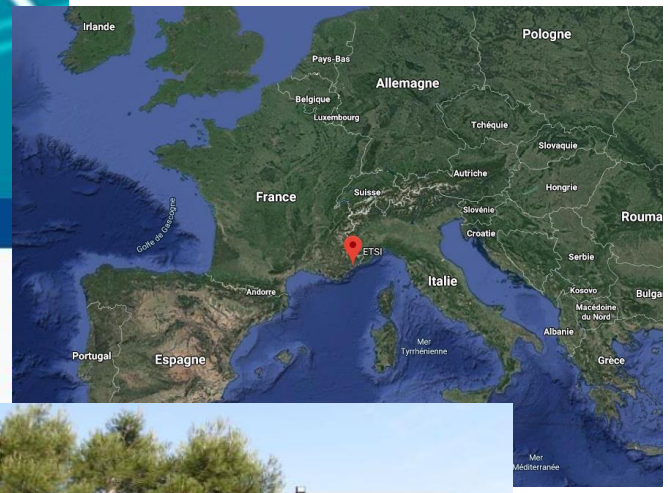
About us | Structure | Expertise | Operations | Partnerships | ETSI in Europe | ETSI worldwide | Legal | Find Us

Sophia Antipolis, France

€ Free of charge

15-19 June 2020

Register now | Contact us



About | Scope | Conditions | Related Documents | Open Calls | Venue & Travel

ETSI Headquarters

650 Route des Lucioles
06921 Sophia Antipolis
FRANCE

Tel: +33 4 92 94 42 00

Details of how to get to ETSI, local transport and hotels.

Time	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 09:30	SETUP	TEST SESSIONS			
9:30 10:30	WELCOME				
10:30 11:00	COFEE BREAK				
11:00 13:00	TEST SESSIONS				
13:00 14:00	LUNCH BREAK				
14:00 16:00	TEST SESSIONS				
16:00 16:30	COFEE BREAK				WRAP UP & TEAR DOWN
16:30 18:30	TEST SESSIONS				
18:30 19:00	WRAP UP	Networking dinner: Buses leave @ 18:30	WRAP UP		

