# 2ND NFV PLUGTESTS KICK-OFF

Silvia Almagia, ETSI CTI

2nd October 2017

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# NFV PLUGTESTS TEAM

- CTI Technical Experts:
  - Silvia Almagia, silvia.almagia@etsi.org
  - Michele Carignani, michele.carignani@etsi.org
- Event coordinator:
  - Aurelie Sfez, aurelie.sfez@etsi.org
- IT, HIVE:
  - Jean-Luc Freisse, Jean-Luc.Freisse@etsi.org
- Technical Support:
  - Giacomo Bernini, g.bernini@nextworks.it
  - Elian Kraja, e.kraja@nextworks.it
  - Jokin Garay, jokin.garay@keynetic.es

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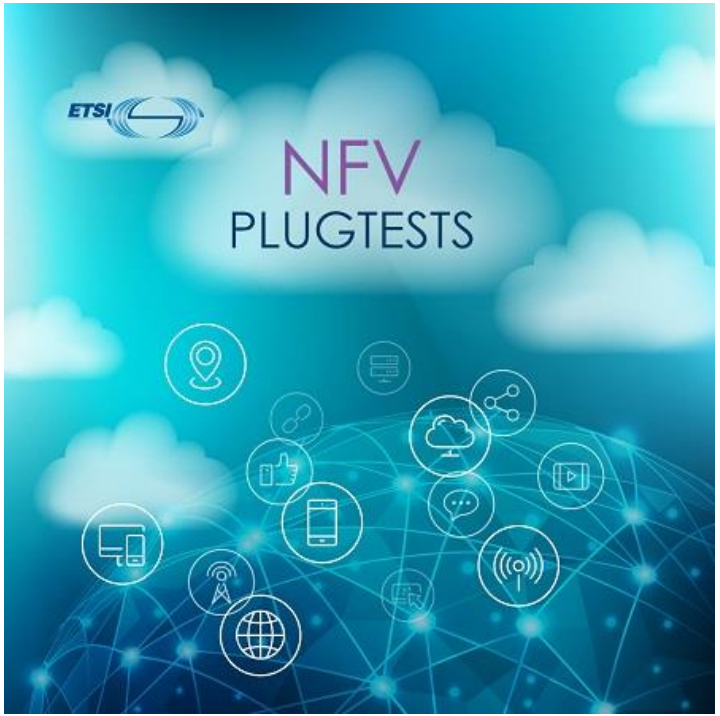
# 2ND NFV PLUGTESTS

- 15-19 January 2018, ETSI, Sophia Antipolis, FRANCE
  - Registration is **OPEN** (until 18th October 2017)
  - Participation free and open to any organisation bringing an **implementation to test or to support the testing**
  - Remote integration & pre-testing from October 2017
- ETSI OSM, Open Baton, OpenStack and OPNFV confirmed as supporting open source communities
  - Initial discussions with ONAP
- Co-located with 1st ETSI OSM Hackfest

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# SCOPE

- Coordinated multi-party **interoperability Test Sessions**
  - VNFs, MANO, VIM, NFVI.. as many combinations as possible
- Building on the learnings of the 1st NFV Plugtests
  - NS & VNF on-boarding, instantiation, scaling, update, termination
- Considering new aspects, such as:
  - fault and performance management, network path, multi-site, enhanced platform awareness,..
  - a parallel track for NFV APIs validation
- Final scope and test plan will be shaped with input from:
  - participants (you!)
  - supporting open source communities,
  - ETSI NFV

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# THE “PROGRAMME” CONCEPT

- Continuous program to support future Plugtests events and NFV Testing activities
- Rationalise Plugtests preparation & participation overhead
  - Technical: Connect to Plugtests HIVE once, keep it up in between Plugtests
  - Admin: Sign 1 NDA once, then just register to specific Plugtests events
- Many practical Benefits:
  - Permanent access to testing partners
  - Allow for remote testing any time (before & after Plugtests events)
  - Allow for other types of testing (PoCs, experimentation, validation)
  - Allow for local infrastructure & tools hosting @ETSI

