ONAP R8 Modeling High Level Requirements

According to ONAP R8 Release requirement input **LINK**

Reporting on the R8 release to the TSC will begin nnn**, so the deadline for the input of high level requirement will be M0: DATE 2020.**

Prioritize & Finalize:

before **M1**: **DATE 2020 ,** the requirement will be finalized.

There are other 5 categories of high level requirement,

- 1) Will be implemented in R8 by code commitment to different impacted projects/components.
- 2) Will document only for the R8 release.
- 3) Documentation after implemented in prior release
- 4) Lower Priority
- 5) Experimental

The first category is that those requirement will be documented only in R8 release

the second category will document the current implementation in those projects.

Other two categories like lower priority and experimental will not be included in the release 3, the contributor will work with best effort to influence future release.

Owners of each requirement needs to coordinate the modeling spec commitment and code commitment with PTLs of impacted project.

Below High Level Requirements have been agreed by modeling subcommitee with code commitment promise to Honolulu release, modeling subcommittee request related to projects to approve those related submission.

Category 1) will be implemented in the R8 release

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	Provider Priority	Mapping to M1 requirement
A&AI Schema DM	Place Model	Uses the Place Information Model to associate instance of it to PNF in AAI	SO (AssignpnfBB)	R8 PNF Plug and Play Use Case	Benjamin Cheung	Damian Nowak		~~REQ-430~~ - PNF Plug & Play in R8 DONE This is the REQ Jira for the R8 PNF Plug and Play Use Case. R8-PnP_IPv4v6_CMPv2_StndDefVES-202010Oc12.pdf
Resource IM /DM	ETSI VNF Model	Support mapping of ETSI NFV SOL001 v3.3.1 VNF Descriptor + CNF enhancements from IFA011 v4. 1.1 into AID DM	SDC, SO	R8 ETSI Alignment ~~REQ-400~~ - ETSI-Alignment Requirements for the Honolulu release DONE	Fernando Oliveira	Byung-Woo Jun		~~ONAPMODEL-33~~ - Modeling enhancements for ETSI Alignment in Honolulu release CLOSED
Service IM/DM	E2E Network Slicing – Enhanced solution of 3 domain network combination	1. Enhanced EP design 2. TN Modeling to support NSSI reusing, isolation level and etc. 3. Profile updates to support R8 close-loop requirements	OOF, SO, AAI, SDN-C	R8 E2E Network Slicing use case ~~REQ-440~~ - E2E Network Slicing use case requirements for Honolulu release DONE	Chuyi Guo Borislav Glozman Henry Yu Fei Zhang	Swaminathan Seetharaman @LIN MENG		~~ONAPMODEL-32~~ - Modeling enhancements for E2E Network Slicing in Honolulu release CLOSED

Service IM	Configuration Persistence Service (CPS) Model	Modeling work for CPS	Modeling	Configuration Persistence Service (CPS) for R8 Honolulu	Jacqueline Beaulac	Toine Siebelink (may have S/W impact / implementation - may move to Category 1)		~~REQ-427~~ - Configuration Persistence Service in R8 DONE Overview Slides: ConfigurationPersistenceSvcDDF_202010Oc15v12.pdf Potential Impacts to SDC and affects associated Use cases that use CPS such as E2E Network Slicing and OOF SON use cases. ▪ UML modeling for interface to represent information elements provided on the CPS APIs (Toine Siebelink)
Resource IM /DM	Update Slicing Model for ANFD	modeling work for ANFD related	Modeling	R8 E2E Network Slicing use case	Fei Zhang	Fei Zhang		~~REQ-440~~ - E2E Network Slicing use case requirements for Honolulu release DONE Related discussion Allotted Resource for Network Slicing

Category 2) Will document only for the R8 release

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	Provider Priority	Mapping to M1 requirement	Owner	U C C
Service IM	5G Service Model	Modeling work for creating a 5G Service	Modeling	R8 5G Service Modeling	Benjamin Cheung	Documentation Only		~~REQ-428~~ - 5G Service Modeling in R8 - Modeling Work DONE Overview slides: R8-5GServiceCreation_2020Sp14v5.pdf	Benjamin Cheung	Be Ch Ch
Resource IM	5G Resource Model	Resource Modeling Work to support a live 5G PNF	Modeling	R8 5G Service Modeling	Benjamin Cheung	Documentation Only		~~REQ-428~~ - 5G Service Modeling in R8 - Modeling Work DONE Architecture Review completed. Meetings scheduled monthly at 5G - Use Case Realization Calls	Benjamin Cheung	Be Ch Ch
Resource IM	Model update for StndDefined VES	Update VES7.2 in Papyrus	Modeling	R8 ONAP /3GPP & O-RAN Alignment: Standard Defined VES	Benjamin Cheung	Documentation Only		~~MODELING-476~~ - Standard Defined VES 7.2 Model Update in Papyrus CLOSED	Benjamin Cheung	Ma
Resource IM	Abstract Topology Modeling	Begin development of an Abstract Topology Model	Modeling	ONAP / O-RAN Alignment	Martin Skorupski Andy Mayer	Documentation Only		ONAPMODEL-35 - ONAP internal topology model OPEN	Andy Mayer	Ma Sk

Category 3) Documentation Only after implemented in prior release

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	Provider Priority	Mapping to M1 requirement	Owner
Common	Policy model	Update policy model based on implementation of policy project			Chuyi Guo Michela Bevilacqua	Documentation Only		~~MODELING-439~~ - Policy Model CLOSED	Chuyi Guo

Below tables are not downgrade, but Guilin won't make it

Category 4) Lower Priority:

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	Provider Priority	JIRA Link	Owner

Category 5) Experimental:

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	Provider Priority	JIRA Link	Owner
IM / DM		(in R8 Istanbul release) Vertical Industry Use Case will investigate E2E NS & CPS modeling interactions		Vertical Industry Use Case		Proof of Concept in R8	PoC	~~REQ-468~~ - Support for vertical industry scenarios DONE	Cheng Huang

Requirements can be based on:

- Release / project specific needs
- Recognized 'future' needs
- Documenting existing models

Some concepts may be complex enough, if we wait for the release / project requirement, we will be too late to properly develop the concept.