

Use Case Realization Call: December 11, 2019

Date

11 Dec 2019

Attendees

- Benjamin Cheung
- Prabhu Balan
- Swaminathan Seetharaman
- Oskar Malm
- Marci Haas
- Dongho Kim
- Zu Qiang (Ericsson)
- Raghavan Subramanian
- James Forsyth
- Jack Kozik
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DISCUSSION ITEMS LOG

Ct gry	Item	Who	Notes
Pltfm	PLATFORM TOPICS: Controller to NF Association	Benjamin Cheung	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
Pltfm	PLATFORM TOPICS: Data Persistency, RunTime DB	N.K. Shankara narayanan 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
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	Timo 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

Use Cases	USE CASE/5G: OOF / SON / PCI	N.K. Shankaranarayanan	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 Caparros Tim Carey Chaker Al-Hakim	BBS Evolution - Slide set linked in R6 proposed U/C. List of proposals & functional requirements. 1. Change Service - want to use ONAP platform. 2. Full Closed Loop for Fault Management - CLAMP. 3. 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	Marge Hillis	FM META DATA & PM DICTIONARY in R5
Use Cases	USE CASES/5G: PNF S/W Upgrade	Zu Qiang (Ericsson) yaoguang wang	PNF software upgrade in R6 Frankfurt
Use Cases	USE CASES/5G: Preonboarding /Onboarding	Benjamin Cheung Zu Qiang (Ericsson) Michela Bevilacqua	PNF PREONBOARDING / ONBOARDING in R5
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 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
Arch	Architecture S/C PNF POB/OB Flow	Benjamin Cheung	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 Cheung Alla Goldner	POC definition
TSC	TSC/USE CASES: Test Automation Progress	Benjamin Cheung Alla Goldner	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.)

R6 Frankfurt / M1		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

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 GraphVisualizer	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 (Alia 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	Ctr & 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	No Meeting	No Meeting	No meeting end of December due to Holidays & Vacations
25 Dec 2019			
01 Jan 2020			
08 Jan 2020			
	M2/M3 Discussion		
x, 2020	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

x, 2020	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	
	Way of Working Process		Process for Modeling WoW and development with Architecture & Modeling.

SDN-C USE CASE IMPACTS FOR R6

[Frankfurt Release Requirements](#)

Overview:

SDN-C, SDN-R, APP-C, VF-C, CC-SDK ... CC-SDK is the platform to build controllers.

SDN-C is THE controller. Controllers can have multi-persona, a particular instance might have different functionality turned off/on. one persona is SDN-R. Trying to get to APP-C be a persona (multi-release in R7+ Brian Freeman). Architectural goal is merge them. VF-C and APP-C are controllers in their own right. VF-C idea talking to a 3rd party controller.

SDN-C, SDN-R, APP-C are all rooted off of CC-SDK.

should SO be declarative or procedural? should it be driven by TOSCA or BPMN. In R1 #1 AT&T view of SO was driven by BPMN/procedural. SDNC is BPMN align #2 view of a TOSCA-driven approach. VF-C TOSCA base orchestration

how should we control life cycle -

PNF / Preonboarding Onboarding	Wiki Page: PNF/VNF PREONBOARDING / ONBOARDING in R6 Frankfurt SUMMARY: No impact
PNF / Plug and Play	Wiki Page: PNF PLUG and PLAY in R6 Frankfurt Frankfurt Release Requirements : - Use Case Spreadsheet: Indicates Impact WIKI: (Ericsson) Epic#1: Controller to PNF exchange (Epic) STEP 37 Epic #1: 1. Support NetConf, uses CDS component. W/F in SO. Extended with optional configuration step in SO uses CDS API. w/ CDS to create blueprint ansible/netconf. CDS south-bound can use different protocols. 2. Support ONAP communication back to the PNF (via Ansible/Netconf) see Step 37 on the PnP Wiki. 3. (Might be all fully working - might no new development) See the Netconf communiation main Use Case. PnP defines the step 37; the actual work is in the NetConf Use Case SUMMARY: Controller to PNF (NetConf) communication Question: Will NetConf adaptor in CDS? Answer: in R4 there is a solution uses CDS as part of the post-inst. for PNF. The change in R6, to convert from python to coclin still using opendaylight as the open client. Dan: CDS has N/C built in as well push back that's not architecturally correct. Dan Timoney Netconf going through SDN controller so architecture S/C doesn't push back. if we took that out, then that would raise the question if CDS is another controller, but CDS is not a controller.

