Common NFVI Telco Taskforce (CNTT)
NFVI Normalization &
VNF | CNF Acceleration

Michael Fix - Lead System Engineer

AT&T Network Cloud

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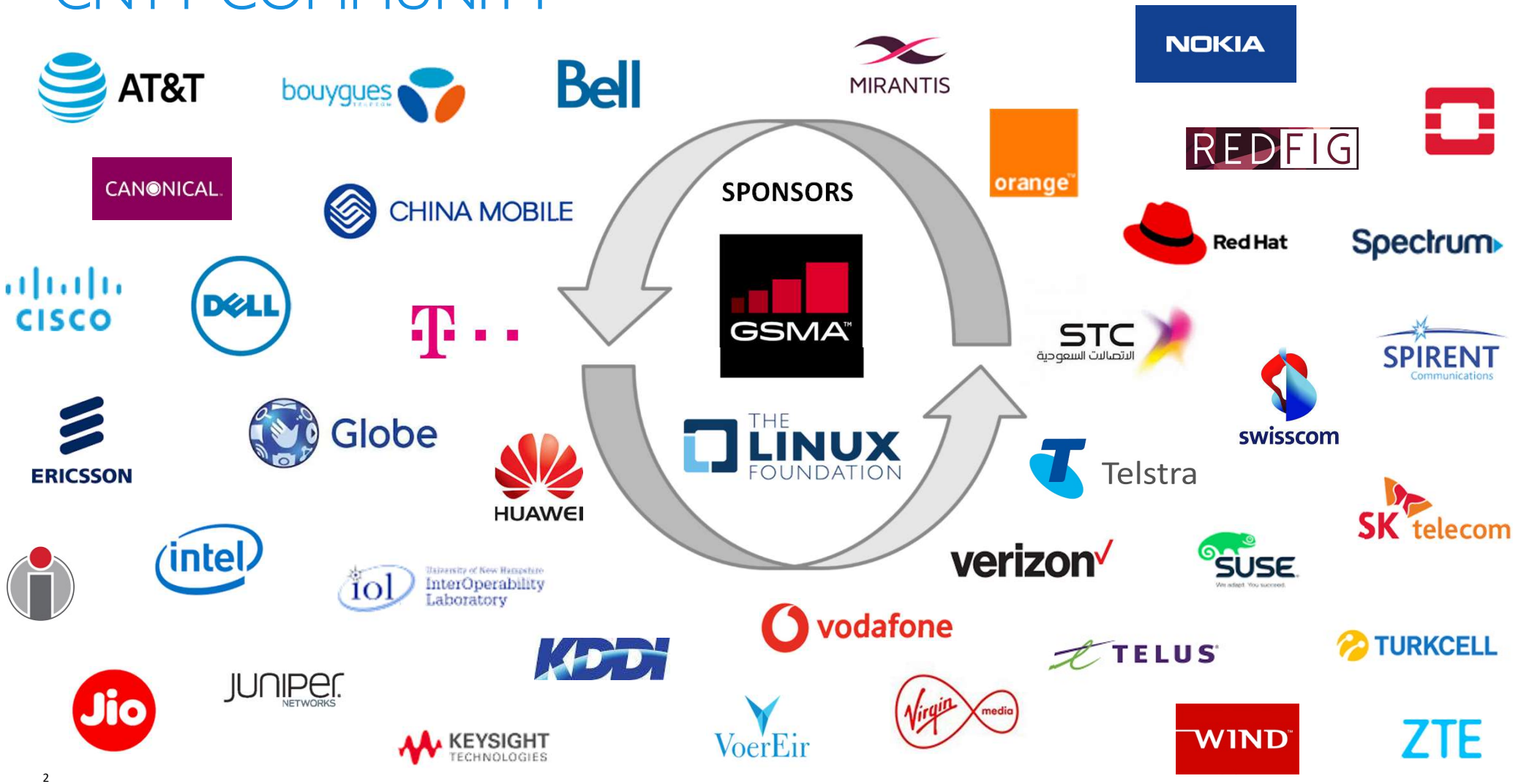
CNTT COMMUNITY



COMMON NFVI TELCO TASKFORCE (CNTT)

Global operators and suppliers are joining forces to:

Reduce fragmentation of the NFVI architectures in use by Telco's in order to accelerate innovation, time to market, & lower VNF | CNF on-boarding costs

Develop an NFVI Reference Model as a framework to enable the delivery of VNFs | CNFs for next generation cloud native services

