GSMA Anti-Trust Policy Notice

- Anti-trust law prohibits (i) agreements (written or implicit) between competitors which may negatively impact consumers or competitors and (ii) sharing of confidential information
- All GSMA participants **must** abide by the following rules:
  - ✓**DO** clearly identify the positive purpose of each project and follow it
  - ✓**DO** consult with legal in areas where you are unsure
  - X**DON'T** enter into agreements that restrict other parties' actions or creates barriers to market entry
  - X**DON'T** discuss or exchange information on pricing, business plans, or any other confidential or commercially sensitive data

Linux Foundation - Anti-Trust Policy Notice

- Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

- Examples of types of actions that are prohibited at Linux Foundation meetings and in connection with Linux Foundation activities are described in the Linux Foundation Antitrust Policy available at http://www.linuxfoundation.org/antitrust-policy. If you have questions about these matters, please contact your company counsel, or if you are a member of the Linux Foundation, feel free to contact Andrew Updegrove of the firm of Gesmer Updegrove LLP, which provides legal counsel to the Linux Foundation.

Common NFVI Telco Taskforce

Governance Working Group – Weekly Call

October 3, 2019

THE LINUX FOUNDATION

GSMA

CNTT | Agenda

- Agenda Bashing
- GSMA & LFN
- Technology Update
- RI & RC Update
- Organization
  - 2020 Technical Work Shops | Speaking Engagements
  - Proposed CNTT Structure

CNTT | GSMA & LFN | Updates

GSMA

LFN

CNTT | RM Technology Update as of 2nd Oct 2019

RM Reference Model			
Workstream	Items	workload	Progress
Core	**Maintenance, Fixes and Cleanups**	4 issues	
	Roadmap Items: Native CNF Support, More Metrics, VNF Guidelines	4 issues	
Ops	**Maintenance, Fixes and Cleanups**	0 issue	
	Roadmap Items: More LCM Requirement, More Security Requirements.	2 issues	
Com	**Maintenance, Fixes and Cleanups**	6 issues	
	Roadmap Items: TBD	N issues	

Full Roadmap & Status here: https://wiki.lfnetworking.org/display/LN/CNTT+Kekes#CNTTKekes-RM

CNTT | RA Technology Update as of **2nd Oct** 2019

RA 1 OpenStack Based Reference Architecture			
Workstream	Items	workload	Progress
Core	**Maintenance, Fixes and Cleanups**	7 issues	
	Roadmap Items: High Level Arch, Next Level of Details, HW Accel for NFVI	3 issues	
Ops	**Maintenance, Fixes and Cleanups**	N issue	
	Roadmap Items: APIs and Interfaces, security, and LCM	3 issues	
Dev (Upstream)	**Maintenance, Fixes and Cleanups**	N issues	
	Roadmap Items: Gaps analysis, and upstream standard hw acceleration interfaces	2 issues	

RA 2 K8s Based Reference Architecture			
Workstream	Items	workload	Progress
Core	**Maintenance, Fixes and Cleanups**	N issues	
	Roadmap Items: Initial content for Ch01, TBD	1 issues	
Ops	**Maintenance, Fixes and Cleanups**	N issue	
	Roadmap Items: TBD	N issues	
Dev (Upstream)	**Maintenance, Fixes and Cleanups**	N issues	
	Roadmap Items: TBD	N issues	

Full Roadmap & Status here: https://wiki.lfnetworking.org/display/LN/CNTT+Kekes

CNTT | RA Technology Update as of **2nd Oct** 2019

RI 1 OPNFV Based Reference Implementation			
Workstream	Items	workload	Progress
Core	**Maintenance, Fixes and Cleanups**	N issues	
	Roadmap Items: TBD	N issues	
Ops	**Maintenance, Fixes and Cleanups**	N issue	
	Roadmap Items: TBD	N issues	

RC Reference Certification			
Workstream	Items	workload	Progress
NFVI	**Maintenance, Fixes and Cleanups**	N issues	
	Roadmap Items: TBD	N issues	
VNF	**Maintenance, Fixes and Cleanups**	N issue	
	Roadmap Items: TBD	N issues	

Full Roadmap & Status here: https://wiki.lfnetworking.org/display/LN/CNTT+Kekes

CNTT | OPNFV / OVP / CVC Testing 10/2/2019

Leader(s): Fu Qiao, Mike Fix

Contributor(s): Kyle, Rabi, Lincoln, Mark S. Murtuza K.

