

Use Case Realization Call: July 29, 2020

Date

29 Jul 2020

Attendees

- Benjamin Cheung (Nokia)
- Henry Yu (CCVPN SDN-C)
- Hesam Rahimi (CCVPN SDN-C)
- Chris Rapposelli-Manzo (C&PS)
- Sandeep Shah (E2E NS)
- Dan Timoney
- Zu Qiang (Ericsson) (PNF S/W Upgr)
- Deepak Majiga (VZW)
- Junfeng Wang (C&PS, PM ctrl)
- John Keeney
- Alessandro Gerardo D'Alessandro (E2E NS 5G Core)
- x

DISCUSSION ITEMS LOG

Ctgry	Item	Who	Notes
Meeting Notes Discussion	1. SDN-C/CCSDK PTL with Use Case teams Discussion 2. x		
Use Cases	USE CASE/5G: RAN (ORAN-3GPP) Standards Harmonization with ONAP	Marge Hillis Vimal Begwani Fred Feisullin	• Orchestration at the Edge. • A1/O1/E2 communications. Edge to ENBs, Telemetry. • E2 will not have this info. O1 is I/F for PM counts. Not a management I/F. • WG3 (ORAN) is defining this. • ONAP w/ O1. Changes w/ O1 interface. • How to satisfy A1/O1 and in what time-frame. • U/C ORAN - ONAP harmonization. 3GPP ORAN ONAP. • Starting a new U/C in 5G. Marge, Vimal, Fred Feisullin • Edge inventory & topology. Transport BH consideration w/ real-time near-RT aspects • Akraio. MEC. Edge automation (Ramki). • VES Listener Review completed version 7.1.1; Add version 5.4.1. CMNotify version 7.2 https://onap.readthedocs.io/en/latest/submodules/vnfrqts/requirements.git/docs/Chapter8/ves7_1spec.html ; https://onap.readthedocs.io/en/latest/submodules/vnfrqts/requirements.git/docs/Chapter8/VES_Registration_3_2.html Use Case WIKI: MOBILITY STANDARDS HARMONIZATION WITH ONAP
Use Cases	USE CASE/5G: OOF / SON / PCI	N.K. Shankar anarayanan	PoC for December 2019? SDN-R south-bound NetConf I/F w/ model and also integration with Runtime DB work.
Use Cases	USE CASES/5G: PNF S/W Upgrade	Zu Qiang (Ericsson) yaoguang wang	R7 Support xNF Software Upgrade in association to schema updates
Use Cases	USE CASES/5G: Preonboarding /Onboarding	Benjamin Cheung Zu Qiang (Ericsson) Michela Bevilacqua	R7 PNF Pre-onboarding / (onboarding) VNF-SDK Artifact package security

Use Cases	USE CASES: Modeling gNB/5G RAN	Thinh Nguyen phu Benjamin Cheung Melanie Sater Tracy Van Brakle Martin Skorupski	Align & harmonize information models to ONAP model and ONAP internal information & data model: ETSI SOL001 ... 007 with ONAP internal Model, PNFD modeling (Model S/C), 5G Model (3GPP , RAN), ORAN (WGs, RAN), Open ROADM (reconfig optical add/drop multiplexer, Optical), ONF (Optical), ISOMII (Optical), OTCC (Optical transport config & control)
Use Cases	USE CASES: 5G NRM (Network Resource Model) Configuration	yaoguang wang	June 2019 LFN DDF, titled as '5G Provisioning management service to NRM' Presentation: 5G Network Resource Model (NRM) Configuration in R6 Frankfurt
Use Cases	USE CASES: PNF / Plug and Play	Benjamin Cheung	PNF Plug and Play R7: R7 PNF Plug and Play PnP
TSC	TSC/USE CASES: Test Automation Progress	Benjamin Cheung Alla Goldner	Use Case Test Automation Action Items: Use case subcommittee to provide current percentage of testing automation regarding your use case and functional requirements
Release Tracking	R7 Frankfurt	All Team Members	Use Case Tracking Template Need the U/C teams to fill out the Dev. Impacts. More Generalized Use Case Template (discussed w/ Model team): Use Case Tracking Template and Use Case Template
Demos Plug-fest	Demo Plugfest	Tracy Van Brakle Marci Haas Martin Skorupski	POC & Plugfest in September 2020 WINLAB? A1/O1 ORAN & ONAP Joint Plugfest Panel Discussion - Setup. Bronze Release. / Slicing, Heart Beat-Health Check
Architecture Topics	Architecture Topics	All Team Members	Architecture Component Descriptions and Architecture Flows: https://safratech.net/onapdocs/
Use Cases	Read the Docs	All members	DOCUMENTATION - Documentation (Read the Docs) - M1 - M4 READ THE DOCS: https://onap.readthedocs.io/en/latest/index.html - Navigate to > USER GUIDES > Verified USE CASES - Use Case Page: https://docs.onap.org/en/dublin/submodules/integration.git/docs/docs_usecases.html - Doc PTL Sofia Wallin - Ask Sofia to help w/ training. OPEN POINT. - Doc TEAM meets at 8AM EDT USA on Thursdays. https://zoom.us/j/907176290 "Are you referring to MS1 and the preliminary documentation?" https://wiki.onap.org/display/DW/Frankfurt+Documentation Multiple Repo / Use Cases are under Integration Repo VNFREQ has Repo / Verified U/C in Integration Repo Andreas Geissler - Discussed should put docs on the readthedocs (not in wiki) should have own Repo for Use Cases or Req sub-committee own repo
Use Cases	Req / Use Case Way of Working Process (WoW)	All members	ONAP Use Case / Requirements Teams Process Way of Working (WoW)