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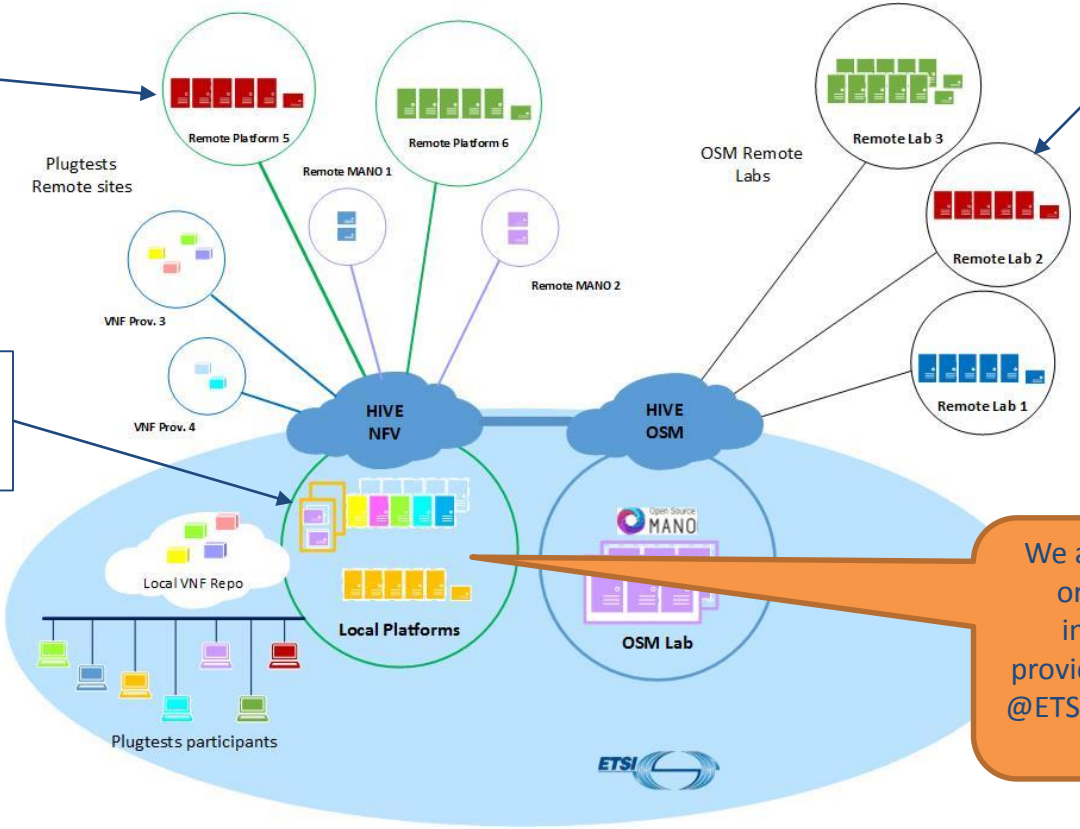
# HIVE – SEVERAL OPTIONS

Connect as Plugtests participant

Bring your implementation to ETSI (from the remote integration phase Oct-Nov)




Connect as OSM remote lab

We are looking for organisations interested in providing HW locally @ETSI: servers, NFVI, tools..

