# 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

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# 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

August 29, 2019

# CNTT | Agenda

- **Agenda Bashing**
- **Housekeeping**
- **Technology Update**
- **Testing & Certification Update**
- **General Organization**
  - **Antwerp Planning**
  - **Release Planning**
  - **Communications**
- **Keys To Success & Engagement**
  - **Adoption** (Updates coming in a future session)
  - **Recruiting & Marketing** (Updates coming in a future session)
  - **Community Engagement** (Updates coming in a future session)
  - **Engagement and Lifecycle Management** (Updates coming in a future session)

# CNTT | Technology Update as of 28th Aug

Leader(s): Rabi Abdel (Vodafone), Walter Kozlowski (Telstra)

Contributor(s): Chapter Leads and Community Members

## Reference Model
### RM

**Latest Updates**
- 6 WIP PRs with new content.

**Next Steps**
- More PRs for new Content are planned..
- Issues will be prioritized for Antwerp.
- Release Planning is undergoing.

**Waiting for/Concerns:**
- Need more PRs to address existing issues.

## Reference Architecture
### RA

**Latest Updates**
- Principles and Requirements Agreed. (to be merged end of Week)

**Next Steps**
- Chapter 3 + Chapter 4 outlines.
- Expected to approve and merge next week.

**Waiting for/Concerns:**
- None

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# CNTT | Testing & Certification

**Leader(s):** Fu Qiao (China Mobile), Mike Fix (AT&T)

**Contributor(s):** Cédric Ollivier (Orange), Kyle A Greenwell (Verizon) , Li Ying (China Mobile), Murtuza Khan (AT&T), Mark Shostak (AT&T), Trevor Cooper (Intel), Rabi Abdel (Vodafone), William Bonnett (Verizon), Zhang Hongli (China Mobile), Zhao Qihui (China Mobile)

## Test Case 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
- ◑ PTLs provide Test Suite data
- ◔ Test Suite/Case Review

## Setup Lab & Finalize TC Assessment

- ◑ Finalize RM/RA/RI requirements
- ◔ Identify host location & eq. for lab
- ⚠ Configure SUT, & Execute Sanity
- ⚠ Identify and Close Gaps in TCs

## Formalize Communication

- ◔ Started internal CNTT>OPNFV>CVC alignment discussions
- ◔ Review & Submit Project Proposal
- ⚠ OPNFV TSC Project Vote/Approval

## Chapter 8 Documentation

- ✅ Ch 8 contributors logistics resolved
- ◔ Draft Outline
- ◑ Define & vet Verification Methodology
- ◑ Developing Content
- ⚠ Finalize Content & Publish

⚠ Not Started    ✅ Complete

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# OPNFV CNTT-RI Project Propo...

https://wiki.opnfv.org/display/PROJ/Project+Proposal...

**Leader(s):** Fu Qiao (China Mobile), Mike Fix (AT&T)

**Contributor(s):** Cédric Ollivier (Orange), Kyle A Greenwell (Verizon) , Li Ying (China Mobile), Murtuza Khan (AT&T), Mark Shostak (AT&T), Trevor Cooper (Intel), Rabi Abdel (Vodafone), William Bonnett (Verizon), Zhang Hongli (China Mobile), Zhao Qihui (China Mobile)

**Goal:** Landing place for CNTT's work in OPNFV; Triggering the following progress within OPNFV
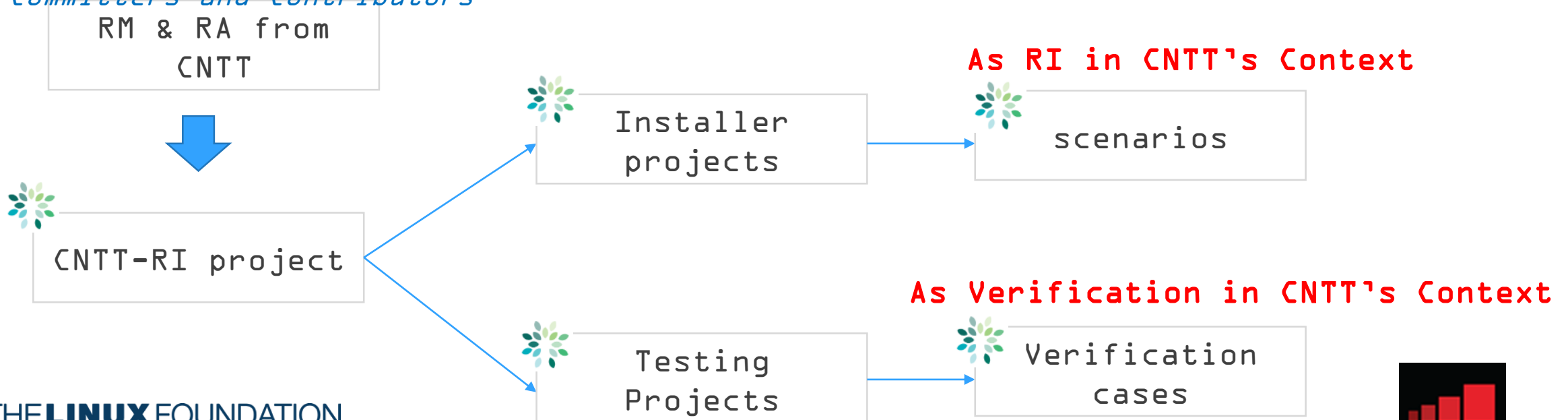
*Items under discussion*