DCA&E Use Case Analysis

DCA&E impacts w/ use cases and requirements

R7 Release tracking PER component impact: [Guilin Impact View per Component](#)

R7 Cross-interaction table: [Guilin \(R7\) - Use Cases \(and Requirements in Use Cases\)](#)

USE CASE REQUIREMENTS	DESCRIPTION & DISCUSSION
OOF SON PCI USE CASE	WIKI PAGE: R7 OOF SON Use Case JIRA:  REQ-345 - 5G OOF SON use case requirements for Guilin release DONE IMPACT: Swaminathan Seetharaman Sandeep Shah • Enhance Yang model to align with 3GPP and O-RAN • Align with C&PS interface • Receive Configuration Management (CM) notifications over VES (stndDef VES) #1 These capabilities exist, migrate to new Yang models. #2 C&PS has configDB deployed. Monitor progress of C&PS and align. #3 VES specs are not finalized. using mechanism for OOF U/C. VES7.2 approved. Link. stndDefined (domain); namespace = 3GPP-configuration. VEs generators, SIM to generate test data in VES format. using Postman to invoke VES message. ACTION: send Sandeep the VES7.2 doc. https://docs.onap.org/projects/onap-vnfrqts-requirements/en/latest/Chapter8/ves_7_2/ves_event_listener_7_2.html Extensions to CCSDK/SDN-C C&PS ("ConfigDB") solution to support E2E Network Slicing.
E2E Network Slicing	WIKI PAGE: E2E Network Slicing Use Case in R7 Guilin JIRA:  REQ-342 - E2E Network Slicing requirements for Guilin release DONE IMPACT: Key contact: Swaminathan Seetharaman Sandeep Shah NSSMF functionality for RAN & Transport CLC functionality Similar to work with OOF/SON - E2ENS RAN slice to be able to create the slice, and config via DMaAP invoke DGs. Netconf comm server in RTRIC. RPC & Yang models fogmount cnfg models. 3GPP-ORAN models - hand-crafting models. flexibility on the yang models, need to be defined. other use case team discussions happening. Java code, CCSDK SLI adaptor might be a good approach to invoke from DG.
A1 Policy Adaptor ORAN/ONAP /3GPP Harmonization	WIKI PAGE: ONAP/3GPP & ORAN Alignment: A1 Adapter extensions JIRA:  REQ-352 - Extend ORAN A1 Adapter and add A1 Policy Management - Guilin DONE IMPACT: Key Contact Michela Bevilacqua John Keeney Deepak Majjiga Question are we leveraging ONAP policy framework for A1 policies? or are there other layers in between? A1 Adaptor from NRt RIC from ONAP DCAE . SMO as ONAP or other. What is the source of A1 policies? ANS: some application sitting above ctrlr ask ctrlr to fwd over A1 I/F in R7 introduce A1 policy mgmt svc to coordinate A1 policies in RAN and keep a synced view of policies handle multiple versions of A1 I/F. Intructions to generate policies need an app - "RApp" executes in ONAP env. generate requests for A1 policies. coming from ctrl loop app (CLAMP, DCAE mS). Controllers NBI to create policies. The policy component in DCAE. OSC A1 policy mgr, ONAP policy framework. ONAP policy framework - no overlap in policies & A1 I/F policies. A1 policies cfigs sent over A1 I/F to RAN. Does the "RApp" exist? ANS: still being defined in WG2. try to define. in ONAP ~ctrl loop (CLAMP). DCAEMod. Q: a challenge - coordinate two open source communities ONAP & ORAN. setup a separate repo for ORAN work to track release w/ ORAN releases. different repo in Gerrit. to make a separate release build. coordinate OSC as a downstream project entire SMO project building on ONAP - A1 control function other coordination for O1 "traditional OAM" / O2 "virtual I/F mgmt I/Fs. data coordination ML model mgmt" wi SDNC CCSDK. eventually C&PS A&AI. RApps. Studying running in ORAN to see results in coming months (R7). basis in Sandeeps work.