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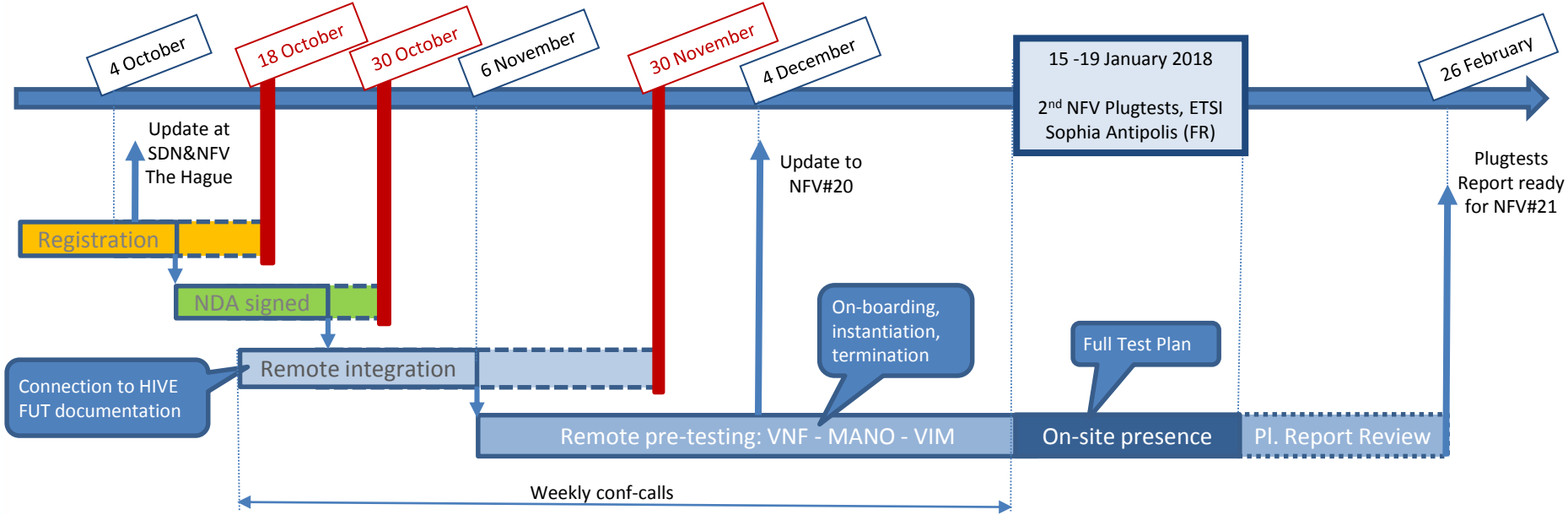
# PARTICIPATION TIMELINE




- Registration at http://www.etsi.org/nfvplugtests2 before 4th / 18th October
- NDA sent to participants upon registration
- Access to Plugtests resources is provided as soon as NDA signed, and remote integration can start

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# PARTICIPATION TIMELINE

- 4th October
  - Registration deadline to be mentioned as Plugtests participants at SDN NFV world congress – The Hague (9th October)
  - NFV-PLUGTESTS mailing list purge
- 16th October
  - Remote integration starts (requires NDA signed): connection to HIVE, local deployment, FUT documentation, descriptors, …
  - Start of weekly conf-calls
- **18th October**
  - Registration closes
- **30th October**
  - Deadline for NDA signature
- 6th November
  - Remote pre-testing starts among connected/available VNFs, MANOs, VIMs (on-boarding, instantiation, termination ..)
- **30th November**
  - Deadline for remote integration / local deployment : all participants connected to HIVE (remotely or locally from ETSI)
- **15 -19 January**
  - On-site presence (min 1 engineer/ FUT)
- 26th February
  - 2nd NFV Plugtests Report release