Define a simplified & finite set NFVI Reference Architectures for VNFs | CNFs based on a common Reference Model

Establish an implementation & verification ecosystem for VNFs | CNFs as it relates to NFVI, leveraging the Linux Foundation Verification Programs

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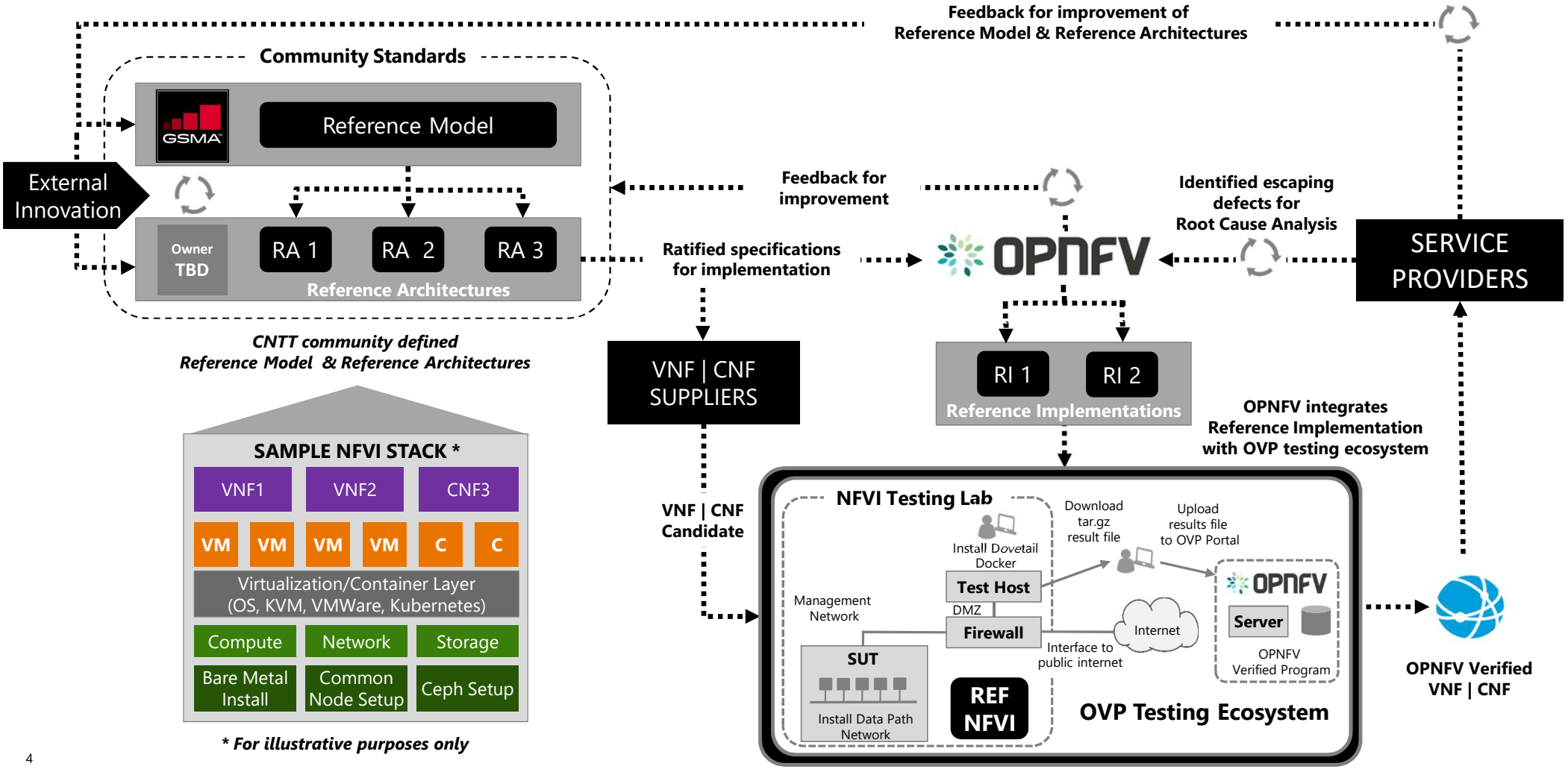
COMMON NFVI LIFECYCLE FRAMEWORK



2019 - 2020

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CNTT: 2019 Year in Review

- CNTT (Common NFVi Telco Taskforce) was formally established in April 2019
- CNTT community formally sponsored by THE LINUX FOUNDATION & GSMA in June 2019
- Reference Model v2.0 was released in September 2019
- Reference Architecture v1.0, based, was released in September 2019
- CNTT Reference Implementation & Conformance became an official OPNFV project in September 2019 - Common Infrastructure Realization & Validation (CIRV)
- Reference Implementation & Conformance workstreams commenced, initial lab secured, software deployed, & verified

Community Growth

- CNTT community membership **increased 160%** during 2019 **to 39 companies** (up from 15 in April)
- Through recruitment, **suppliers** joined the CNTT community in 2019, currently @ **19 members**
- Community growth & diversity has increased overall momentum

CNTT Outcomes

- **1646 GitHub contributions** from 37 individuals & 90 registered participants
- 300+ pages of published CNTT framework documentation created

2019 built a strong foundation for delivery of the first Reference Implementation with NFVI | VNF verification trials scheduled to begin in the spring of 2020

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VALUE STREAMS | STATUS

GLOBAL NFVI LIFECYCLE FRAMEWORK

Establish an open-sourced end-to-end ecosystem to deliver, maintain & continually improve the cloud infrastructure delivery lifecycle

Target Delivery for RA #1- 4/30/20

REFERENCE MODEL

Develop a framework to drive continuity of Reference Architectures for NFVI

RM v3.0 – Apr '20

REFERENCE ARCHITECTURES

Design number of discrete NFVI specifications based on the Reference Model

RA # 1 - (OpenStack), v2.0 – Apr '20
RA # 2 - (Containerized), v1.0 – Apr '20

REFERENCE IMPLEMENTATIONS

Implement & deploy based on the design & configurations of each Reference Architecture

RI – Alpha - v1.0 Complete – Jan '20
RI - v1.0 – Apr '20

REFERENCE CONFORMANCE

Deliver community verified NFVI | VNFs | CNFs to the Service Provider Marketplace

RI – Pre-Alpha for RA #1 – Apr '20

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2020: Key Objectives

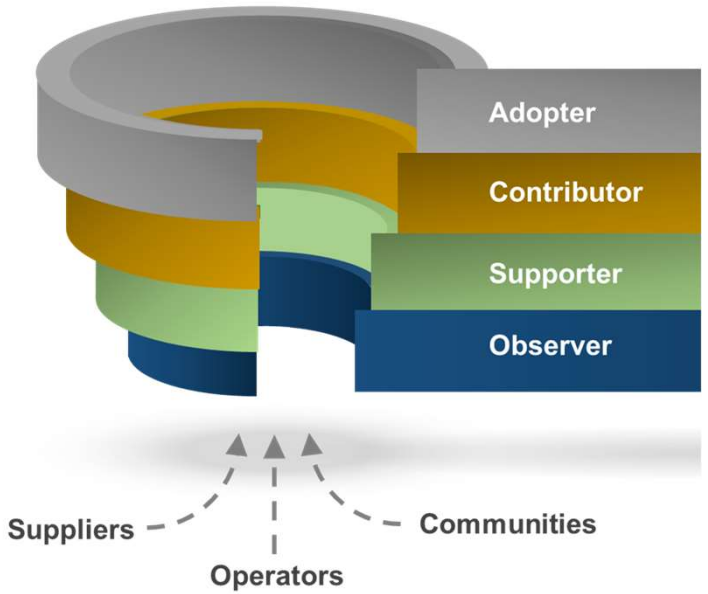
Expand base of contributors

- Convert observers & supporters into contributors
- Achieve diversification through balanced contributions from Operators & Suppliers
- Identify & recruit key industry innovators into the community
- Scale to demand through increased levels of contributions

Establish base of adopters

- Develop marketing strategy to inform CSP decision makers of the impact & benefits of adoption
- Identify initial adopters and badging for RA 1
- Build business case, based on analytics, to promote wide-scale adoption

Levels of Engagement



In order to deliver on CNTT objectives, community members need to fully engage & contribute to the work streams

Engagement includes support, contributions, adoption of artifacts, issue ownership & resolution

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2020: Key Objectives - Continued

