

ONAP R7 Modeling High Level Requirements

According to ONAP Guilin Release requirement input [Guilin Release Requirements](#)

Reporting on the Guilin release to the TSC will begin nnn, **so the deadline for the input of high level requirement will be M0: Apr. 23rd. 2020.**

Prioritize & Finalize:

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

There are other 5 categories of high level requirement,

- 1) Will be implemented in R7 by code commitment to different impacted projects/components.
- 2) Will document only for the Guilin 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 Guilin 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 subcommittee with code commitment promise to Frankfurt release, modeling subcommittee request related to projects to approve those related submission.

Category 1) will be implemented in the Guilin release

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	End of Release Status	Mapping to M1 requirement	C
Resource IM /DM	ETSI VNF Model	Support mapping of ETSI NFV SOL001 v2.7.1 VNF Descriptor into AID DM	SDC		Fernando Oliveira Byung-Woo Jun	Byung-Woo Jun	2.7.1 IM changes were accepted and merged. Initial proposal for mapping to SDC AID DM in review. Continue to R8 with possible move to v3. 3.1 of ETSI SOL001.	 REQ-334 - ETSI-Alignment for Guilin DONE	Fer Olin yur Wo
Service IM /DM	ETSI Network Service	Support mapping of ETSI NFV SOL001 v2.7.1 Network Service Descriptor into AID DM	SDC		Fernando Oliveira Byung-Woo Jun	Byung-Woo Jun	2.7.1 IM changes were accepted and merged. Initial proposal for mapping to SDC AID DM in review. Initial support for NS and Virtual Link mapping were introduced in R7. Continue to R8 with possible move to v3. 3.1 of ETSI SOL001.	 REQ-334 - ETSI-Alignment for Guilin DONE	Fer Olin yur Wo

VES IM VES DM Spec	StdDefined VES Notification Model Update	ONAP/3GPP & O-RAN Alignment: Standards Defined Notifications over VES  MODELING-370 - Stan dards Defined Notifications over VES - Modelling Work 	DCAE VNF-REQT	ONAP/3GPP & O-RAN Alignment- Standards Defined Notifications over VES	Vimal Begwani Marge Hillis	Damian Nowak		Update this model: VES 7.1  REQ-327 - ONAP /3GPP & O-RAN Alignment- Standards Defined Notifications over VES (Guilin) 	
Service IM/DM	E2E Network Slicing Model Enhancement	Extend E2E Slicing design to support RAN, Transport and Core slice subnet	OOF, SO, AAI, SDN-C	E2E Network Slicing Use Case in R7 Guilin	Borislav Glozman Chuyi Guo Fei Zhang	Swaminathan Seetharaman LIN MENG	Done Modeling work for R7 has finished, Jira has been closed.	 REQ-342 - E2E Network Slicing requirements for Guilin release   MODELING-367 - E2E Network Slicing: Network Slicing 	Chi
Service IM/DM	Transport Slice Definition Model	Define the TN NSSI data model in AAI	OOF, SO, AAI, SDN-C	CCVPN - Transport Slicing	Henry Yu Chuyi Guo	Henry Yu LIN MENG	Done Related changes for AAI have been delivered.	 REQ-347 - CCVPN- Transport Slicing for Guilin Release   AAI-2929 - CCVPN - Transport Slicing: AAI schema for TN NSSI 	Hei
Service IM	Service Monitoring and Reporting	Define information model for External API Service Monitoring and Reporting based on TM Forum 628	Modeling ExtAPI	E2E Network Slicing	Adrian OSullivan	Priyadharshini B Swaminathan Seetharaman	Move to R8	 EXTAPI-450 - EXT- API impacts for support of TMF 628 APIs for KPI monitoring   EXTAPI-453 - E2E Network Slicing: KPI monitoring Information Modeling 	Adi OS

Category 2) Will document only for the Guilin release

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	End of Release Status	Mapping to M1 requirement	C
Service IM	5G Service Model	Modeling work for creating a 5G service  MODELING-369 - 5G Service Modeling in R7 - Modeling Work 	Modeling	R7 5G Service Modeling	Benjamin Cheung	Documentation Only	Continue to R8	 REQ-320 - 5G Service Modeling in R7 	Bei Chi
Resource IM	5G Resource Model	Resource Modeling work to support a PNF creation  MODELING-369 - 5G Service Modeling in R7 - Modeling Work 	Modeling	R7 5G Service Modeling	Benjamin Cheung	Documentation Only	Continue to R8	 REQ-320 - 5G Service Modeling in R7 	Bei Chi
Resource IM /DM	Geolocation Model	Geolocation Model (and standards harmonization)  MODELING-368 - PNF Plug & Play in R7 - Geolocation Modeling Work 	Modeling	PNF Plug and Play (PNF Support Use Case)	Benjamin Cheung Jacqueline Beaulac	Documentation Only	Completed	 REQ-318 - PNF Plug & Play in R7 	Bei Chi

Core /Resource IM	Model Driven Model introduction in relation to C&PS	Introduction of Model Driven Application Data  MODELING-382 - Model Driven Application Data - Modeling Work CLOSED	Modeling	Configuration & Persistency Service R7	Jacqueline Beaulac Michela Bevilacqua	Documentation only		 REQ-322 - Configuration & Persistency Service in R7 DONE  REQ-384 - Define and prove the concept of model driven in the context of CPS DONE	Jac Be

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	End of Release Status	Mapping to M1 requirement	Owner
Common	Policy model  MODELING-389 - Policy Model for R7 CLOSED	Update policy model based on implementation of policy project			Chuyi Guo Michela Bevilacqua	Documentation Only	Move to R8		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	End of Release Status	JIRA Link	Owner

Category 5) Experimental:

Modeling Domain	Modeling Requirement	Modeling Requirement Description	Impacted Projects	Use Case Relevance	Modeling Spec Commitment	Code Commitment	End of Release Status	JIRA Link	Owner
Resource IM /DM	Information and Data Model to support CNF	Add new information elements in the information model for MCIOp, container Descriptor, container image, ...	SDC, A&AI, SO, DCAE		Fernando Oliveira Byung-Woo Jun		Initial proposal aligned with ETSI v4.1.1 IFA011 for the changes to the resource IM are available. ETSI IFA011 v3.3.1 & v4.1.1 Changes to ONAP Resource Model . Continue to R8 with a possible PoC		Fernando Oliveira
Resource IM /DM	CNF Inventory Information Model and AAI Schema Definition	Define a logical information model supporting CNF Inventory and develop the supporting AAI Schema Definition	AAI	CNFO	Seshu Kumar Mudiganti Andy Mayer		CNF Modeling Task Force group is awaiting Use Case input to help scope the modeling. Will continue this activity in R8 release.		Seshu Kumar Mudiganti

Per discussion in Paris, 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.