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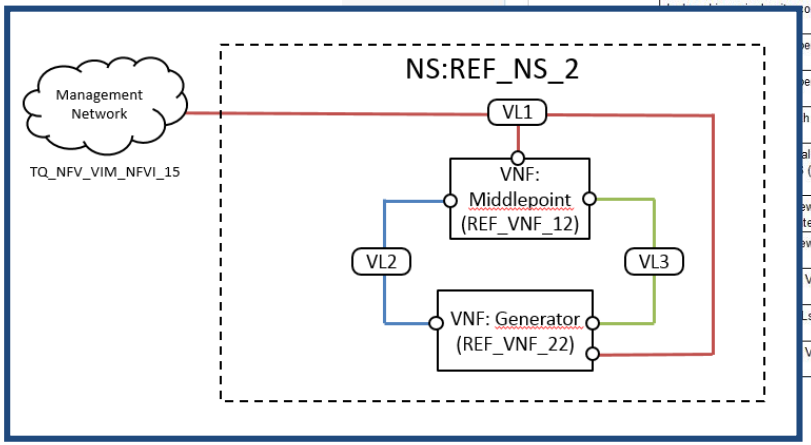
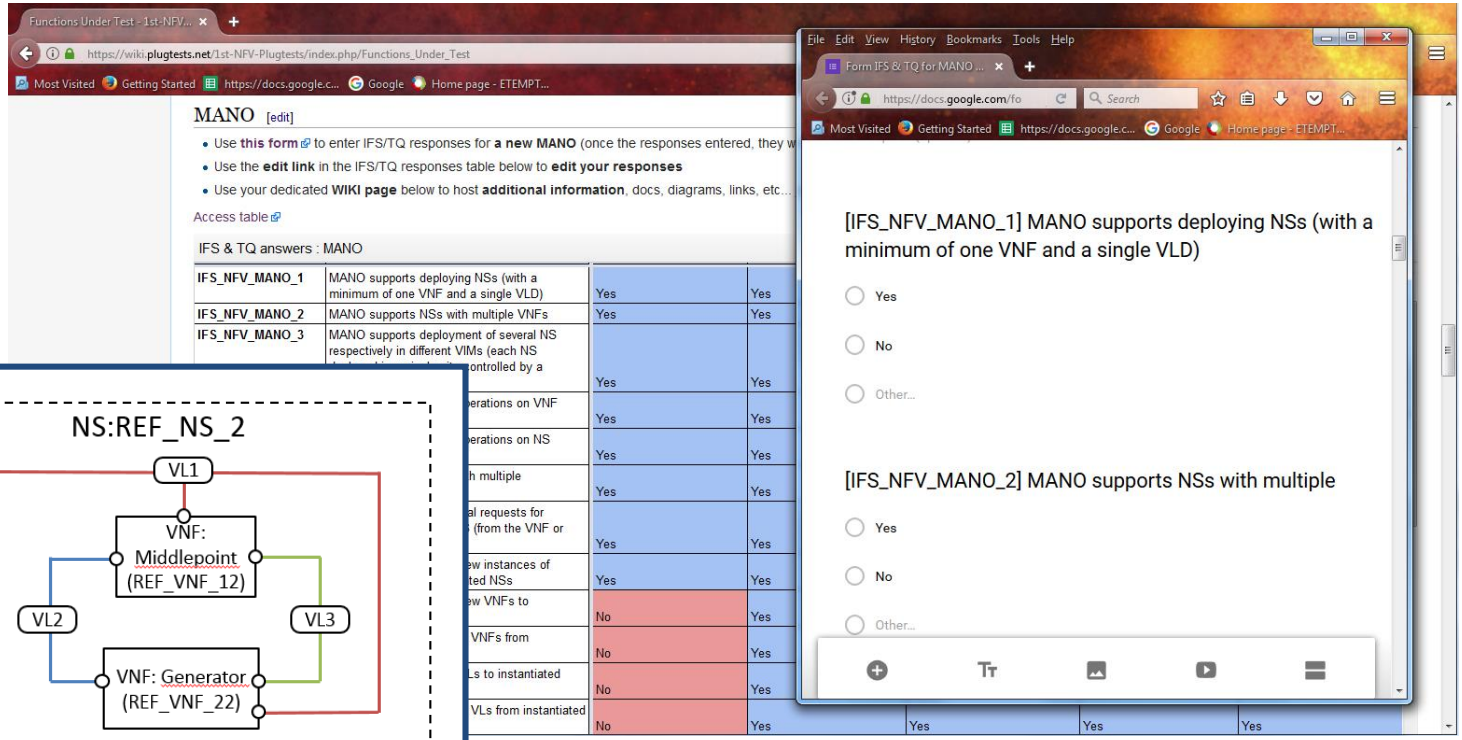
# REMOTE INTEGRATION: FUT DOCUMENTATION