- *Comments about project description and scope*
- *PTL election*
- *Committers and Contributors*

*Time Line*

- *8/29, feedback due 9/8 - CNTT Gov Review*
- *9/9, feedback due 9/16 - OPNFV Community Review*
- *9/17 - OPNFV TSC Vote/Approval*

RM & RA from CNTT

CNTT-RI project

Installer projects → scenarios

**As RI in CNTT's Context**

Testing Projects → Verification cases

**As Verification in CNTT's Context**

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# OPNFV CNTT-RI Project Proposal

https://wiki.opnfv.org/display/PROJ/Project+Proposal

**Leader(s):** Fu Qiao (China Mobile), Mike Fix (AT&T)

**Contributor(s):** Cédric Ollivier (Orange), Kyle A Greenwell (Verizon) , Li Ying (China Mobile), Murtuza Khan (AT&T), Mark Shostak (AT&T), Trevor Cooper (Intel), Rabi Abdel (Vodafone), William Bonnett (Verizon), Zhang Hongli (China Mobile), Zhao Qihui (China Mobile)

RI for CNTT
Proposal

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# CNTT | Organization | Antwerp Planning
## CNTT F2F Workshop # 3: High Level Agenda

**Leader(s):** Mark Cottrell (AT&T), Rabi, Abdel (Vodafone), Beth Cohen (Verizon),

**Contributor(s):** Jonathan Beltran (AT&T), Rick Tennant (AT&T), Jim Baker (LFN), Walter Kozlowski (Telstra)

- 🟡 General Session
- 🔵 Breakout Session

| | TOPICS | DURATION | LEADER(S) |
|---|---|---|---|
| 🟡 | Opening \| Level Setting \| Goals | 0.5 Hour | TBD |
| 🟡 | Reference Model | | TBD |
| |     Botrange – Current Status & Lessons Learned | 0.5 Hours | |
| |     Release 2.1 – Beyond Botrange (issues & what to work on) | 3.0 Hours | |
| 🟡 | Reference Architecture | | TBD |
| |     Botrange OS1.0– Current and Future | 0.5 Hours | |
| |     OS1.1 – Beyond Botrange (issues & what to work on) | 2.0 Hours | |
| 🔵 | Reference Architecture # 2 (Title TBD – discussion 9/5) | 2.0 Hours | TBD |
| 🔵 | Reference Architecture # 3 (Title TBD – discussion 9/5) | | TBD |
| 🟡 | Release Planning & Management | 0.5 Hour | TBD |
| 🔵 | Reference Implementation | 2.0 Hours | TBD |
| 🔵 | Testing & Certification | | TBD |
| 🟡 | Recruiting \| Community Engagement \| Adoption \| Marketing (Panel) | 1.0 Hour | TBD |
| 🟡 | Closure \| Progress Assessment \| Next Steps | 1.0 Hour | TBD |

**Day 1** / **Day 2**

**Total Allocation = 16 Hours (includes 3 hours for Breaks / Lunch)**

# CNTT | Antwerp | Planning
## Face To Face

**Leader(s):** Mark Cottrell (AT&T), Rabi, Abdel (Vodafone), Beth Cohen (Verizon),

**Contributor(s):** Jonathan Beltran (AT&T), Rick Tennant (AT&T), Jim Baker (LFN), Walter Kozlowski (Telstra)

### EVENT MGMT. & COMMUNICATIONS

- ✅ Announcement
- ✅ Registration
- Legal | Contractual
- ◑ Event Detail | WIKI

### EVENT PLANNING

- ◑ Event Topics & Durations
  - ! Presentations
  - ! Discussion Panels
- ◑ Speaker(s)
- ◑ Build & Maintain Agenda

