

# 2020-09-09 - [CNTT - RM Workstream Master] Agenda and Meeting Minutes

## Attendees:

Please add your name in here:

- [Walter Kozlowski](#) (Telstra)
- [Tomas Fredberg](#) (Ericsson)
- [Tom Van Pelt](#) (GSMA)
- [Suresh Krishnan](#) (Kaloomb)
- [Per Andersson](#) (Kaloomb)
- [Karine Sevilla](#) (Orange)
- [Pankaj Goyal](#) (AT&T)
- [Sukhdev Kapur](#) (Juniper)
- [Ulrich Kleber](#) (Huawei)
- [Herbert Damker](#) (DT)
- [Ahmed El Sawaf](#) (stc)
- [R.Prakash](#) (Dell)
- [Petar Torre](#) (Intel)
- Zlatko Dukic (DT, Guest, [Zlatko.Dukic@telekom.de](mailto:Zlatko.Dukic@telekom.de))
- [Saad Ullah Sheikh](#) (STC)

## Special Notes:

- **Weekly RM meetings are intended to**
  - Plan RM and Network related work
  - Identify owners for new Issues/PRs
  - Track open Issues/PRs
  - Address technical issues that cannot be resolved online (i.e. resolve stalls)

## Agenda:

- [Linux Foundation Anti-Trust Policy Not](#)
- [GSMA Anti-Trust Policy Notice](#)
- Recording Policies:
  - <https://zoom.us/rec/play/uMAuluyogG43EtWS4QSDAf4oW9XsKP2s1CQW-fYNzXu3VSiGN1L3Z7YSNOX-H7MYUyogBuINABOVavXq?autoplay=true&startTime=1589371628000>
- Meeting Recording:
- Meeting Recording:
  - [https://zoom.us/rec/share/shFJFmAez1rFyH5jrYuR4-XSNjcyErd-Dv-V9e6fSB7ws7fSUcq4dPQ-23D\\_HzTA.aMSnn2VKgMi3KEEQ](https://zoom.us/rec/share/shFJFmAez1rFyH5jrYuR4-XSNjcyErd-Dv-V9e6fSB7ws7fSUcq4dPQ-23D_HzTA.aMSnn2VKgMi3KEEQ)
- Agenda bashing
  - 13 - 15 October 2020 LFN virtual F2F meetings. Topics to be submitted before September 25th at [2020 October Virtual Technical Event Topic Proposals#2020OctoberVirtualTechnicalEventTopicProposals-OPNFV/CNTTTopics](#)
    - Proposed: what are RM topics in the next release? Proposals and discussions.
    - Proposed: Networking in view if evolved RM (in the container context)
    - Proposed: service mesh
    - **Please start forming teams and adding topic to [2020 October Virtual Technical Event Topic Proposals#2020OctoberVirtualTechnicalEventTopicProposals-OPNFV/CNTTTopics](#)**
- Agenda
  1. Baraque:
    - Status update and readiness plan for Baraque release
    - Plan for handover to GSMA
  2. Telemetry requirements and guidelines for VNF/NFVI (added by Sukhdev)
- CNTT Marketing is asking us for some talking points about Reference Model in the Baraque release, which they need to promote this release. I gave him some points (see below).
  - *In Baraque release we focus on making RM technology agnostic to cover both VM-based virtualisation as well as containerisation of network functions.*
  - *We augmented the model to allow co-existence of different Cloud Infrastructure deployments in line with the evolving technology.*
  - *To enable the co-existence, a new important element was added to RM: Hardware Infrastructure Manager (HIM) which can allow different virtual infrastructure implementations simultaneously using the same share hardware infrastructure. CNTT started a collaboration with ODIM on the definition of HIM (possibly using RedFish).*
  - *We expanded network and storage discussion within RM, clarifying distinction between the virtual and hardware layers within networking and storage.*
  - *Baraque version of RM will be handed over to GSMA Networking Group (NG), where it is planned to be published as a GSMA NG PRD (Permanent Reference Document).*

- The on-going maintenance of this PRD and hence the collaboration with the CNTT RM will be a responsibility of a newly formed subgroup under GSMA NG called OITF (Open Infrastructure Task Force). In the course of this collaboration, several CNTT RM contributors registered as the members of OITF.
  - Please feel free to add your views here:
    - TBD
    - TBD
- Post Baraque:
  - Status of LCM sections review/cleanup
    - Need to add specific requirements for Assurance in a table format, Sec 9.3 - need to create a separate issue and PRs, most likely post Baraque/handover
  - Discussion point: how much of "Virtual network specifications" we need to add to RM, after Baraque
  - Addressing gaps - post Baraque

Chapter.Section	Content	Status/Issues	Owner	Comments
Chapter 0	<a href="https://github.com/cntt-n/CNTT/tree/master/doc/common">https://github.com/cntt-n/CNTT/tree/master/doc/common</a>	Merged /Closed		
Chapter 1	<a href="https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter01.md">https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter01.md</a>	Merged /Closed		
Chapter 2	<a href="https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter02.md">https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter02.md</a>	Merged /Closed		
Chapter 3	<a href="https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter03.md">https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter03.md</a>	Merged /Closed		
Chapter 4.1, 4.2	Address issues	Merged /Closed		
Chapter 4.3	Network, new content (done)	Merged /Closed		
Chapter 5.1, 5.2 (software)	Address issues	Merged /Closed		
Chapter 5.3, 5.4 (Hardware)	Address issues	Merged /Closed		
Chapter 6	Address issues	Merged /Closed		
Chapter 7 Security	Rewrite, address issue. <a href="#">7.9, 7.10, 7.11 need to be reviewed in detail by a security expert; Amy Zwarico assisting (working with Pankaj Goyal )</a>	GSMA feedback  Issues: 1754, 1755,	Karine	Restructuring 7.4.1.2 and 7.4.2: issue#1981 PR#1983  GSMA feedback is addressed
Chapter 8 Conformance, Verification, and Certification	<a href="https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter08.md">https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter08.md</a>	Merged /Closed		Merged into master  Future updates via separate PRs
Chapter 9 LCM	Address issues	GSMA feedback /addressed		Contents complete for Baraque. This topic will need more reviews and updates for the next releases.
Chapter 10.3.1 Discovery	New content	Merged /Closed		
Chapter 10.3.2 Load balancing	New content	Merged /Closed		
Chapter 10.3.3 Service Function Chain	New content	Merged /Closed		
Chapter 10.3.4 Packet acceleration	New content	Merged /Closed		<a href="#">Issue #1861 from Pankaj Goyal</a> to be resolved with <a href="#">Surish Krishnan</a>

Chapter 10.3.5	New content	Merged /Closed		
Appendix A	Address issues	Merged /Closed		
Overall editing	Address issues	GSMA feedback Other spotted editing issues	Walter	
Overall topics for Baraque (per Rabi's plan)				
Networking Modelling	Review RM and add/update content		Thomas	
Networking & Storage Characterization	Review RM and add/update content		Karine Petar	
Full Containerization support	Review RM and add/update content		Walter	
HW Acceleration support	Review RM and add/update content		Ahmed	
Edge	Review RM and add/update content		Ahmed	

## Actions:

- Zlatko and Sukhdev to start discussion on observability, based on DT/Juniper contribution

## Minutes: