

5G Use Case Meeting notes for Mar 4, 2020

Date

05 Mar 2020

Attendees

- Benjamin Cheung
- Junfeng Wang
- Lin Meng
- Lukasz Rajewski
- Sofia Wallin
- Timo Perala
- Marge Hillis
- Swaminathan Seetharaman
- Zu Qiang (Ericsson)
- David McBride
- Albino Pinho
- Joanne Liu Rudel
- Rebecca Lantz
- Jessica Wagantall
- Vimal Begwani
- Raghavan Subramanian
- Chuanyu Chen
- Marci Haas
- Maleni
- -

Discussion items

TIME FOR THIS MEETING WILL BE 2PM UTC = 10AM EST (USA); 7 AM PST (USA)

Item	Who	Notes
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<p>Discussion this week</p> <p>04 Mar 2020</p>	<p>Meeting notes from the Use Case Realization call for March 4. (from Marge Hillis)</p> <p>Agenda</p> <p>David McBride---M4 Requirements discussion</p> <p>Sylvia ---introduction to the ReadTheDocs and its evolution.</p> <p>M4 Requirements</p> <p>https://wiki.onap.org/display/DW/Frankfurt+Release+Requirements</p> <p>David reviewed the requirements and what he needs for the M4.</p> <p>Several folks had follow on questions:</p> <p>How do I mark my requirement if I am moving part of it out? Requirements can be scaled back even later in the release if we need to extend some of the work into subsequent releases. We need to be as accurate as possible in filling out the score card. Need to be clear when a requirement is being descope and need to be clear on the existing status of the requirement as it is documented and include notes if some things will be de-scoped e.g. if you are moving some things out but haven't done it yet you are probably yellow not green and you should put in notes saying the parts you can't do and that you intend to move them to the Guilin release.</p> <p>If a requirement is moved do we have to get approval or can we assume its ok for the next release e.g. if move from Frankfurt is approval for Guilin automatic? The answer was no you have to communicate to the architectural subcommittee and let them know that Frankfurt scope was reduced and you want to be able to add it to Guilin. They will probably accept this but you have to review</p> <p>We were not sure what the Use Case Action item was that you wanted David to discuss. He suggested we re-schedule that.</p> <p>READ THE DOCS</p> <p>Sylvia provided an over view of the plans for the evolution of material from the WIKI to the read the docs site.</p> <p>The reason for making this evolution in documentation is to provide an easier more organized way to find official information. Much information will remain on the WIKI but critical Use Case information as it matures and stabilizes needs to move to the ReadTheDocs. A task force is being started to evaluate what material should move from the WIKI. One of the members of the audience (I didn't catch the name) showed some examples of issues they were facing and with the difficulty in getting items to the Read the Docs. Sylvia acknowledged that the documentation is a little sparse and that they are working on improving the documentation guidelines. I asked if they might prepare a tutorial that they could film and post with the guidelines showing folks how to do some of the basic things and then providing resources for questions. Sylvia seemed very willing to do that. She said that they plan to have a Hackathon to improve the documentation and info on the hackathon is below. If anyone from the use case realization team is interested in participating or perhaps in being a beta contributor to move a use case using their new documentation and tools she would very much welcome that. Ben, I know you are sometimes willing to be an early adopter so please let her know if you want to get involved. She is also willing to come back to your project utilization call and provide updates on their progress with the idea that perhaps we can partner to start to move use cases. https://wiki.onap.org/display/DW/March+11th+Documentation+Hackathon</p> <p>A gentleman from Orange told us that the scale out use case is an excellent example of the sort of documentation we are looking for. Below is a link to that Use Case. He went through a bit of it and it seemed very impressive.</p> <p>Good example of use cases is https://docs.onap.org/en/latest/submodules/integration.git/docs/docs_scaleout.html</p>	
<p>Release 7 Guilin Release</p>	<p>All in 5G U/C team</p>	<p>R7 GuiLin Requirements & Proposals -</p> <p>Requirements S/C page: Requirements subcommittee</p> <p>R7 new requirements, currently proposals in R7: Guilin release - functional requirements proposed list</p> <p>Use Case Template: Use Case Tracking Template</p> <p>Take a R7 - example page.</p>
<p>M4 Deadline Deliverables</p>	<p>All in 5G U/C</p>	<p>M4 for R6 Deliverables DEADLINE: 05 Mar 2020</p> <p>R6 Frankfurt Release: Frankfurt Milestone Status</p> <p>Release Planning Page: Release Planning</p> <p>M1 Deliverables Checklist: Deliverables for Planning Milestone Checklist Template</p> <p>Deliverables by Milestone: Frankfurt Deliverables by Milestone</p> <p>(1) FUNCTIONALITY FREEZE -</p>

M2 MILESTONE: Functionality freeze

No new visible functionality is to be added to the current ONAP release.

A stable document describing the API is documented and available in wiki.

Base set of impacts to VNF Requirements identified by use case/ project.

(2) API & DATA MODEL FREEZE -

M3 MILESTONE: API & data model freeze.

Mark the end of API and Data Model change. API and Data Model are now Frozen.

Any changes to the API must be brought to the knowledge of the TSC for review and approval.

50% of Functional Test Case are automated.

