Creating a Common NFVi Progress Update for OPNFV TSC

Common NFVi Telco Taskforce
June 4th, 2019

CNTT

Accomplishment…

- High-Level 'reset': the *GSMA NFVi Profiles and Architecture* document will now be called the *CNTT Reference Model*

Work to…

- Expand engagement with operators and vendors in Common NFVi development efforts

- Recruit more operators and spur adoption long-term

- Build upon existing momentum and leverage a collective will to succeed

Expected Outcomes

Reference Model
Operators & Vendors collaboratively create reference model for infrastructure abstraction including open interfaces and APIs.

Reference Architecture
Operators & Vendors collaboratively create reference architectures for infrastructure (OpenStack, K8s, etc.).

Reference Implementation
Working/collaborate closely with OPNFV to accelerate implementation of NFVI.

OVP
Develop and maintain entrance / exit criteria, test and use case scenarios.

OVP
VNF/NFVI vendors certify their VNFs/NFVIs through a VNF/NFVI Certification program and process using Reference Implementations as a basis.

Sponsors

GSMA-CNTT

LFN-OPNFV
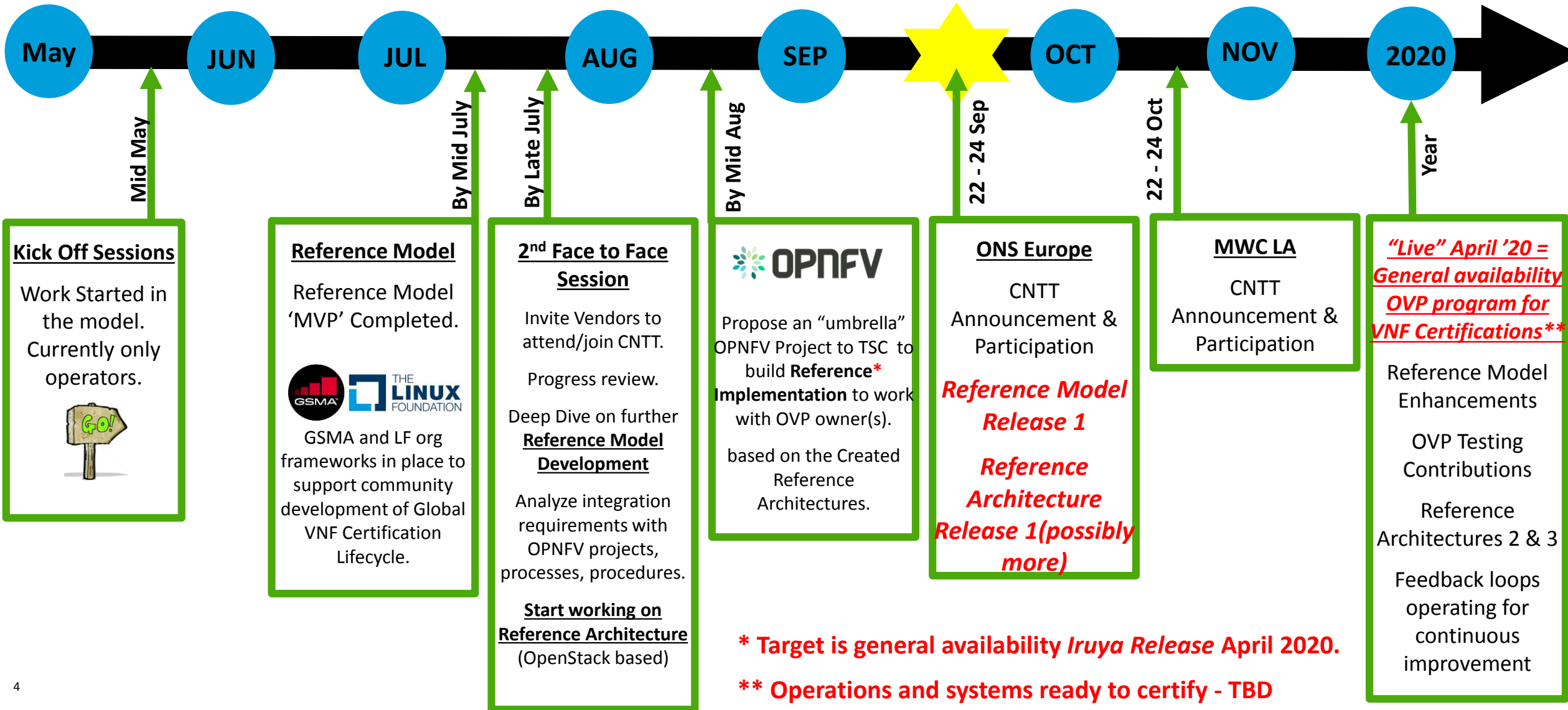
Reference Model

Chapters

1. Introduction
2. VNF Requirements & Analysis
3. Infrastructure Abstraction
4. Catalogue
5. Reference NFVi SW profiles and configurations
6. Reference NFVi HW profiles and configurations

7. APIs & Interfaces
8. Security
9. Operations
10. Compliance, Verifications, & Certifications
11. Challenges and Gaps

Proposed 2019 Schedule

Timeline: May — JUN — JUL — AUG — SEP — ★ — OCT — NOV — 2020

Mid May

By Mid July

By Late July

By Mid Aug

22 - 24 Sep

22 - 24 Oct

Year

Kick Off Sessions

Work Started in the model. Currently only operators.

Reference Model

Reference Model 'MVP' Completed.

GSMA and LF org frameworks in place to support community development of Global VNF Certification Lifecycle.

2nd Face to Face Session

Invite Vendors to attend/join CNTT.

Progress review.

Deep Dive on further **Reference Model Development**

Analyze integration requirements with OPNFV projects, processes, procedures.

Start working on Reference Architecture (OpenStack based)

OPNFV

Propose an "umbrella" OPNFV Project to TSC to build **Reference* Implementation** to work with OVP owner(s).

based on the Created Reference Architectures.

ONS Europe

CNTT Announcement & Participation

Reference Model Release 1

Reference Architecture Release 1(possibly more)

MWC LA

CNTT Announcement & Participation

"Live" April '20 = General availability OVP program for VNF Certifications**

Reference Model Enhancements

OVP Testing Contributions

Reference Architectures 2 & 3

Feedback loops operating for continuous improvement

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* Target is general availability *Iruya Release* April 2020.

** Operations and systems ready to certify - TBD

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Thank You