

Use Case Realization Call: January 29, 2020

Date

29 Jan 2020

Attendees

- Benjamin Cheung
- Andy Mayer
- Joanne Liu Rudel
- Egemen Cetinkaya
- Melanie Sater
- Michela Bevilacqua
- Fernando Oliveira
- Albino Pinho
- Zu Qiang (Ericsson)
- Raghavan Subramanian
- Swaminathan Seetharaman
- Bob Papa
- S. Ricci
- -

DISCUSSION ITEMS LOG

Ctg ry	Item	Who	Notes
Me etin g Not es Dis cus sion	Discussion Notes from 29 Jan 2020	All Tea m me mbers	1. MODELING - Maybe first focus on models classes that A&AI might need. How do those elements get populated & modified. RTCfg will also need details & the architectural approach how they would approach extensibility; representing in swagger API or flexible schema approach. 2. A&AI - The A&AI will be stopping at level of PNF (CU/DU), the cells underneath associated w/ a DU you can't find in A&AI. That would be stored in RTCfg DB the index would match with the PNF. 3. NETWORK SLICING - (Swami) building up, intro some classes. in R7 should we introduce all the classes? Q? (Michela) Where were the classes introduced? For R6 modeling the slice as a service using the only the existing constructors & current platform info-model. 4. ORAN MODELING - The ORAN alignment, w/ their yang info-models. ORAN-ONAP alignment. Contact ORAN SMEs. 5. RunTime Config DB - Q? (Joanne) The config DB would be focused on SON U/C importing ORAN yang model to be used in the SON /PCI & associated attributes in R6. (Swami) No. The yang models are not officially available from ORAN. In OOF/SON will still use the old yang models. There is work in converting yang to the schema. ORAN yang model itseill be in R7. Alignment taking ORAN alignment; earlier CMNotify notification over Netconf I/F because ORAN decided it will be a VES event, that VES have a draft specification basedon that will generate a VES notification. 6. RunTime config DB Schema & Extensibility - Q (Andy)? How does RunTime Config DB deal w/ Extensibility - the YANG model. Schema in R6 is hard-coded; iin the long term the info from vendor provided PNF package could guide the RTCfgDB schema (R7). Q (Joanne)? Relation between 5G info model . Attach the 5G Specific aspects for 5G elements (xNFs). Runtime pc the yang model info that would be represented in A&AI. other info only be in RTCfgDB. MODEL the DOMAIN. Config stuff as a "blob" need to parse. A view of what the info model is. Anything dynamic, changeable, or discovering (would not be in A&AI). 7. OOF/SON PCI - The Parameters already used for the OOF/SON PCI U/C e.g. NetworkID, CellID, PCIValue, nbrList, ... are these in 3GPP TS28.541 (mapping?). Key ideas - OOF/SON/PCI cares about Cells. Model Cells ... how should they be modeled? is that something that should be evolved in the platform model. how Will that evolve. Maybe start w/ SON as a reference or starting point. The requirements are limited what info we are looking for in Cell. 8. DOMAIN - RAN (Wireless). the modeling stuff that is introduced will not preclude the ability to support other domains, such routers. EXTENSIBILITY. 9. MODELING S/C - NEXT STEPS: ... present an abbreviated presentation to Modeling S/C, what would be reused or re-imported from the 3GPP model and how to attach/hang them to base classes. 3GPP has functions functions separated out and attached to the element. ASK who would like to help create the papyrus model as input. 10. A&AI - NEXT STEPS I've made presentation at the A&AI Team (Weds 9AM EDT USA), they will also be hosting future discussions on parameters flagged as "A&AI" in the spreadsheet. 11. NOTES - Q (Zu Q.) Add a column for "Notes" justifying if something will be in A&AI.
Pltfrm	PLATFOR M TOPICS: Controller to NF Association	Ben jam in Ch eung	See Slides Nov 6, 2018. Development of Controller to NF assignment association S/W. CDS, VF-C, APP-C, SDN-R, SDN-C; will the CCSDK "merging" of controllers happen in R6? USE CASE REALIZATION MEETING (Notes 2018-11-6) Ctrl-NF