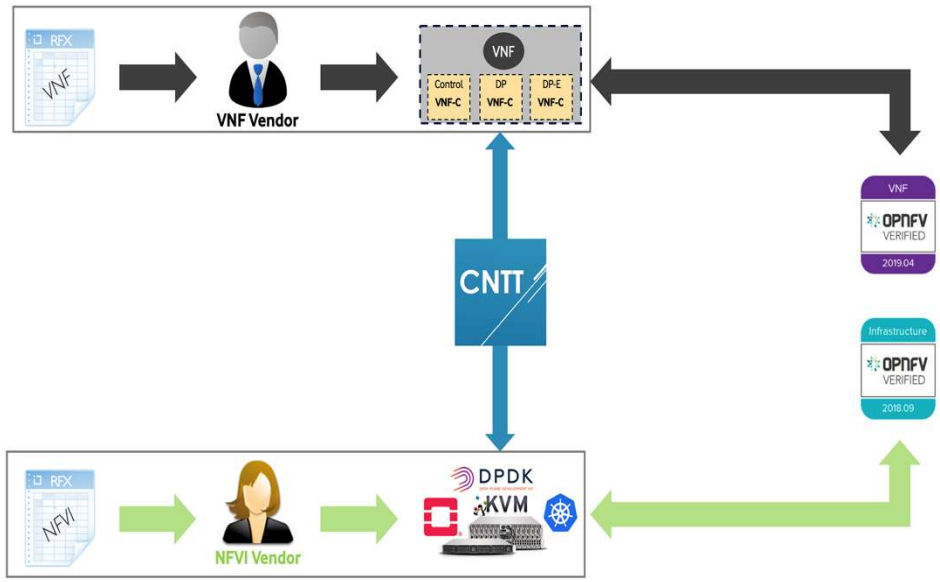
Further Industry Engagement & Collaboration

- Key players include OPNFV, CNCF, OVP, GSMA, etc.
- Align Release Cadence with industry software schedules.
- Create a clear technical transitional plan for both operators and vendors.
- Identify Gaps and work in the industry to address them.

Establish E2E Framework

- Enrich OVP Program and provide higher Bar of verification and testing.
- Support OVP Phase 2 with a clear strategy for Containers based Verification and Conformance.
- **Deliver RA-1 lifecycle framework to community.**

E-E Framework



In order to deliver on CNTT objectives, various industry communities need to fully align in objectives and approach.

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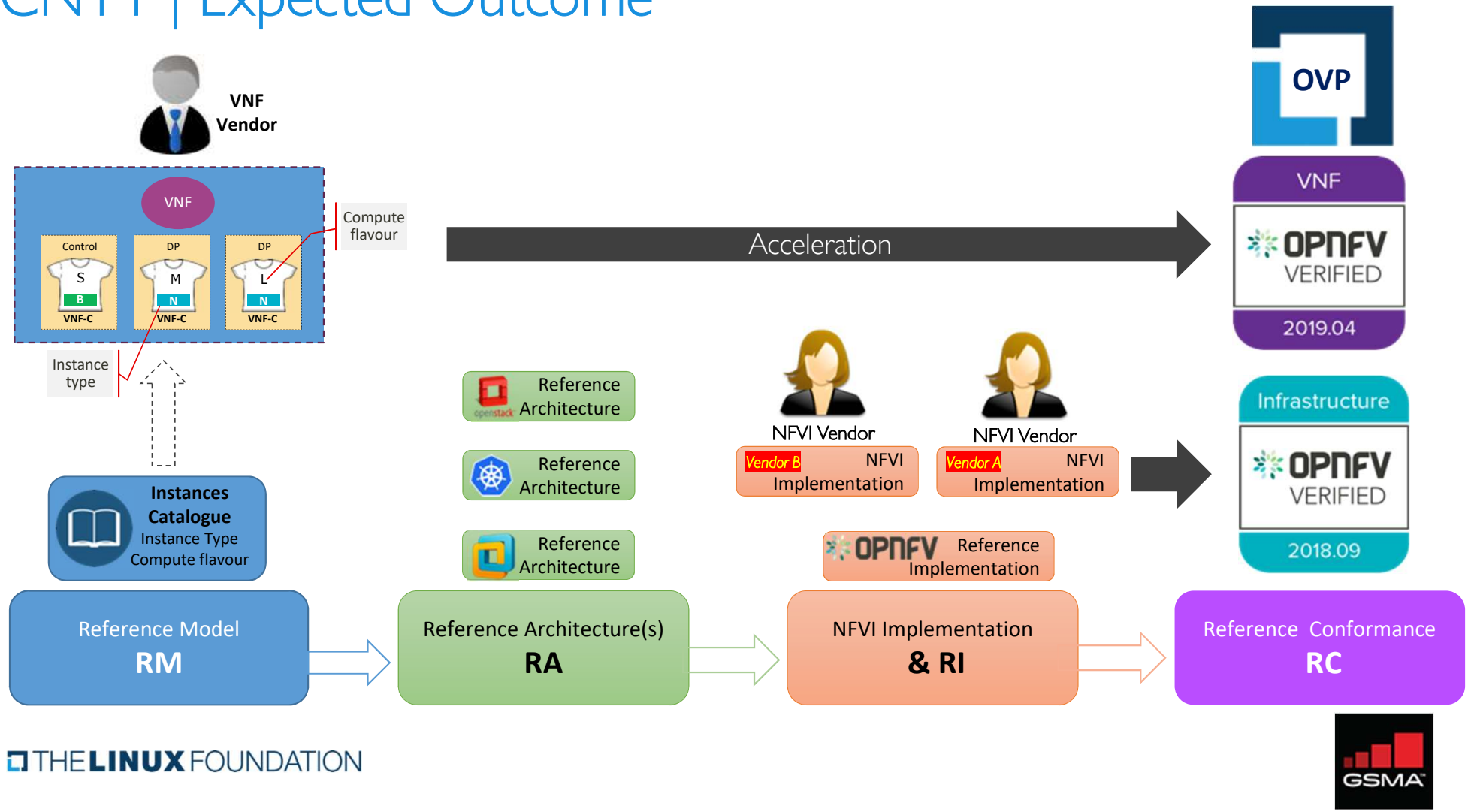
Deeper Dive Lifecycle Progress & Outcomes