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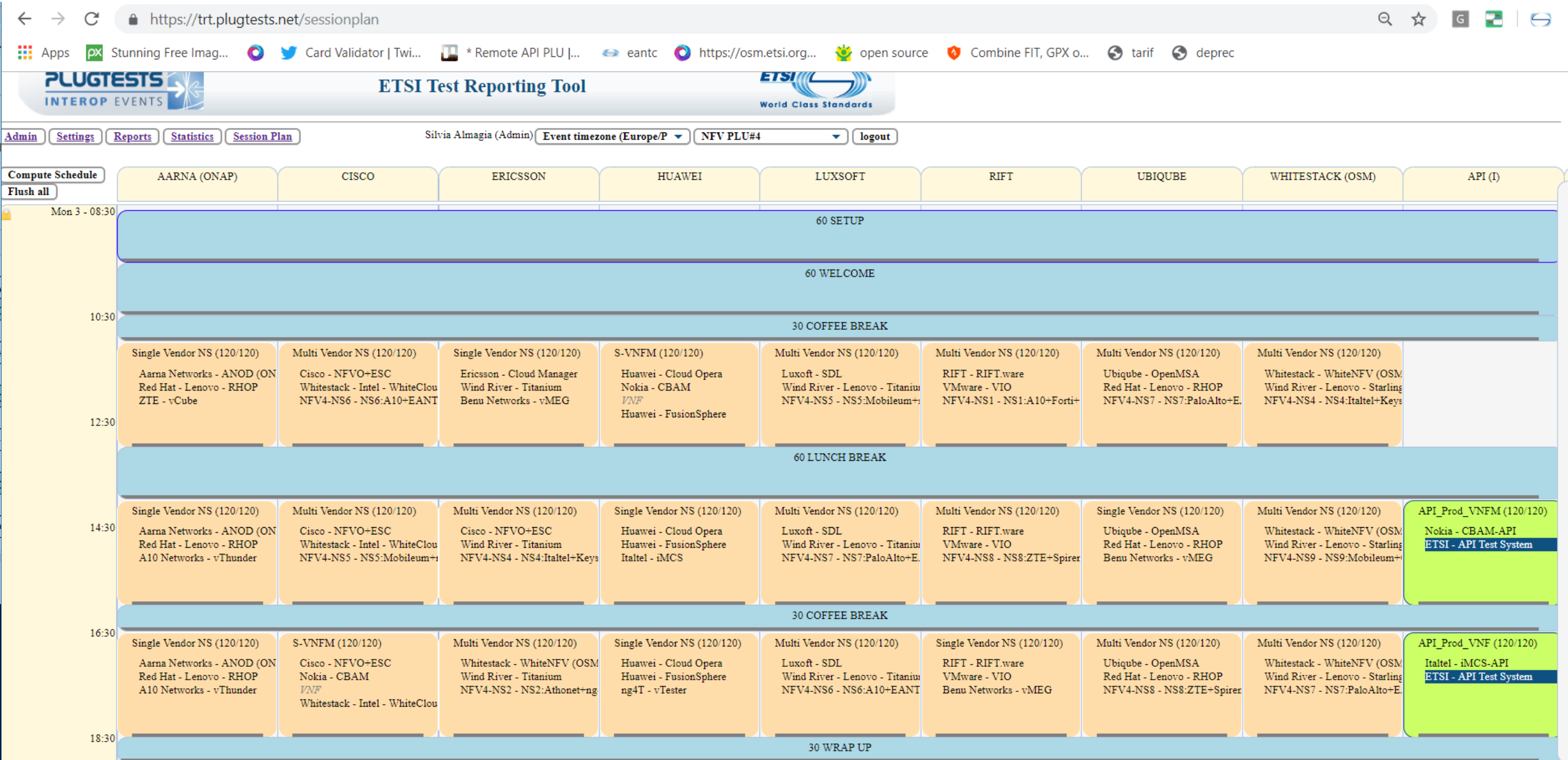