Use Case	PLATFORM TOPICS: Data Persistence, RunTime DB	N. K. Shankaranayan Joanne Liu Rudel Benjamin Cheung	RunTime Config DB is now a R6 use case : USE CASE REALIZATION MEETING (Notes 2019-01-30) U/C Cross-Interaction, Persistency CONFIGURATION PERSISTENCE SERVICE R6 Jan 22 - CMNotify; SA5 3GPP Meeting. CMNotify domain. VES Event spec 7.1.1. Alok Gupta has not updated the VES event. On a leave of absence (Hip surgery). CMNotify is going to be done by Nokia. Sync with Sandeep Shah
Pltfm	PLATFORM TOPICS: Controller LCM API Evolution	Oskar Malm	https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2 Goals (Architecture Evolution) - Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations - Support PNFs for applicable LCM operations in a consistent way - Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category - In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases. - Evolution steps that preserve backwards compatibility for clients Present at the Arch S/C Apr 9 (Tue) second presentation.
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 - Akraino. MEC. Edge automation (Ramki). Use Case WIKI: MOBILITY STANDARDS HARMONIZATION WITH ONAP
Use Cases	USE CASE/5G: Licensing Management	Tim O'Perala Samuli Kuusela	New U/C added to the 5G Use Cases Wiki: LICENSING MANAGEMENT (Oct 8 2019) Arch Samuli presented on Licensing Management. Modeling work: ONAP R6 Modeling High Level Requirements Kevin Skaggs Proposed Licensing Platform Model
Use Cases	USE CASE/5G: OOF / SON / PCI	N. K. Shankaranayan	PoC for December 2019? SDN-R south-bound NetConf I/F w/ model and also integration with Runtime DB work.
Use Cases	USE CASES: BBS U/C Evolution	David Perez Carras Tim Carey Chaker Al-Hakim	BBS Evolution - Slide set linked in R6 proposed U/C. List of proposals & functional requirements. - Change Service - want to use ONAP platform. - Full Closed Loop for Fault Management - CLAMP. - Service Update API (SO) - will be developed https://wiki.onap.org/download/attachments/60887504/BBS_R5_v1.pptx?version=1&modificationDate=1554180715000&api=v2

Use Cases	USE CASES/5G: PM Dictionary /FM MD GUI	Mar ge Hillis	FM META DATA & PM DICTIONARY in R5
Use Cases	USE CASES/5G: PNF S/W Upgrade	Zu Qiang (Ericsson) yao guang wang	PNF software upgrade in R6 Frankfurt
Use Cases	USE CASES/5G: Preonboarding /Onboarding	Benjamin Cheung Zu Qiang (Ericsson) Michaela Bevilacqua	PNF PREONBOARDING / ONBOARDING in R5 VNF-SDK Artifact package security
Use Cases	USE CASES: IoT Service Creation	Atul Purohit	IoT Create Services on 5G 5G Use Cases in R6 Frankfurt June 19, 2019
Use Cases	USE CASES: Modeling gNB/5G RAN	Thinh Nguyenphu Benjamin Cheung Melanie Sater Tracy Van Braekle Martin Skrupski Kevin Scagggs	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	yao guang 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 Chueung	PNF Plug and Play M2/ 22 Jan 2020 - Pending  REQ-140 - Create Client, Plugin using Client and mechanisms for using CMPv2 as a CA. DONE - CMPv2 Security enhancements to AAF (Netconf & PM impacts also).
Arch	Architecture S/C PNF POB /OB Flow	Benjamin Chueung	Arch S/C Information Flows: Draft ONAP Information Flows New Information flow for Preonboarding/Onboarding xNF packages/resources. ARCHCOM: InfoFlow - Onboard Resource into SDC Flow
TSC	TSC: PoC Definition	Benjamin Chueung Alla Golder	POC definition
TSC	TSC/USE CASES: Test Automation Progress	Benjamin Chueung Alla Golder	Use Case Test Automation Action Items: Use case subcommittee to reach the Dublin use case owner to provide the following information. what's the current percentage of testing automation regarding your use case and functional requirements; what will be the plan to be 100% and constraints (resources availability etc.)
Release Tracking	R6 Frankfurt / M2	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 Frankfurt Release Requirements
Demos Plug-fest	Demo Plugfest	Tracy Van Braekle Marc Haas Martin Skrupski	POC & Plugfest in End June 2020 WINLAB? A1/O1 ORAN & ONAP Joint Plugfest Panel Discussion - ? / Maybe in January-February Setup. Bronze Release. / Slicing, Heart Beat-Health Check
Architecture Topics	Architecture Topics	All Team Members	Architecture Component Descriptions: ONAP Architecture Component Description - Dublin Architecture Flows: Dublin ONAP Information Flows

[Frankfurt Release Requirements](#)

KEY PRESENTATIONS & OVERVIEWS & RECORDINGS

List of U/C Realization calls from R6 U/C Wiki: [Release 6 \(Frankfurt\) proposed use cases and functional requirements](#)