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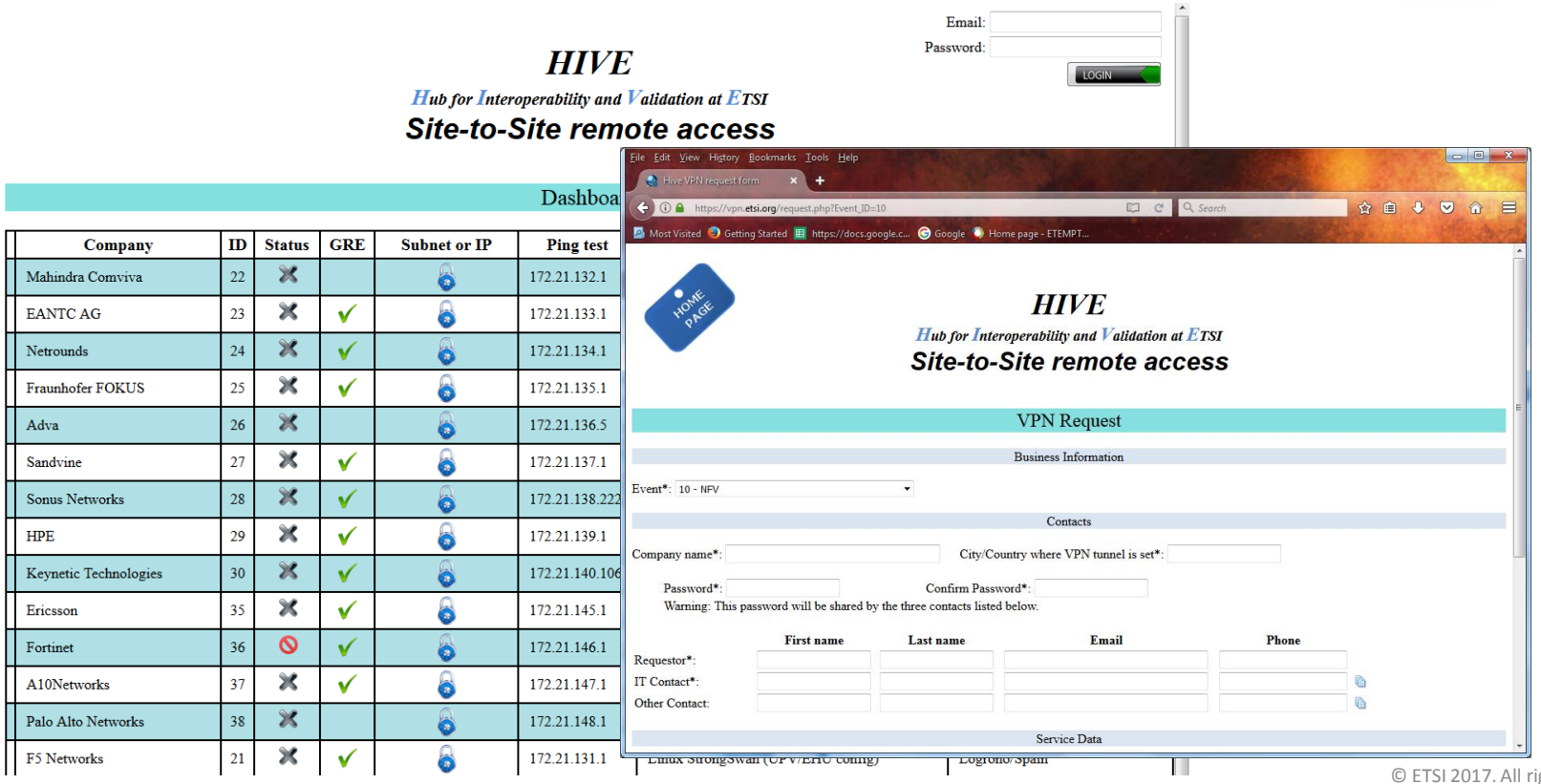
# REMOTE INTEGRATION: REQUEST HIVE CONNECTION