PNF / PNF Software Upgrade using direct Netconf/Yang interface with PNF	Wiki Page: PNF software upgrade in R6 Frankfurt Use Case Spreadsheet: Indicates Impact Frankfurt Release Requirements : Indicates Impact WIKI: Epic #1: PNF Software Upgrade. Impact on CCSDK: Provide CDS blueprint for downloadNESw and activateNESw. CDS + Open Daylight. TEST ONLY SUMMARY: TEST ONLY Most of the impact "core" part of PNF S/W Upgrade is in SO. New APIs being developed. SO API.
PNF / Enable Schema Update once PNF software is updated	Wiki Page: PNF software upgrade in R6 Frankfurt - SUMMARY: No impact
PNF / Enhancement on PNF Software Upgrade with EM with Ansible	Wiki Page: PNF software upgrade in R6 Frankfurt Frankfurt Release Requirements : - WIKI: Impact on CCSDK: Support LCM API / self service API for downloadNESw and activateNESw actions Added by Huawei team to add ansible playbook for controller. Before only upgrade S/W API. split that into separate download activate APIs. SDN-C uses LCM API from CC-SDK. to support ansible path, which huawei uses need to go to CC-SDK to add new RPCs in the API for active & download S/W SUMMARY: -  SDNC-856 - Support LCM API for downloadNESw and activateNESw actions CLOSED  SDNC-857 - Provide DGs and Ansible playbooks for downloadNESw and activateNESw CLOSED
PNF / PNF Software Upgrade with EM with Netconf	Wiki Page: PNF software upgrade in R6 Frankfurt Frankfurt Release Requirements : Test only Impact SUMMARY: Test only
PNF / Configuration with NETCONF/ Secure Communication between xNFs and ONAP	Wiki Page: Configuration with NETCONF in Frankfurt/R6 WIKI: Improve support for deploying NETCONF/TLS client certificates into ODL netconf-keystore - Provided by external CA via AAF - Separate from certificate used for ONAP internal communication SUMMARY: Deploying NetConf TLS certificates. Looking at adding a second option for certificate handling used by Netconf TLS in SDN-C. Option from initi container of SDN-C request second certificate from AAF using existing API every ONAP component would request a certificate to protect internal communication Border components SDNC want a dedicated cert. e.g xNF over TLS option to request 2nd cert. from AAF use it in opendaylight. Installs the cert into the NetConf keystore in ODL.  SDNC-966 - NETCONF/TLS Certificate Management CLOSED In OOM honor global flag to disable/enable AAF. if AAF is disabled, how is this handled? A: The fall back is a manual method to provide cert. via in a persistent volume. A previous procedure. Could a self-signed certificate be used? Usually service providers will have their own procedure for certificates and not necessarily using AAF. Thus, the manual method is important for other reasons from actual service provider scenarios & procedures for cert. management.
5G / 5G Service Modeling	Wiki Page: 5G RAN SERVICE MODELING & DEFINITION in R6 Frankfurt WIKI: Modeling work only SUMMARY: No impact

5G / Bulk PM / PM Control	Wiki Page: 5G Bulk PM in Frankfurt/R6 Frankfurt Release Requirements : No impact WIKI: No Code impact. Operation will use the controller. The flow expecting for PM control U/C. Policy will use the CDS API. Will have a customized blue-print to support it. SUMMARY: Test Only
5G / PM Dictionary	Wiki Page: FM META DATA & PM DICTIONARY in R6 Frankfurt SUMMARY: No Impact
5G / 5G FM Meta Data	Wiki Page: FM META DATA & PM DICTIONARY in R6 Frankfurt SUMMARY: No Impact
5G / OOF SON (PCI)	Wiki Page: OOF (SON) in R5 El Alto, OOF (SON) in R6 Frankfurt Use Case Spreadsheet: Indicates Impact WIKI: Epic#1 - OOF/SON Enhancements Enhance Yang model to align with 3GPP and O-RAN Configuration/Operational Database, Config History (e.g. to revert changes) RAN Simulator – enhance and include in ONAP codebase* Related O-RAN Jira: https://jira.o-ran-sc.org/secure/RapidBoard.jspa?rapidView=7&projectKey=OAM&view=detail&selectedIssue=OAM-9  CCSDK-1654 - Integration of ORAN YANG models in CCSDK to support SDNR/Non-RT RIC CLOSED  CCSDK-1796 - O-RAN compliant A1 adaptor CLOSED SUMMARY: Development From Swaminathan Seetharaman Sandeep Shah 2 cases I am involved with - OOF SON use case - we expect some SDN-C impacts due to ORAN alignment and ConfigDB, our team (most likely Sandeep Shah) will contact Dan.
5G / E2E Network Slicing	Wiki Page: NETWORK SLICING PoC in R6 Frankfurt (Obsolete) Frankfurt Release Requirements : Indicates Impact Use Case Spreadsheet: Indicates Impact WIKI: • DGs for receiving DMaaP message from SO with RAN NSSI details, map them to netconf messages and send to RAN. • Interaction with PNF PnP to be discussed • Config DB – could leverage existing Config DB and extend it.  SDNC-915 - SDN-C (SDN-R) support of E2E Network Slicing in Guilin CLOSED SUMMARY: New Development CONFIG DB - A new schema for Config DB. Needs to be available by M3 Swaminathan Seetharaman Sandeep Shah For Network Slicing use case, SDN-C impacts are not clarified for Frankfurt (it is not part of the approved scope, so it will be a stretch goal), we will contact Dan once details are worked out, so it can be a PoC for Frankfurt if we implement it after agreement with Dan.

