

Beijing Functional Requirements

Summary of the Teams commitments to support Beijing functional Requirement.

This is summary of outcome of [Use case Sub-Committee](#) and effort from:

- 1. [HPA](#) (main contact [Alexander Vul](#))
- 2. [Change Management](#) (Main contact [Ajay Mahimkar](#))
- 3. [Scaling](#) (main contact [Scott Blandford](#))
- 4. 5G/PNF support (main contact [Vimal Begwani](#))

 **Legend**

Yes: Committed by PTLs to Beijing Release

No: Not committed to Beijing Release

NA: Project not impacted by functional requirement, requirement not defined enough to make formal decision.

Project Name	Functional Requirements														Comments
	HPA		ChangeMngt		Scaling Auto		Scaling Manual		PNF		Network Slicing	Data Collection	Path Selection		
	M1 Commitment	M4 result	M1 Commitment	M4 result	M1 Commitment	M4 result	M1 Commitment	M4 result	M1 Commitment	M4 result					
A&AI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA	Change Mngt, Scaling: Functionality already exist in Amsterdam. New way to exercise the API. No schema change required.	
Application Authorization Framework	N/A	N/A	N/A	Yes, AAF is now ONAP Only	N/A	Yes	N/A	Yes	N/A	N/A	N/A	N/A	N/A	AAF was not managed in ONAP for Beijing. Instead, we used this time to take the major features desired from AT&T production, including Certman, OAuth2 and other elements. AAF project is now ONAP First. This means that starting with Casablanca, requirements and results now come from the community, will have M1 Commitments, etc.	
APPC	NA	NA	Yes	Yes	No	No	Yes	Yes	NA	NA	NA	NA	NA	Change Mngt: not impacted for Beijing because Use case being focuses on an L3 VNF. APPC is impacted for this change management functional requirement for L4 to L7 VNFs. APPC will support In Place software upgrade in Beijing. Scaling Auto: Lack of detailed requirements and resources.	
CLAMP	NA	NA	NA	NA	No	No	NA	NA	NA	NA	NA	NA	NA	Scaling: Dependency on Policy who has no resource to deliver in Beijing	
Common Controller SDK	NA	NA	Yes	Yes	Yes	Yes	Yes	Yes	NA		NA	NA	NA	Change Mngt: Ansible server support	
DCAE	NA	NA	NA	NA	NA	NA	NA	NA	Event for PNF discovery to be added (validate whether prov only or need dev). If dev needed and not committed then can deliver the solution without DCAE for Beijing	WIP as of 03/28 (the PNF Registration Handler, aka prh, work is in the process of being contributed. Code coverage 63%, but currently encountering problems in CLM scan reporting "CLM server error", LF helpdesk ticket #54190)	NA	NA	NA	HPA: Not priority	
DMaaP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Documentation	NA		NA		NA		NA								

External API Framework	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Initial code release
Holmes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Integration	Yes		Yes		NA		NA		Yes						
Logging Enhancements Project	NA		NA		NA		NA				NA	NA	NA		Scaling is possible via standard k8s config - but not yet tested for elasticsearch and logstash containers Network slicing has not been prototyped (independent of any k8s component - not specific to the elk stack) Data collection is possible via PVs exposed on /dockerdata-nfs share - via standard k8s volumes - but not tested Patch selection is not applicable - but needs to be verified
Microservices Bus	NA		NA		NA		NA		NA		NA	NA	NA		No modification is needed in MSB project specifically to support all these functionalities so far. If you think there are any new requirements needed, please let us know.
Modeling	Yes		NA		NA		NA		NA		NA	NA	NA		modeling project is responsible for a tool: Parser, modeling committee is responsible for modeling spec, HPA will be related parser.
Multi VIM /Cloud	Yes	Yes	NA		NA		NA		NA		NA	NA	NA		
MUSIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
ONAP CLI	NA		NA		Yes	Note1	Yes	Note1	NA	YES Note2	NA	NA	NA		Mostly HPA will be captured as part of Templates (TOSCA /HEAT). so CLI won't get opportunity to operate on HPA. But if Services provides API to handle the HPA, those can be incorporated. So after M2/M3, things will be very clear. so CLI marked HPA as NA. Note1: SO does not expose the REST API for scaling yet. so CLI is not in position to support this feature. Note2: PNF support was not initially planned during M1, but as part of M3, it got identified to support and is enabled now.
ONAP Operations Manager	NA		NA		NA		NA								
ONAP Optimization Framework	Yes	Yes	Yes	N/A Note 1	Yes	Note 2	Yes	Note 2	NA		NA	NA	NA		Note1: OOF was not required in R2 flows. Use Case proposal: ONAP Change Management Note 2: OOF dependencies had this as stretch goal. Communicated the same with use case owners, and the plan is to support in R3.
ONAP Usecase UI Project Proposal	NA		NA		N/A		Yes								
Policy Framework Project Proposal	Yes	Yes	NA		No		NA		NA		NA	NA	NA		Scaling: Resources found for vDNS, but APPC is unable to commit fully. Policy will do as much as possible in conjunction with APPC's ability.
Portal Platform Project Proposal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
SDN-C	NA	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA	NA		Change Mngt: In-place software upgrade execution using Ansible

Service Design & Creation	Yes (based on INTEL contribution)	WIP	NA		NA		Yes	YES	Yes (based on NOKIA contribution)	YES	No	No	No	Scaling Manual: no resource
Service Orchestrator	Yes	Yes Defects Fixing	Yes	Yes	Yes	NA Dropped of the scope	Yes	WIP	Yes	Yes (VCPE), needs to be stabilised. Volte - WIP	NA	NA	NA	Change Mngt: Change workflow design and execution for in-place software upgrade Note: The current commitment is based on the discussions and promises of availability of coding resources for the respective function implementation.
VFC	Yes	WIP	NA	NA	Yes (but the auto scaling process is not very clear now)	Yes	Yes	Yes	NA	NA	NA	NA	NA	scaling Auto: VF-C will provide the scaling API, but the auto-scaling process is not very clear now. For other requirements did not reach out to VF-C
VID	NA		Yes	Yes	NA		Yes	WIP	Yes	Yes	NA	NA	NA	Change Mngt: User interface for invoking software upgrade workflow Scaling Manual: no resource
VNF SDK	Yes	No	NA		NA		NA		NA		NA	NA	NA	M4: Model not published.
VNF Requirements	Yes		Yes		Yes		Yes		Yes		Still investigating	Still investigating	NA	Auto scaling and Manual Scaling covered by scaling use case component planned for Beijing. Scope of PNF work dependent on definition of PNF, VNFRQTS-160
VNF Validation (VVP)	NA		NA		NA		NA							