### LOGISTICS

- ✅ Reserve Room(s)
- ◑ Room Layout
- ◑ Podium
- ◑ A/V (including microphones)
- ! Zoom, Etherpad Setup
- ◑ Coffee Service
- ! Power to seating areas

### ! PRE-EVENT

- Presentations Submitted
- A/V Certification
- Dry Run

### ! EVENT FACILITATION

- Host(s)
- Facilitator(s)
- Event Manager
- Note Takers
- Mic Runners

### ! POST EVENT

- Collect Etherpad Notes
- Organize for Follow-up

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! Not Started  ◑ In-Progress  ✅ Complete

# CNTT | Organization | Delivery & Release Planning
## Analysis

Leader(s): Jim Baker (LFN), Jonathan Beltran (AT&T), Rick Tennant (AT&T)

Contributor(s): Rabi Abdel (Vodafone), Mark Cottrell (AT&T), Rajesh Rajamani (Spirent), TBD

**Key Findings**

- OPNFV (OVP & CVC) release processes to not designed properly for an operator/partner 'product' release cadence
- Must have OPNFV alignment
- Should have ONAP and ETSI NFV alignment
- Keep OpenStack, media, etc. informed

**Recommendations / Next Steps**

- Follow up on GSMA capabilities (w/Michele Zarri)
- Gap Analysis (CNTT, OPNFV, up/down stream dependencies)
- Design Integrated Flow MVP
  - 3 month major release cadence
  - 4 week sprint cycles
  - Includes 'maintenance support' approach
- Present as 'requirements' to OPNFV
- Build CNTT/GSMA (non-OPNFV) operations