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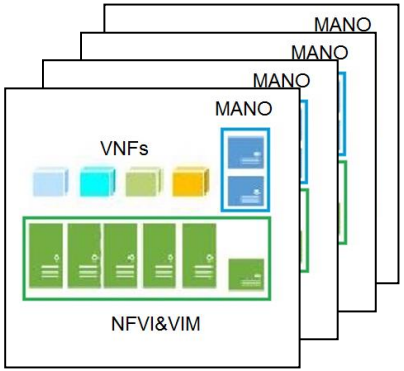
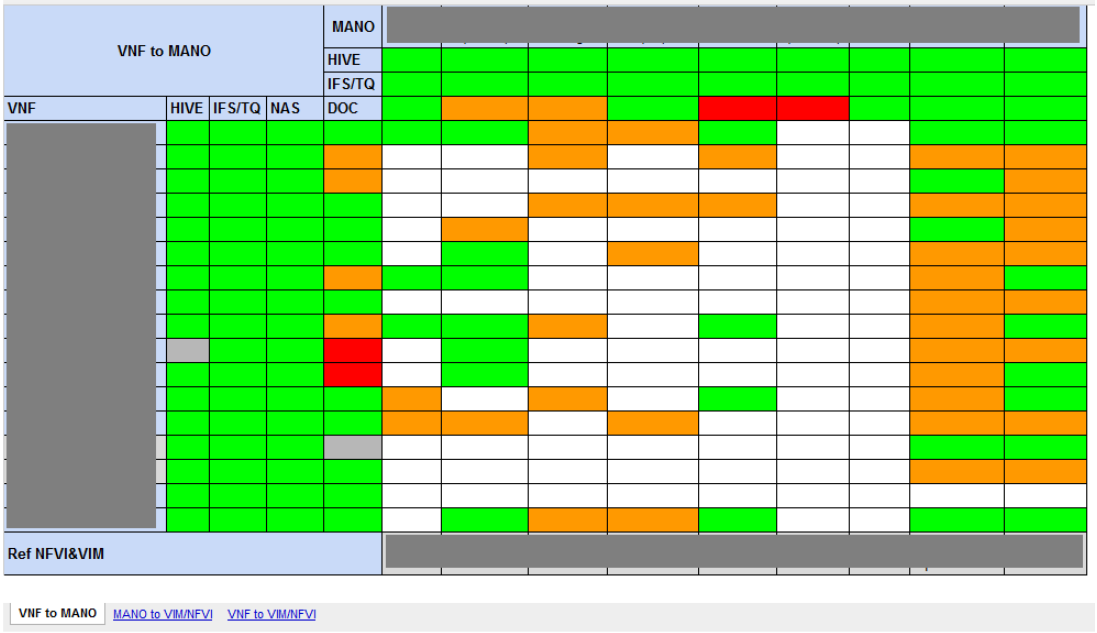
# REMOTE PRE-TESTING




- Connectivity, credentials
- Images, descriptors
- Basic testing:
  - On-boarding
  - Instantiation
  - Termination

Sanity-check different (as many as possible) combinations of MANO – VIM -VNF

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# ONSITE - DAILY TEST SESSIONS

