



LFNTECH: ETSI NFV Release 2, 3 & 4 updates

Presented
by:

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Outline

- ETSI NFV ongoing work
- Release 2 progress
- Release 4:
 - Work items and features: studies and stage 1&2 perspective
 - Release 4 progress

ETSI NFV ongoing work

Release 2:

- ✔ **Stage 2 and Stage 3 maintenance is frozen.** Latest set of stage 3 SOL specs is v2.8.1, which has been completed in the summer 2020.
- ✔ **Additional stage 3 specs were also completed:** data models for virtualised resource descriptors (SOL014), NFV-MANO management procedures (SOL016).
- ✔ Only **one work item remaining:** NFV-MANO architectural framework (NFV006).

Release 3:

- ✔ Stage 2 maintenance is underway. → **First stage 2 maintenance round (v3.4.1)** has been completed in the summer 2020.
- ✔ **Stage 3 first package/drop was completed,** published as v3.3.1. → work continues for the next drop.

Release 4:

- ✔ Informative work items are ongoing (some started in May 2019 and September 2019).
- ✔ Normative work of carried-over Rel. 3 studies is ongoing as part of Rel. 4.
- ✔ Targeting **completion of a first drop (Oct/Nov)** of a set of specific deliverables.



Release 2: progress

Sixth cycle of maintenance work (1H2020) was completed just after NFV#30-e:

- ✔ Work triggered from the approval of super-WIDs in contribution [NFV\(19\)000344r2 Super-WID with NWIs for 2020H1 Release 2 Maintenance.docx](#)
- ✔ Maintenance was only performed on SOL, TST and SEC specifications:
 - ✔ SOL: SOL001, SOL002, SOL003, SOL004, SOL005, SOL006, SOL007, SOL013 → new versions published as v2.8.1.
 - ✔ TST: TST010, published as v2.6.1.
 - ✔ SEC: SEC021 (still open).
- ✔ Stage 2 maintenance work was completed in July 2019, and has remained frozen since then.
- ✔ **Stage 3 maintenance:** from now on it is **also frozen**. Maintenance, if any, will be performed reactively, or proactively on a limited known set of specs (to be confirmed).

Two more NFV-SOL work items for new specifications were also completed:

- ✔ Data models for virtualised resource descriptors ([DGS/NFV-SOL014](#)), published as v2.8.1.
- ✔ NFV-MANO procedures ([DGS/NFV-SOL016](#)), published as v2.8.1.

NFV-MANO architectural framework updates to Release 2: work is ongoing as part of the [DGS/NFV006](#) work item.

Release 4: work items and features: studies and stage 1&2 perspective

Completed: underlined
Ongoing/not fully completed: *italics*
Evolved: in **bold**

(**): other normative work is part of evolved work items

NOTE: might not be a full complete list due to lack of space



Status as of Sep. 2020

Network Service LCM and Descriptor (NFV-IFA013/014/030)

VNF LCM, Packaging and Descriptor (NFV-IFA007/008/011)

Virtualised Resource management (NFV-IFA005/006)

Multi-site connectivity (NFV-IFA032)

Metrics and Performance (NFV-IFA027, NFV-TST008)

NFV-MANO mgmt (NFV-IFA031)

1) Framework from past releases

Information Modeling (NFV-IFA015/016/017/024)

2) New features

Multi-tenancy for NFV-MANO (NFV-EVE018)

Network connectivity integration and operationalization for NFV (NFV-IFA035/038)

NFV-MANO automation and autonomous networks (NFV-IFA041)

VNF generic OAM functions (NFV-EVE019)

NFV enhancements for 5G (NFV-IFA037)

Policy models (NFV-IFA042)

Continuous VNF integration (**)

SBA for NFV-MANO (NFV-IFA039)

3) Technical enhancements

Security enhancements (**)

Specific technical enhancements (**)

4) Carried-over from Rel. 3

MEC in NFV (**)

Security mgmt (NFV-IFA026/033, NFV-SEC024)

NFV-MANO upgrades (NFV-REL011)

Licensing mgmt (NFV-EVE010, NFV-IFA034)

Cloud-native VNFs and container infrastructure mgmt (NFV-EVE011, NFV-IFA029/036/040, NFV-SEC023, **)

Release 4: progress

IFA033 was completed and published as v4.1.1.

IFA040 was completed but publication is pending due to normative references to other specifications.

A first drop of publication is planned for Oct/Nov.

- ✔ It will contain only “part of FEAT17 on Cloud-native VNFs and container infrastructure mgmt.”
- ✔ To cover IFA040, IFA010 and IFA011, and to be published as v4.1.1.
 - ✔ IFA040: CISM and CIR container workload service interfaces.
 - ✔ IFA010: functional requirements for NFV-MANO, including CISM and CIR.
 - ✔ IFA011: VNFD modelling to support container-based VNF.

ETSI NFV and ONAP-ETSI Alignment workshop, hosted by IFA WG



Date: October 14, 2020 (IFA WG meeting #212)

Time: 14:30-17:00 CEST; at the beginning of IFA WG session.

Scope: Information sharing on ONAP-ETSI NFV alignment on FEAT017. ONAP-ETSI alignment project will be sharing their upcoming Honolulu Release requirements and priority. IFA WG will be sharing their FEAT017 specifications update and timeline. Also, there will be some discussion on Stage 3 work and timeline of SOL WG.

Meeting link information: <https://www.gotomeet.me/ETSI-NFV-IFA>

More information

NFV Technology Page
(information)

<http://www.etsi.org/nfv>

NFV Portal (working area)

<http://portal.etsi.org/nfv>

NFV Proofs of Concept
(information)

<http://www.etsi.org/nfv-poc>

NFV Plugtest (information &
registration)

<http://www.etsi.org/nfvplugtest>

Open Area:

- ✔ Published Docs: https://docbox.etsi.org/ISG/NFV/Open/Publications_pdf
- ✔ Working Drafts <http://docbox.etsi.org/ISG/NFV/Open/Drafts/>
- ✔ Issue tracker http://nfvwiki.etsi.org/index.php?title=NFV_Issue_Tracker
- ✔ Detailed Release 3 specification progress can be found at:
https://nfvwiki.etsi.org/index.php?title=Feature_Tracking