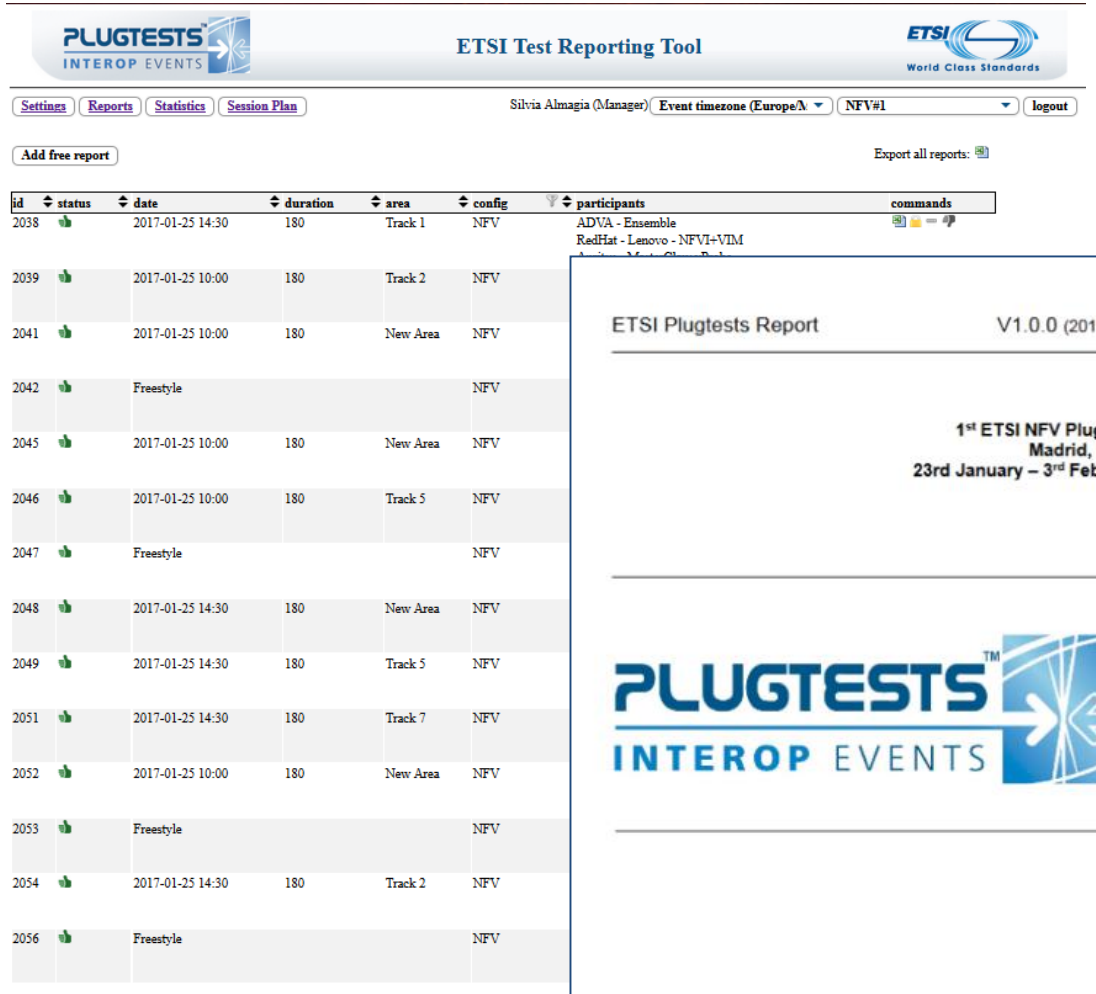
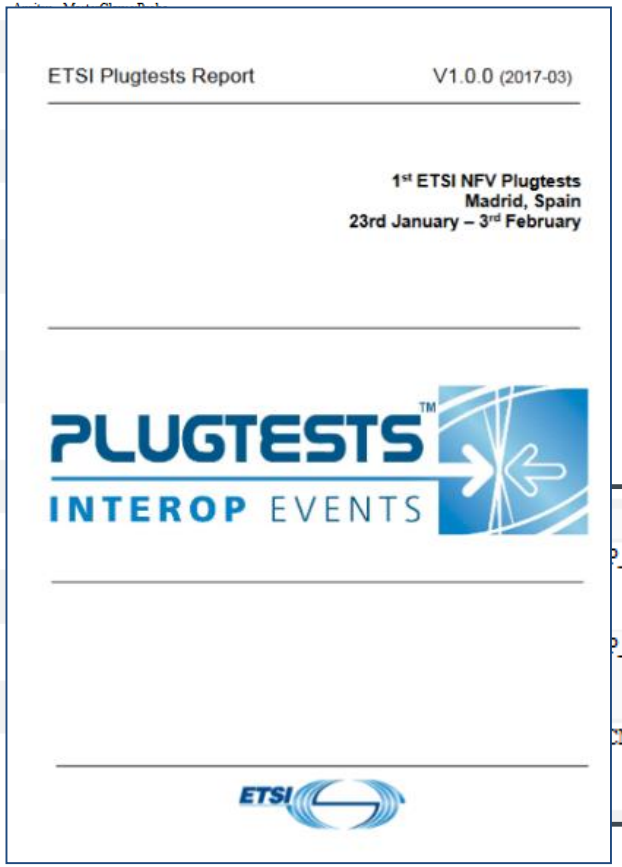
Test Session Schedule