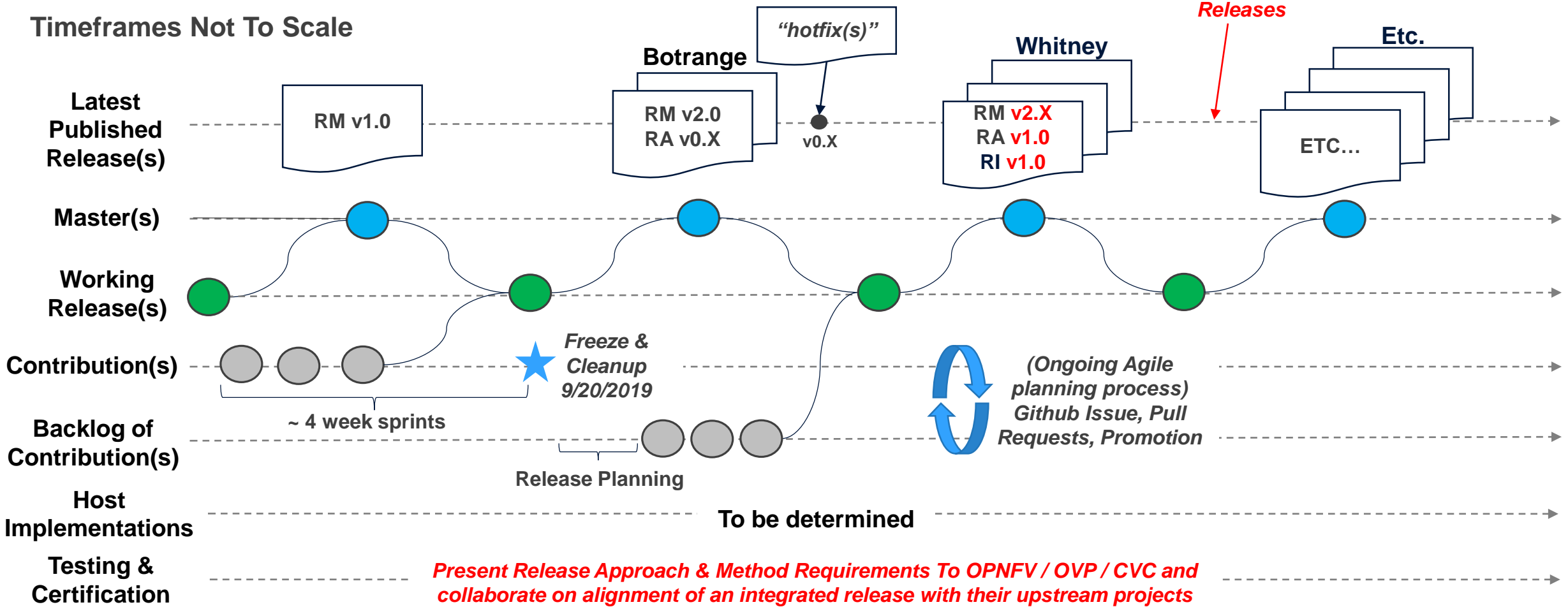**Reference Model - Chapter 10 Content**

- Document Management
  - Publishing History, authoritative approvals-- e.g. GSMA, Changes to date, repository, etc.
- Backlog
  - In-flight (Pending Issues, Pull Requests)
  - Next Release
- Roadmap
- Release Management (HL Approach / Methods / Flow / Naming / Etc.)
- Dependencies between chapters, between CNTT, with community

**Metrics *'North Star'***

- **An information base that allows for estimation of X# of engineering days to code for NFVI Certification**

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# CNTT | Organization | Release Approach

**Timeframes Not To Scale**

*Parking Lot: Longer Term - Support Releases*

**Etc.**

**Whitney**

**Botrange**

*"hotfix(s)"*

**Latest Published Release(s)**

RM v1.0

RM v2.0
RA v0.X

v0.X

RM v2.X
RA v1.0
RI v1.0

ETC…

**Master(s)**

**Working Release(s)**

**Contribution(s)**

Freeze & Cleanup 9/20/2019

~ 4 week sprints

**Backlog of Contribution(s)**

Release Planning

*(Ongoing Agile planning process) Github Issue, Pull Requests, Promotion*

**Host Implementations**

**To be determined**

**Testing & Certification**

*Present Release Approach & Method Requirements To OPNFV / OVP / CVC and collaborate on alignment of an integrated release with their upstream projects*

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**ONS EU, Antwerp 9/23-25/2019**

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# CNTT | Communications | Zoom Ids

## Zoom Access For Chapter Working Groups

**Admin access will be provided.**

**Meeting schedule cannot overlap if using CNTT account.**

**If overlaps with existing Zoom meeting, then a different Zoom account access will be issued.**

**Contact for Zoom admin access:** Jim Baker

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# Appendix

# CNTT | Housekeeping | Call Logistics

Leader(s): Jim Baker, Jonathan Beltran, Rick Tennant

Contributor(s): XXX

## Weekly Calls and Meeting Minute Links

| Date/Time | Working Group | Purpose | Target, Audience, Messages | Online Bridge | Meeting Minutes |
|---|---|---|---|---|---|
| Tue/12pm UTC | CNTT 'RA Master' Progress | CNTT Reference Architecture development | RA contributors, technology SMEs, define and refine architectures. | New Zoom link | See New LFN CNTT RA Wiki |
| Wed/11am UTC | CNTT Technical Steering Meeting | Steering of CNTT technology | Chapter Leads, decision making to ensure technology component delivery. | New Zoom link | See New Technical Steering Wiki |
| Thu/12pm UTC | CNTT Governance | Initiative strategic steering and governance. | CNTT Governance Leads, decision making to ensure non-technical component delivery. | New Zoom link | See New LFN CNTT Gov Wiki |
| Thu/11am UTC | CNTT Reference Model Progress | Focus on Taskforce initiatives: Reference Models & Architectures | RM contributors, technology SMEs, define and refine model | New Zoom link | See New LFN CNTT RM Wiki |
| Various | RM & RA Chapter Meetings | Develop chapters in RM & RA specifications | RA & RM Chapter leads, contributors, technology SMEs, deep dive define and refine specifications. | Github link | Chapter Leads should request Zoom access from Jim Baker |

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CNTT Governance Wiki

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# CNTT | Organization | Communications

## CNTT Tools

Leader(s): Jim Baker, Jonathan Beltran, Rick Tennant

Contributor(s): XXX

### lfnetworking.org

**Governance**

1. Wiki – non-testing and certification related info mgmn't, incl. meeting minutes

2. Jira project - non-technical/implementation initiative related task mgmn't

### github.com

**Technology**

3. Git - RM and RA documentation and issue mgmn't

### opnfv.org

**Implementation**

4. Wiki – testing and certification related info mgmn't, incl. meeting minutes

5. Jira project – testing and certification related task mgmn't

### groups.io

**Email & Calendaring**

6. Groups & Email lists – Reference Model, Reference Architecture, Governance

7. Calendars – standing meeting calendar integrated with email lists 'groups'

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# CNTT | NFVI & VNF Certification Lifecycle Framework