CNTT | Expected Outcome



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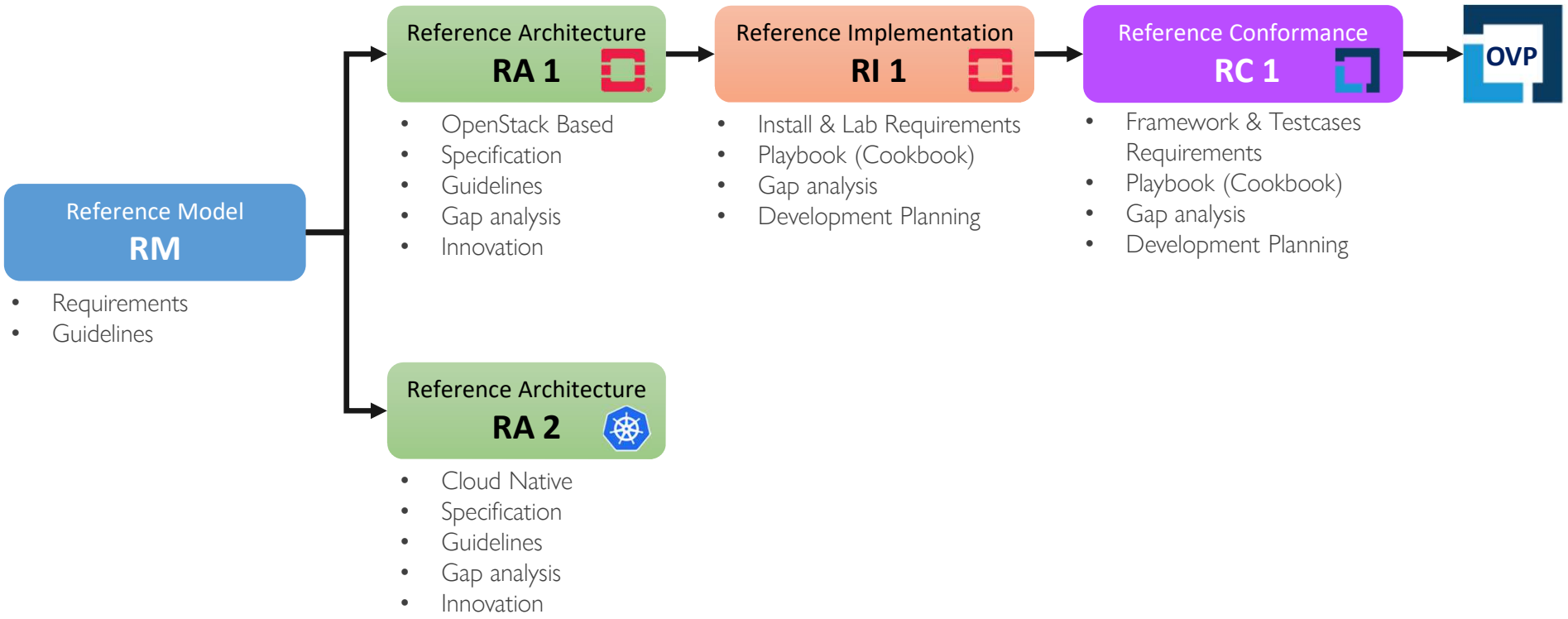
CNTT | Current Specifications