DATE	TOPIC	PRESENTER	DESCRIPTION
------	-------	-----------	-------------

Apr 10, 2019	Controller LCM API Evolution	Oskar Malm	- Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations - Support PNFs for applicable LCM operations in a consistent way - Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category - In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases. - Evolution steps that preserve backwards compatibility for clients https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2
May 1, 2019	A&AI Graph Visualizer	Pavel Paroulek	Visualizer for A&AI Model Layout Use Case Realization Call: May 1, 2019
May 8, 2019	A&AI Model Browser, Sparky	James Forsyth	A&AI developer Model Browser to navigate and viewing attributes, object types & edge view Recording & Slides: Use Case Realization Call: May 8, 2019
May 15, 2019	A&AI Run Time Browser (Sparky)	Giulio Graziani	A&AI Run-Time Browser
May 22, 2019	Edge Automation Overview & Discussion	ramki krishnan	Central & Distributed Edge ONAP configuration. Topics include: Onboarding, Instantiation, Edge Orchestration, A&AI, Architecture, Work-flows, Multi-Tenancy Use Case Realization Call: May 22, 2019
May 29, 2019	Modeling, Use Case & Arch S/C Way of Working	Benjamin Cheung	Model S/C (Sub committee) contributions page: Modeling sub-committee Contributions https://wiki.onap.org/display/DW/Proposed+ONAP+Release+Process+Updates+for+Information+and+Data+Modeling
Jun 5, 2019	Use Case slides for Dev. Forum	Benjamin Cheung	Use Case Realization Call: June 5, 2019
July 10, 2019	R6: PNF Software Upgrade	Zu Qiang (Ericsson) Ulas Kozak yaoguang wang	ONAP Read the Docs/R4 Announcements WIKI: PNF software upgrade in R6 Frankfurt Overview & Presentation
July 24, 2019	R6: OOF/SON PCI Use Case Demo	NK Shankar	OOF / PCI / SON Use Case Discussion and Overview
07 Aug 2019	5G NRM Configuration U/C Overview	yaoguang wang	5G NRM (Network Resource Model) Configuration U/C Overview & Presentation
14 Aug 2019	ORAN Standards Harmonization	Marge Hillis Vimal Begwani	ORAN Standards Harmonization U/C Overview & Presentation
21 Aug 2019	Modeling S/C guidelines & Use Case Interactions	Andy Mayer Hui Deng	Modeling S/C Process Wiki: Proposed ONAP Release Process Updates for Information and Data Modeling with Use Case Tracking Template and Use Case Template R6 Modeling Req Plan wiki: ONAP R6 Modeling High Level Requirements
04 Sep 2019	Licensing Management Overview	Timo Perala Samuli Kuusela	Introduction of Licensing Management in R6
11 Sep 2019	SDC & R6 Use Case Impacts Discussion	Ofir Sonsino	Discussion with SDC PTL Ofir w/ the Use Case Teams and SDC commitments. See the summary Table for SDC impacting Use Cases.
18 Sep 2019	VID & R6 U/C Discuss	Ittay Stern Use Case Teams	Discussion with VID PTL (Ittay Stern) for R6 Use Case Impacts discussion and commitments for VID impacting Use Cases Preparing slides for Use Cases at the Technical Conference Antwerp (for 5G/PNF use cases)
25 Sep 2019	A&AI & R6 Use Case Impacts Discussion	James Forsyth	Discussion with A&AI PTL (Jimmy Forsyth) and Chandra Cinthala for R6 A&AI Use Case Impacts discussion and commitments. Use Case Realization Call: September 25, 2019
02 Oct 2019	DCAE & R6 Use Case Impacts Discussion	Vijay Venkatesh Kumar	Discussion with DCAE PTL (Vijay Kumar) for R6 Use Case Impacts discussion and commitments for DCAE impacting Use Cases