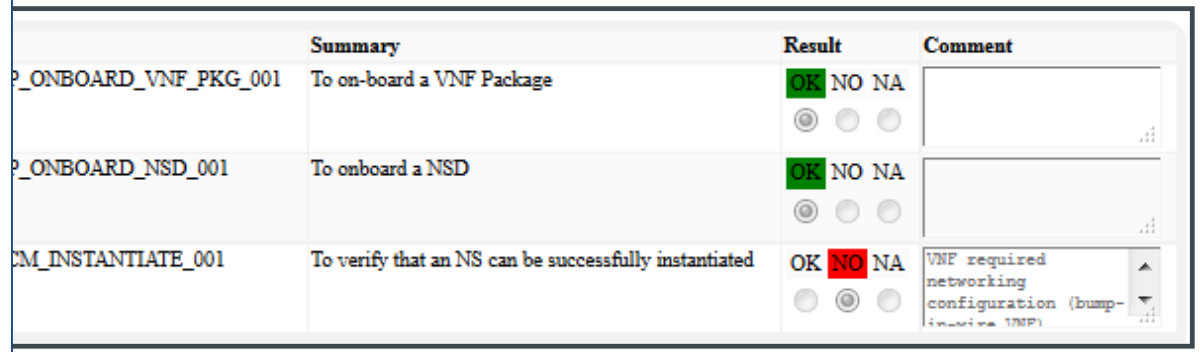


Test Session Reports





- trt.plugtests.net
- Instructions in the WIKI



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Guidelines for Comms

You are invited to communicate on your **participation** to Plugtests:

#NFVplugtests
#MECplugtests

- PRs, blog posts, social media...
- Note: If you are to mention other participants, please make sure they are OK with it
- The event is being photographed and video recorded only for ETSI use and related promotional purposes. By attending our event, you are hereby made aware that you may be photographed and/or video recorded and that your consent is presumed.

Some guidelines when communicating on Plugtests **Results**:

- Please wait for the Plugtests Report to be published before communicating on Plugtests Results
- You can communicate on your own company's (/project) results
- Do not mention other companies results if you do not have a written agreement with them
- Do not compare to other participants, i.e: "we are the first", "the only ones", etc....

ETSI acknowledges participation, but does not endorse or certify companies, products or results

- In case of doubt, check the RoE and NDA, or ask ETSI

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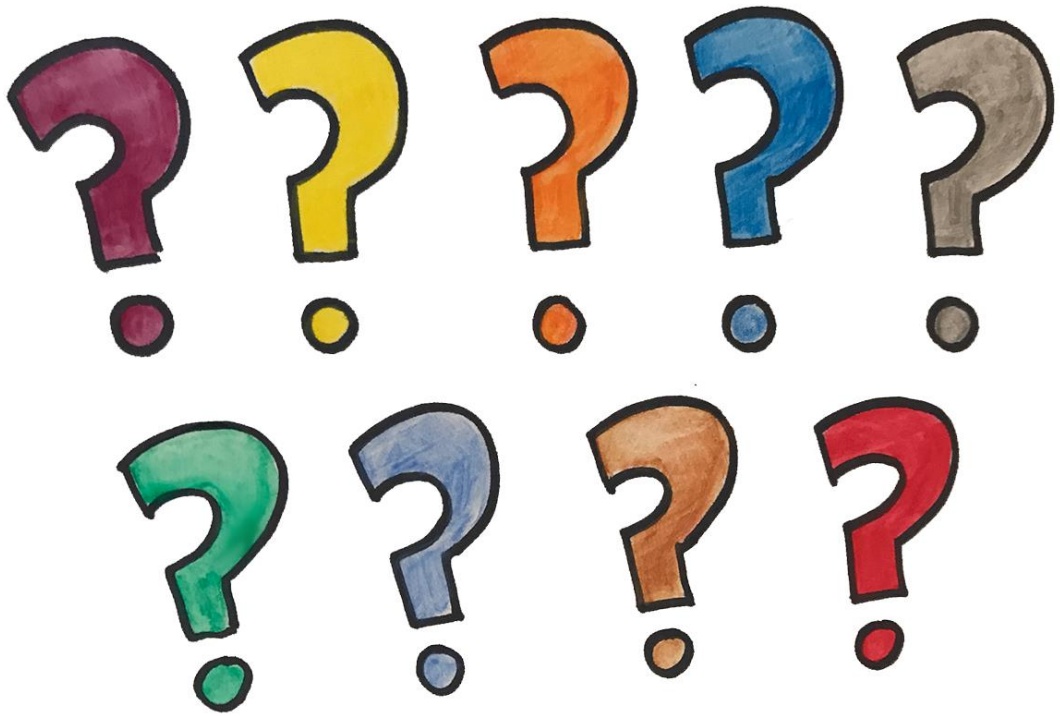
Questions?



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Thank you ☺

plugtests@etsi.org

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