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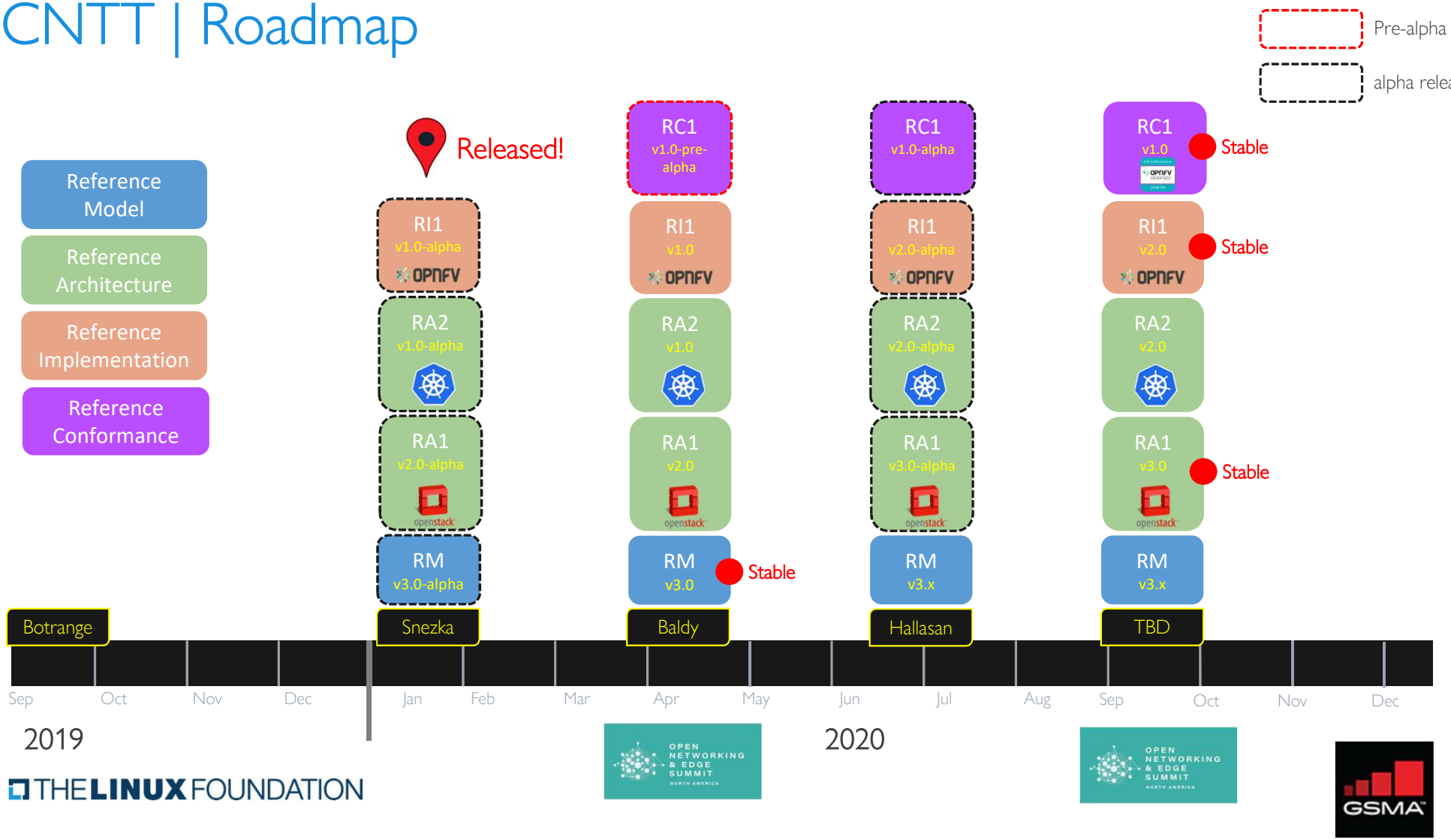
CNTT | Roadmap



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For More Information:

https://wiki.lfnetworking.org/display/LN/Common+NFVI+Telco+Task+Force+-+CNTT

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