MDONS	WIKI PAGE: MDONS Extension in R7 JIRA:  REQ-325 - MDONS Extension in Guilin Release DONE IMPACT: Xin Miao
CCVPN - Transport Slicing	WIKI PAGE: Guilin release - functional requirements proposed list#ccvpnTransportSlicingCCVPN-TransportSlicing JIRA:  REQ-347 - CCVPN-Transport Slicing for Guilin Release DONE IMPACT: Key Contact Henry Yu / Lin Meng Hesam Rahimi Presented at SDN-C. Question - creating a new CCSDK SLI adaptor. is this needed? Do as much as possible w/ DGs. may need Java using CCSDK SLI adaptor/plugin, trouble compiling , need help. (will resend email) Question #2. The way I compile for a test/dev env w/ docker compose. building docker images containers in VM or do we need helm charts? what's the best way to use helm charts? can't bring SDNC w/ A&AI. you can bring up your own env, but it isn't always easy to figure out the dependencies. can run A&AI separately send API responses from A&AI; SDN-C docker. MariaDB galera. Elastic search. but still SDNC doesn't run. Is there a wiki page to help? Dan will post the override file in the wiki.  Transport Slicin...act on SDNC.PPTX
ONAP CNF orchestration	WIKI PAGE: Guilin release - functional requirements proposed list#SupportforContainerizedNetworkFunctionorchestrationthroughONAPserviceorchestrator JIRA:  REQ-341 - ONAP CNF orchestration - Enhancements DONE IMPACT: Key Contacts Seshu Kumar Mudiganti Lukasz Rajewski Srinivasa Addepalli https://wiki.lfnetworking.org/display/LN/2020+June+Virtual+Recordings

Configuration & Persistency Service	WIKI PAGE: Configuration & Persistency Service R7
	JIRA: REQ-322 - Configuration & Persistency Service in R7 DONE IMPACT: CC-SDK & SDN-C code extended for C&PS. C&PS PoC based on CC-SDK/SDN-C repo Tony Finnerty & Toine Siebelink Extensions to CCSDK/SDN-C C&PS ("ConfigDB") solution to support E2E Network Slicing. SDN-C shall get standards-defined StndDefined (CM) VES Event notification from DMaaP when VES collector posts the CM event to DMaaP (Test only) SDN-C shall get configuration and Yang model from the network device via Netconf and O1 interface. Schema change SDN-C shall update C&PS DB with configuration data change via an existing REST interface
5G NRM	WIKI PAGE: 5G Network Resource Model (NRM) Configuration in R7 JIRA: REQ-387 - NRM Configuration enhancements in Guilin TO DO IMPACT: Key Contact yaoguang wang

Q: U/C & Non-functional Req. U/C help out on NFRs. U/C owner should contribute to some NFRs for components they are working on (TSC guidance).
Need resources for "must have" DCAE NFRs. should allocate some space/work to help out.

NFRs	Description
	Guilin release - non-functional requirements proposed list#ONAPmustcompleteupdateofthejavalauguage(fromv8-%3Ev11)
	See non-functional requirements R7 page; Guilin Impact View per Component

COMPONENT IMPACTS TABLE

The following table shows the impacts of each requirement/use case per component

See also the Release: [Guilin Impact View per Component](#)

Use Case	A&AI	AAF	CLAMP	CCSDK	DCAE	EXT API	MODEL	MVIM	OOF	POLICY	PORTAL	SDN-C	SDC	SO	UII	VID	VNF REQTS	VNF SDK
OOF SON				YES C&PS Depend	YES				YES	YES		YES						
5G Svce							YES											
SD VES					YES		YES										YES	
A1Adap				YES			Possible					YES						
NRM				YES										Possible				
E2ESlice	YES			YES C&PS Depend	YES	YES	YES		YES	YES		YES		YES	YES			
PM Ctrl					YES													
PnP					CMPv2 Depend		YES							YES				
POB																		YES
SW Uppg	YES				YES									YES				

C&PS	TEST			YES	Depend		Possible					YES				YES	
CMPv2		YES		YES	YES												
License Mgmt	Need input						YES										
							double check										
MDONS	Need input from team																
IBN	YES				YES			YES	YES			YES	YES				
	AAI	AAF	CLAMP	CCSDK	DCAE	Ext API	Model	M-VIM	OOF	Policy	Portal	SDN-C	SDC	SO	UII	VID	VNF REQTS
																	VNF SDK

SUPPORTING DOCUMENTATION

Document	File
Presentation slides	

RECORDING for U/C Realization

Recording	FILE
Zoom Video & Audio (MP4)	 zoom_0.mp4
Audio Only (M4A)	 audio_only.m4a
Playback (M3U)	
Chat (Txt)	