09 Oct 2019	M1 U/C discussion	Use Case Teams	R6 M1 Deadline (Oct 10 2019) M1 Checklist: Deliverables for Planning Milestone Checklist Template READ THE DOCS: http://onap.readthedocs.io/en/latest/guides/onap-developer/developing/index.html > USER GUIDES > Verified Use Cases and discussion with A&AI (James Forsyth) continuing discussion from Sept 25. Network Slicing has two proposals in R6 (LIN MENG CMCC and Swaminathan Seetharaman). Need to align the two proposals and present at Use Case S/C meeting (Alla G.) and TSC and Architecture next week Oct 14.
16 Oct 2019	PoC Planning & Discussion	Tracy Van Brakle	Combination Plugfest & PoC 1st week of December bringing together subset of ONAP modules as SMO (svc mgmt orchestration) layer w/ other artifacts from ORAN S/W (LF). LF will publicize. Planned June 2020. Co-Demo discussion Nokia & Ericsson: Plug Fest Planning Discussion Oct 28, 2019
23 Oct 2019	RunTime Config DB (Data Persistency)	Benjamin Cheung Joanne Liu Rudel Sandeep Shah	Discussion of the RunTime DB Use Case in R6 Frankfurt which introduces a Common Service Data Layer for a data lake to store configuration and operational parameters. Component & Flows: ARC RunTime DB Component Description - R6 Frankfurt ARCHCOM: InfoFlow - RunTime Config DB Information Flow CONFIGURATION PERSISTENCE SERVICE R6
30 Oct 2019	OOF & R6 Use Case Impacts Discussion	Shankar PN	Discussion with OOF PTL (Shankaranarayanan Puzhavakath Narayanan) for R6 Use Case Impacts discussion and technical details for OOF impacting Use Cases
06 Nov 2019	SO & R6 Use Case Impacts Discussion	Seshu Kumar Mudiganti	Discussion with SO PTL (Seshu Kumar) for R6 Use Case Impacts discussion and commitments.
13 Nov 2019	PoC Planning & Discussion	Tracy Van Brakle	Sync up on the Dec 5, 2019 ORAN/ONAP PlugFest & Demo
20 Nov 2019	Network Slicing	Swaminathan Seetharaman LIN MENG Shankar PN	CMCC-Huawei-Tencent & Wipro-ATT-Amdocs joint Network Slicing proposal
27 Nov 2019	No Meeting	No Meeting	
04 Dec 2019	MDONS	Xin Miao	Presentation and discussion of Multi-domain Optical Network Services
11 Dec 2019	Ctrl & R6 U/C Impacts	Dan Timoney	Discussion with Controller (APP-C, SDN-C) PTL (Dan Timoney) for R6 Use Case Impacts to Controller project. A technical discussion, Q&A, and U/C analysis. Recap of ONAP/ORAN Plugfest (Dec 5)
18 Dec 2019 25 Dec 2019 01 Jan 2020	No Meeting	No Meeting	No meeting end of December due to Holidays & Vacations
08 Jan 2020	Use Case Discussion	Use Case Teams	M2 Discussion
15 Jan 2020	No Meeting	No Meeting	No meeting due to Prague DDF
22 Jan 2020	M2/M3 Discussion	Use Case Teams	M2/M3 Deadline Discussion
29 Jan 2020	5G Service Modeling	Benjamin Cheung	5G RAN SERVICE MODELING & DEFINITION in R6 Frankfurt
05 Feb 2020			
12 Feb 2020	Network Slicing Presentation & Discussion	Swaminathan Seetharaman	Refined Network Slicing Presentation & Discussion
Jan or Feb	Release Manager Discussion	David McBride	Discussion with David McBride of the Linux Foundation, the R6 Release Manager regarding practices, wiki page updates, Jira dashboard and what is a use case? Release development process moving waterfall > agile/sprint Release Planning: Frankfurt Frankfurt Release Requirements

x, 2020	CC-SDK and E2E Automation	Yuriy Malakov	CC-SDK & E2E Automation
April / May	Way of Working Process	Benjamin Cheung	Process for Modeling WoW and development with Architecture & Modeling. Proposed ONAP Release Process Updates for Information and Data Modeling
?	PNF Plug & Play w/ SO	user-063b3	PNF Plug and Play SO BPMN Work-flows to Building Blocks (BB)
Jan or Feb	Documentation Projects	Sofia Wallin	Process ReadtheDocs
March	Discussion of Use Case Template for R7	Andy Mayer Scott Blandford	Filling out, describing and creating the Wiki for a Use Case Use Case Tracking Template and Use Case Template Proposed Functional Template for Use Cases
March/April	ORAN Bronze Rel & ONAP Plugfest Planning	Marci Haas Tracy Van Brakle	Planning for ORAN Bronze Rel & ONAP Plugfest Planning

SUPPORTING DOCUMENTATION

Document	File
3GPP TS28.541 Analysis Spreadsheet	 3GPPTS28541_01jn022020.xlsx

RECORDING for U/C Realization

Recording	FILE
-----------	------

Zoom Video & Audio
(MP4)



zoom_0.mp4

Audio Only (M4A)



audio_only.m4a

Playback (M3U)



playback.m3u

Chat (Txt)



chat.txt



meeting_saved_chat.txt

