Baraque Release Highlights

1. General
   a. Security
      i. RM Ch 07: Defined composite set of security requirements (link)
      ii. RA-1 Ch 02/06 (link) and RA-2 Ch 02/05 (link): Defined how to meet these security requirements in RM Ch 07

2. RM
   a. Scope
      i. Clear definition of CNTT scope
      ii. Functional capabilities of the cloud infrastructure and the infrastructure management
      iii. Functional interfaces between infrastructure and infrastructure management
      iv. Link: https://github.com/cntt-n/CNTT/blob/master/doc/common/chapter00.md#functional-scope
   b. Modeling
      i. Complete revamped content to abstract infrastructure support for virtual and containerized workloads.
      ii. New section on sample model realization: https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter03.md#37-sample-reference-model-realization
      iii. Section Link: https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter03.md
   c. Misc (to be categorized)
      i. Technology agnostic to cover both VM-based virtualization as well as containerization of network functions.
      ii. Enable co-existence of different Cloud Infrastructure deployments in line with the evolving technology.
      iii. 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 shared hardware infrastructure.
      iv. CNTT started a collaboration with ODIM on the definition of HIM (possibly using RedFish)
      v. Expanded network and storage discussion, clarifying distinction between the virtual and hardware layers within networking and storage.
      vi. RM (Baraque version) will be handed over to GSMA Networking Group (NG), where it is planned to be published as a GSMA NG PRD (Permanent Reference Document).
      vii. 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).

3. Edge Computing and Networking
   a. Started to define the requirements for multiple edge architecture based on Openstack, to be added into the RA01 documentation
   b. Define some capabilities that fit Edge use cases like FPGA for OpenRAN "https://github.com/cntt-n/CNTT/blob/master/doc/ref_model/chapters/chapter04.md#425-cloud-infrastructure-profile-capabilities-mapping"
   c. Worked on the issue for how to incorporate proprietary hardware needed for Edge deployments that needs to be resolved.
   d. Started collaboration efforts with other Edge communities including, Akraino, OpenStack Edge WG, KubeEdge and GSMA Edge

4. RA-1
   a. Upgrade documentation in support of OpenStack Train release
      i. See chapters 3, 4 and 5
   b. Align Networking sections with RM Network modeling changes

5. RI-1
   a. TBD + Link

6. RC-1
   a. TBD + Link

7. RA-2
   a. RA2 Requirements are relatively stable
   b. RA2 Specification is now in a state where it can be used by RI/RC/VI

8. RI-2
   a. Initial release of RI2 launched with introduction, lab requirements and operational runbook
      i. See chapters 1, 3 and 4
   b. Kuberef project has launched within OCPNFV to manage integrations into OCPNFV labs

9. RC-2
   a. A common Reference Conformance (RC) Test Case Integration was defined https://cntt-n.github.io/CNTT/doc/ref_cert/ and an introduction was written https://cntt-n.github.io/CNTT/doc/ref_cert/RC2/chapters/chapter01.html
   b. The first Kubernetes test cases have been integrated https://cntt-n.github.io/CNTT/doc/ref_cert/RC2/chapters/chapter03.html and a cookbook has been defined https://cntt-n.github.io/CNTT/doc/ref_cert/RC2/chapters/chapter04.html