5G / RAN ORAN 3GPP Standards Harmonization	Wiki Page: MOBILITY STANDARDS HARMONIZATION WITH ONAP WIKI: Epic #1 ORAN/3GPP & ONAP Harmonization A1 Interface REQ-38 - 5G / ORAN & 3GPP Standards Harmonization DONE CCSDK-1796 - O-RAN compliant A1 adaptor CLOSED SUMMARY: Sandeep is working on CCSDK-1796, talking to Dan about Docker container. Working on A1 adaptor. getting A1 policy through DMaaP, converting that to an A1 compliant I/F to talk to RIC side. The introduction of the A1 adaptor is S/W. Sandeep working on DMaaP agent, and DG work flow.
5G / Runtime Config DB , Data Persistency U /C	Wiki Page: 5G CONFIGURATION (RunTime DB) Use Case Spreadsheet: Indicates Impact WIKI: E1a. Provide RunTime DB yang model to RunTime DB. E1a. SO + Controller pathway BACK to the PNF through Netconf to update RunTime DB. Incorporation of RunTime DB into CCSDK SUMMARY: Development Impact
5G / NRM CM w/ RESTful HTTPS	Wiki Page: 5G Network Resource Model (NRM) Configuration in R6 Frankfurt Frankfurt Release Requirements : Indicates Impact WIKI: No impact SUMMARY: No impact
5G / Licensing Management	Wiki Page: LICENSING MANAGEMENT SUMMARY: No Impact, Modeling & architecture work only for R6.
SERVICE RESOLVER	Wiki Page: Service Resolver WIKI: SUMMARY: No impact
SCALING	Wiki Page: Scaling Use Case (Frankfurt) Frankfurt Release Requirements: Indicates Impact Use Case Spreadsheet: Indicates Impact WIKI: (Test only) Auto Post-Instantiation Configuration of VF_Modules SUMMARY: Test only
Mobile Service Chaining & Service Selection	Wiki Page: MOBILE SERVICE CHAINING Use Case Spreadsheet: Indicates Impact WIKI: (Only slideware) SUMMARY: -

BBS	Wiki Page: BBS Broadband Service Use Case (Frankfurt) Use Case Spreadsheet: No Impact WIKI: - ? SUMMARY:
CCVPN	Wiki Page: CCVPN Use Case in Frankfurt Release Use Case Spreadsheet: Indicates Impact WIKI: ?? Frankfurt Release Requirements: - SUMMARY: -
Control Loop	Wiki Page: Control Loop Sub Committee Frankfurt Release Planning Use Case Spreadsheet: Indicates Impact WIKI: Event based Common API for Control Loop Operations SUMMARY: -
Multi Domain Optical Service L0 /L1 Orchestration	Wiki Page: Multi-domain Optical Network Services Use Case Spreadsheet: Indicates Impact WIKI: Raghavan Subramanian Have done some prototyping in Dublin for adding new DGs to extract topology from external domain controllers and map them to A&AI schema. Will need additional work to integrate this with proposed CDS workflow in Future release.  SDNC-928 - MDONS Use Case in Frankfurt CLOSED  CCSDK-1828 - Multi Domain Optical Service - CCSDK impacts CLOSED SUMMARY: SDNC Impact for MDONS: SDNC Impacts in R6
CHANGE MANAGEMENT	Wiki Page: Change Management Frankfurt Extensions Use Case Spreadsheet: Impact WIKI: Extensions to APP-C , VNF-C for Ansible Protocol. Delivery of "vFW K8s Use Case" Integrated with CDS - modification in CDS required for K8s workflow support. Dedicate package for CDS only uses existing functionality - Test only. Change on K8S plugin multi-cloud side. Ansible server (part of CCSDK), the integration of ansible server of APP-C. Modify how it is used by APP-C. (Test only, no S/W impact for SDN-C/CCSDK) SUMMARY:
HPA	Wiki Page: Continuation of HPA Frankfurt Release Requirements: ? WIKI: ? SUMMARY: ?.
RUN TIME SECURITY	Wiki Page: Run time Security using ISTIO - as a POC WIKI: SUMMARY: -

K8S Based Cloud Region Support	Wiki Page: K8S based Cloud region support (Continue from R4) Use Case Spreadsheet: Indicates Impact Frankfurt Release Requirements : Indicates Test Only WIKI: ? SUMMARY: - ?
DAaaS	Wiki Page: Distributed Analytics as a Service (Continuation from R4) Use Case Spreadsheet: ? WIKI: ? SUMMARY: -
3rd Party Operational Domain Manager	Wiki Page: Third-party Operational Domain Manager Use Case Spreadsheet: ? Frankfurt Release Requirements: ? WIKI: SUMMARY: -

SUPPORTING DOCUMENTATION

Document	File

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