TC Gap Assessment

- Deep-dive of OPNFV, CVC, and OVP Process
- Initial pass assessing Key Active OPNFV Projects for CNTT alignment
- Normalize TC Review results format
- Initial Test Category/Case Review
- Antwerp: Adding Storage Test Suite from OPNFV

Partnerships & Communications

- Stakeholder Verizon as co-author of Verification Process
- Launch PR Campaign with the OPNFV TSC and CVC
- Continued CNTT>OPNFV>CVC alignment discussions
- OPNFV Proposal Review 9/9-9/16
- OPNFV TSC Project Vote 9/17

Setup Lab

- Finalize RM/RA/RI requirements
- Identify initial lab hardware needs
- Antwerp: Configure Intel Lab SUT, & Execute Sanity
- Identify and Close Gaps in TCs

Documentation

- Outline & Initial Merge Complete
- Working GitHub Issues
- Define & vet Verification Methodology
- Create Annex, Developing Content
- Finalize Ch 8 Content & Publish
- Antwerp: Start on RI Content

THE LINUX FOUNDATION

GSMA

CNTT | 2020 Technical Work Shops

Dates	Location	Related Event
January 14-16 *3 Days*	**Budapest, Hungary**	**N/A**
April 22-24 *3 Days*	**Los Angeles, California**	**Open Networking & Edge Summit North America** ***April 20-21***
Follow-Up Required **Late June | Early July**	**TBD**	**N/A**
Follow-Up Required **September 28-29** *2 Days (Mon & Tues)*	**Antwerp, Belgium**	**Open Networking & Edge Summit Europe** ***September 30 – October 1***

THE LINUX FOUNDATION

GSMA

CNTT | Remaining 2019 & 2020 Speaking Engagements

Dates	Speaker	Event
October 14-17, 2019	Rabi Abdel Beth Cohen Jim St. Leger *(Intel)*	SDN NFV WORLD CONGRESS 2019 – The Hague *PANEL DISCUSSION: The Common NFVi Task Force (CNTT)*
October 22-24, 2019	Mark Cottrell	MWC19 – Los Angeles *OPNFV & CNTT (GSMA Roundtable)*
December 10, 2019	Rabi Abdel Beth Cohen	The Great Telco Debate - London *XXX*
February 18, 2020	Mark Cottrell	IEEE Dallas CVT Chapter *The Common NFVi Task Force (CNTT)*
Follow-Up Required February 24 – 27, 2020	TBD	MWC20 – Barcelona ***Panel?***
March 31-April 3, 2020	Pierre Bichon *Juniper*	MPLS+SDN+NFVWorld - Paris *The Common NFVi Telecom Task-force (CNTT):* *Building consensus on NFV Infrastructure*
Follow-Up Required TBA	Beth Cohen	OpenStack

THE LINUX FOUNDATION

GSMA

Common NFVI Telco Taskforce

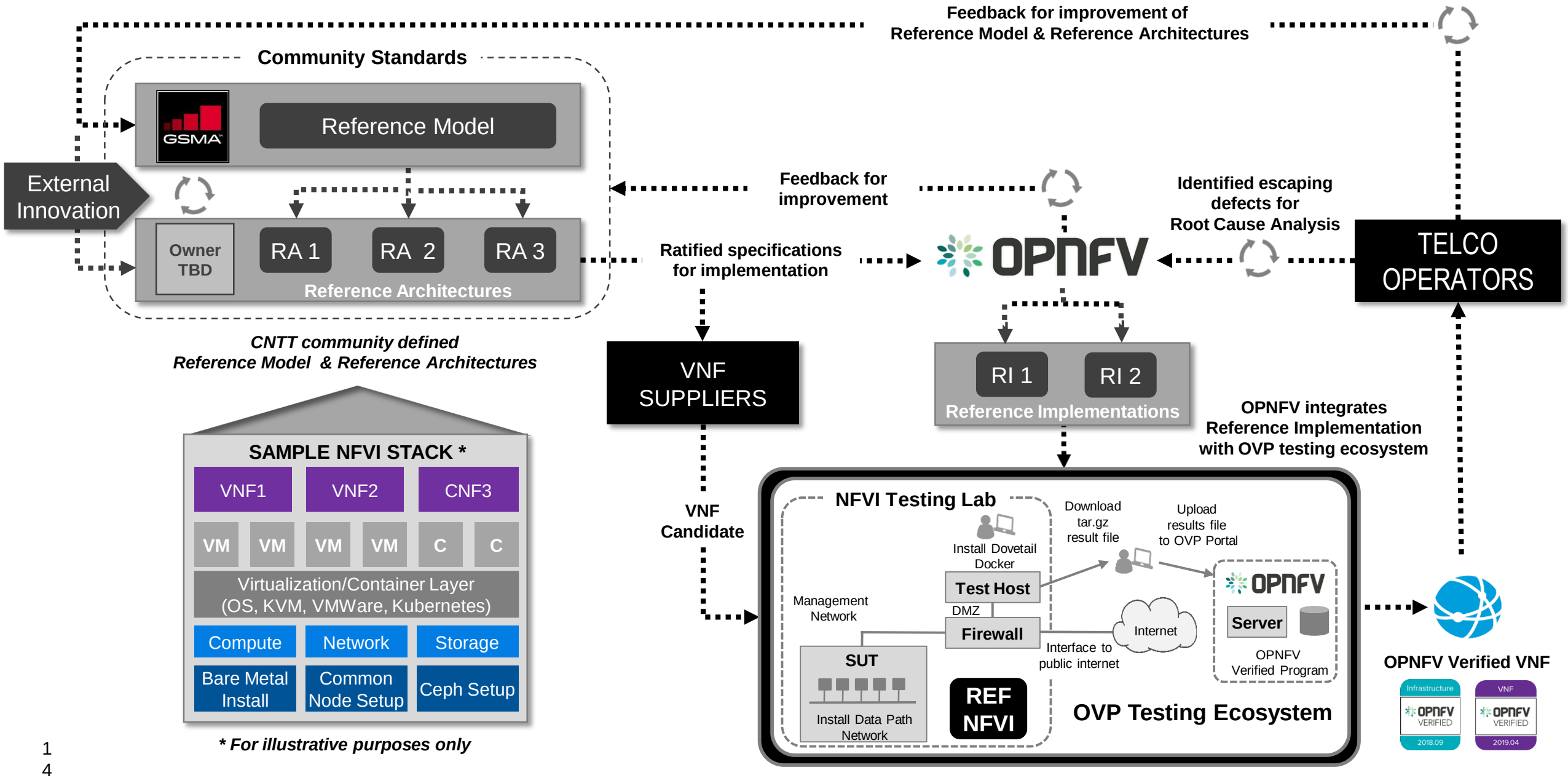
CNTT Structure

THE LINUX FOUNDATION

GSMA

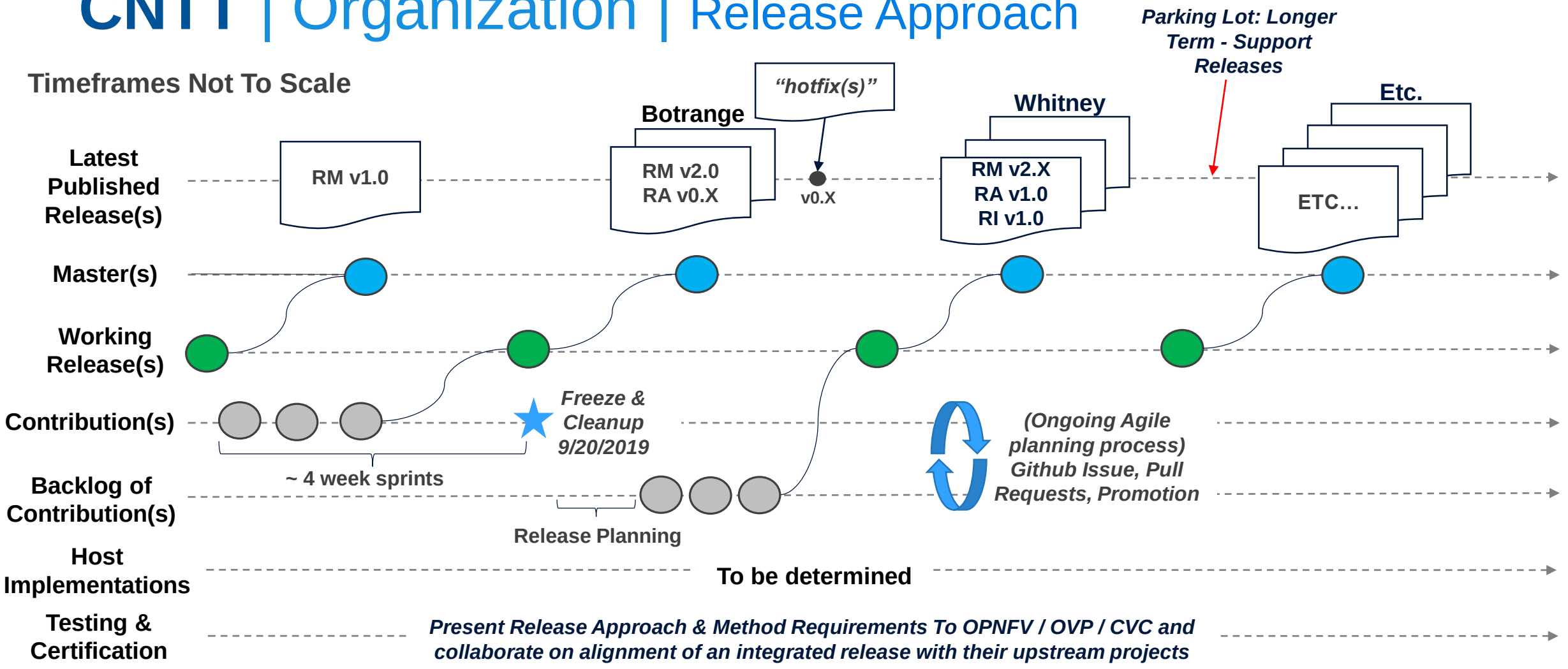
Appendix

COMMON NFVI LIFECYCLE FRAMEWORK



* For illustrative purposes only

CNTT | Organization | Release Approach



CNTT | Organization | Quick Reference Guide

Tracks | Repositories | Mailing Lists | Meeting Schedules | Contacts

Common NFVI Telco Taskforce (CNTT)

Home Page: CNTT Home

Common NFVI Meeting Schedules | Zoom Bridge | Minutes:
Common NFVI Meeting Information

Governance

Communications, Budgets, Marketing, Recruiting, Adoption, and Release Planning

Repository: Governance

Mailing List: Join Governance Mailing List

Contacts: Mark Cottrell, Beth Cohen, Jonathan Beltran, Rick Tennant

Reference Model

Framework to drive continuity of Reference Architectures for NFVI

Repository: Reference Model

Mailing List: Join Reference Model Mailing List

Mailing List: Join Technical Steering Committee Mailing List

Contacts: Rabi Abdel, Walter Kozlowski

Reference Architecture

Discrete NFVI specifications based on the Reference Model

Repository: Reference Architecture

Mailing List: Join Reference Architecture Mailing List

Contacts: Rabi Abdel, Walter Kozlowski

Reference Implementation

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

Repository: Reference Implementation

Project Proposal: CNTT RI OPNFV Project (Approved)

Mailing List: Join Reference Implementation Mailing List

Contacts: Fu Qiao, Mike Fix, Mark Shostak, Kyle Greenwell

Verification & Validation

Deliver compliant NFVI against a physical manifestation of Reference Architectures

Strategy & Vision: Reference Model Chapter 8 + Chapter 8 Annex

Mailing List: **FUTURE**

Contacts: Mike Fix, Fu Qiao, Kyle Greenwell

Common NFVI Lifecycle

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

FUTURE

THE LINUX FOUNDATION

GSMA