Evening wrap-up meetings

Several Parallel Test Sessions

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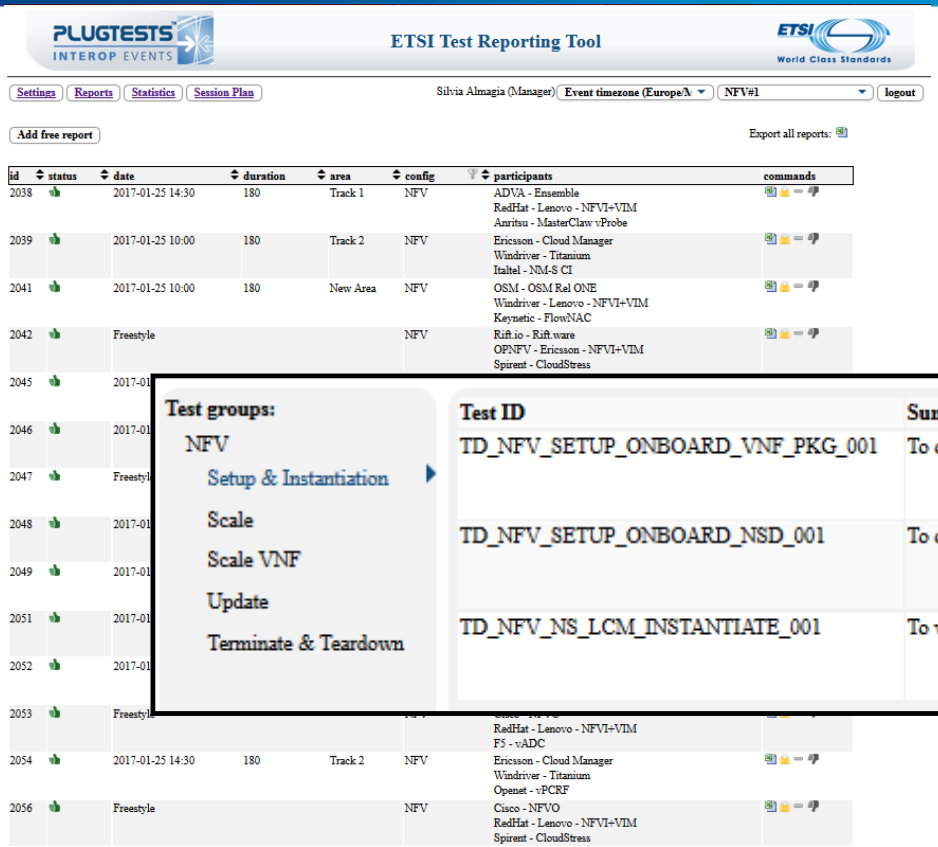
# TEST SESSION REPORTS




Detailed results only accessible to those organisations involved in the Test Session

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# OVERALL RESULTS (AGGREGATED DATA)

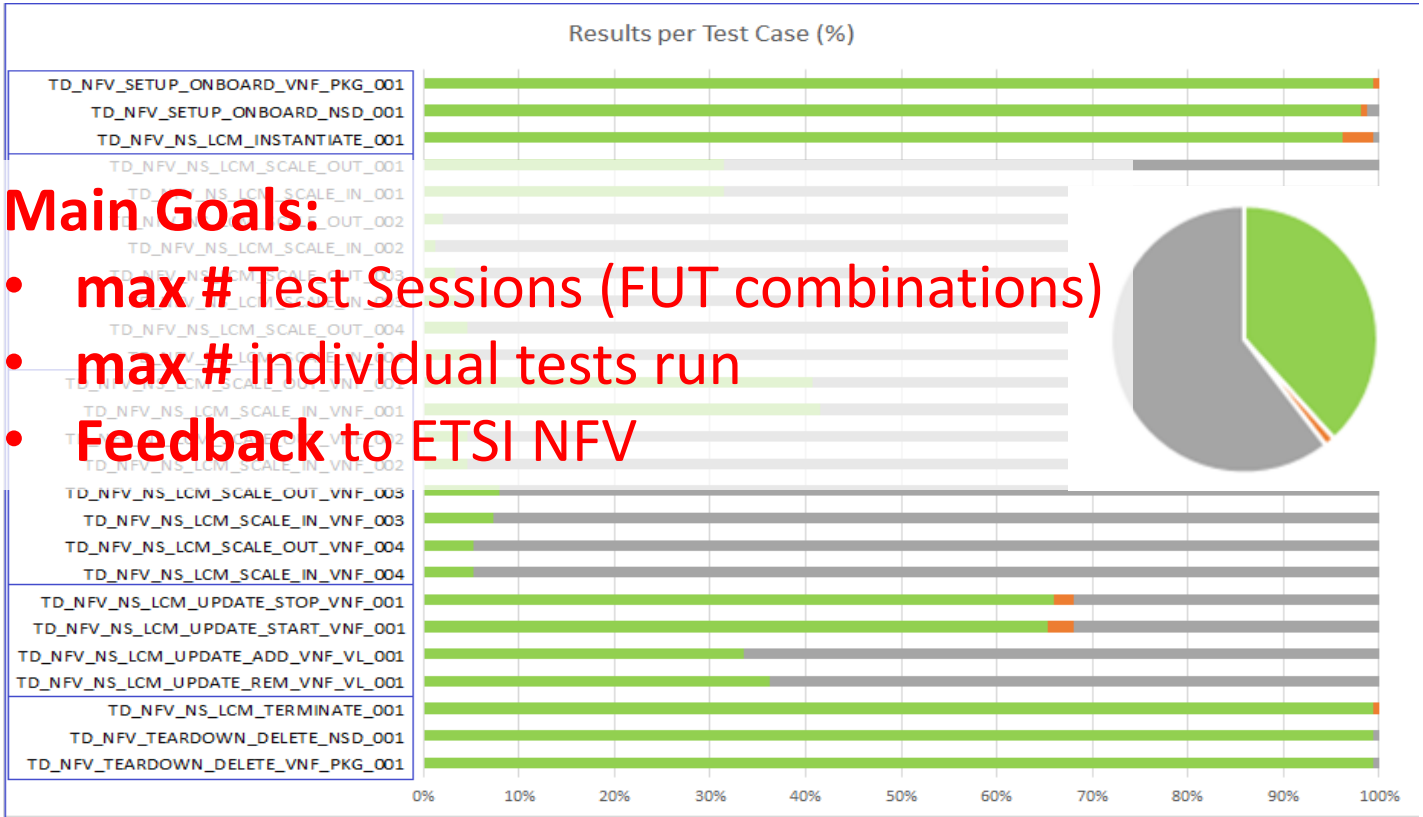
On-boarding & Instantiation

Scale (+/- VNF i)

Scale VNF (+/- VNFC i)

NS Update

Terminate & Teardown

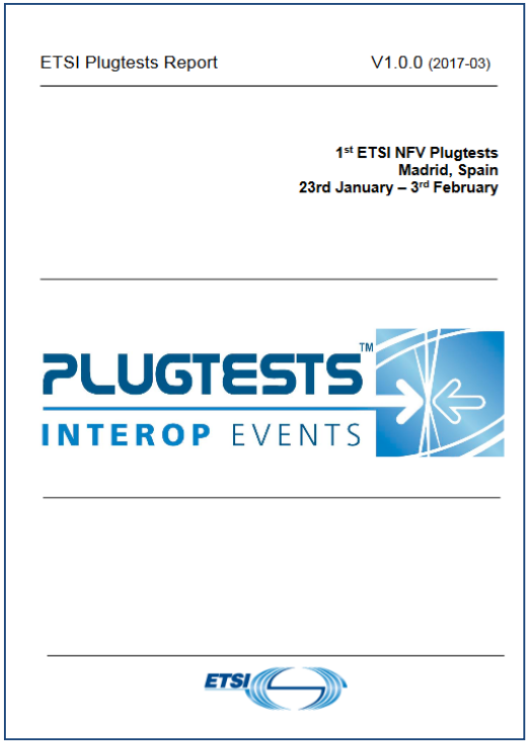



**Main Goals:**

- **max #** Test Sessions (FUT combinations)
- **max #** individual tests run
- **Feedback** to ETSI NFV

# SOME REMINDERS

- ETSI does not certify or endorse companies or products participating to Plugtests
  - We provide the framework, the means, the methodology, the procedures, the test plan…
  - Actual testing is run collaboratively by participants
- NFV Plugtests are a tool to validate ETSI NFV work and gather consolidated feedback from implementers
- The 1st NFV Plugtests Test Plan was contributed to ETSI NFV-TST007 (about to be published)
- Recommended reading for new Plugtests participants:
  - 1st NFV Plugtests Report

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# QUESTIONS?

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# CONTACT DETAILS

**Silvia Almagia**

**Centre for Testing and Interoperability, ETSI**

silvia.almagia@etsi.org

plugtests@etsi.org

Thank you!

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