(3) FUNCTIONAL TEST CASES -

Functional Test Cases are defined & documented

M2/M3 CHECKLIST: Release Planning (legacy)

- (1) **Functionality freeze**, no new visible functionality is to be added to the current ONAP release.
- (2) **Functional Test Cases** - Each Project team has defined & documented Functional Test Cases.
- (3) **API Documented** - A stable document describing the API is documented and available in wiki.
- (4) **VNFReq** - Base set of impacts to VNF Requirements identified by use case/ project.
- (5) **Release Status** - Update M2 scorecard [Frankfurt Release Requirements](#)
- API docs complete - Where?
- Data Models (e.g., JSON, YANG, Swagger, etc.) shared with Modeling/Community
- Architecture Review complete (if required)
- No Gerrit requests older than 36 hrs.
- Provide docker to integration testing for Wave1: oParent, PortalSDK
- OOM port list update
- Fix any Integration blocker - Daily status updates on integration blockers, Highest/High issues
- Review and plan resolution of any License scan, security issues
- Update [Frankfurt Risks](#)

M4 Deliverables:

- **Code Freeze**. Mark the end of the Features coding.
- **JIRA ISSUES** - Jira issues are either fixed in the current release or assigned to next release.
- **AUTOMATED** - 100% of Functional Test Case are automated.
- **INTEGRATION & TESTING** - End 2 End Release Test Cases are implemented (Integration Team).
- All new VNF Requirements planned for the release reviewed and implemented in VNF Requirements project.
- Documentation

(CONTINUOUS) - **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>

This is mainly relevant to new projects. The link that you provided below covers that, since the 5G use case team is not a new project, your documentation is already published on RTD."

- Gerrit Files, Gerrit Review, Main Branch, Update file, create Gerrit Review,

RC0 26 Mar 2020 RC1 09 Apr 2020 RC2 23 Apr 2020


Project Team focused its effort on:




1. supporting integration testing
2. closing high priority defects
3. supporting Documentation team

CONF EREN CES & DEMOS	All in 5G U /C	<p>ORAN/ONAP Plugfest held Thurs Dec 5, 2019 (AM EDT UTC-4 USA) at Rutgers WIN Lab (Brunswick NJ).</p> <p>Official WIKI Site: https://wiki.o-ran-sc.org/x/egBv</p> <p>RECORDING OF DEMOS PLUGFEST</p> <p>https://zoom.us/recording/play/jbp0ivv4Cs0RwyWM1YilqHDMXWvnwxCH-Xwh3PCezteHdg_5TRBGmGX-tnvvv4ze?startTime=1575556625000</p> <p>CONFERENCE</p> <p>PLUGFEST</p> <ul style="list-style-type: none">• POC & Plugfest in End June 2020 - BRONZE Release of ORAN.• WINLAB? A1/O1 ORAN & ONAP Joint Plugfest.• Tracy Van Brakle Martin Skorupski Marci Haas• Panel Discussion - // Possibly planned for Feb 2020. <p>CONFERENCES</p> <p>April 22-24 Open Network & Edge Summit (ONES) - Los Angeles - Guilin R7 (Planning).</p> <ul style="list-style-type: none">• Request for PROPOSALS:• LFN is organizing. Heather Kirksey. 2-3 days of ONES / then separate ONAP• LINK: https://events.linuxfoundation.org/open-networking-edge-summit-north-america/ <p>Early June DDF - (GuiLin R7)</p> <p>ACTION: Will remote presentations be possible, links to remotely attend? When is final schedule up.</p>								
RunTi me Config DB	<div>Joann e Liu Rudel</div> <div>Benja min Cheung</div>	<p>Architecture S/C presentation for Run Time DB.</p> <table><tr><th>TOPIC</th><th>Wiki</th></tr><tr><td>ARCHITECTURE FLOWS</td><td>ARCHCOM: InfoFlow - RunTime Config DB Information Flow</td></tr><tr><td>COMPONENT DESCRIPTION</td><td>ARC RunTime DB Component Description - R6 Frankfurt</td></tr><tr><td>PROJECT PROPOSAL</td><td>RunTime Config DB Project Proposal (Oct 25 2019)</td></tr></table> <p>Team is working to define the Proposal (see wiki).</p> <p>Then it will be presented at the Arch S/C and then TSC.</p> <p>Sync with Sandeep - will meet with Sandeep Fri 7 2020. Ted Johnson. Existing interface.</p> <p>For R6, will be part of CC-SDK. Met with Yuriy Malakov & Dan Timoney . CONFIGURATION PERSISTENCE SERVICE R6 not a separate component in R6.</p> <p>CMNotify - The DCAE, CMNotify VES event (proper) are pushed to R7</p> <ul style="list-style-type: none">• STEP 1 GENERATE: xNF (RAN Simulator) GENERATES a VES CMNotify - Wipro SON (R6)• STEP 2 RECEIVES: DCAE VES Collector RECEIVES the CMNotify - Nokia (R7)• STEP 3 DCAE: DCAE PROCESSES Event- Nokia (R7)• STEP 4 DMaaP: DCAE PUBLISHES onto DMaaP - Nokia (R7)• STEP 5 LISTEN: CCSDK (Controller) LISTENS to DMaaP - SandeepShah (R6)• STEP 6 RTCfgDB: RTCfgDB UPDATES with info - SandeepShah / Techmahindra Devendra Chauhan (R6) <p>Feb 3-7 Nokia has confirmed that Step 2/3/4 is in R7 due to VES review.</p> <p>Meeting setup with Sandeep - R7 planning. Need to make a presentation for Alla's call: ONAP Use Case / Requirements Teams Process Way of Working (WoW)</p> <p>R7 - Decide if we can to be a separate component. need to find a PTL lead. 14 Feb 2020</p> <p>Automation tool integration. Schema details.</p> <p><input type="checkbox"/> Read the Docs entry https://onap.readthedocs.io/en/latest/submodules/integration.git/docs/docs_usecases.html navigate to USE R GUIDES > VERIFIED USE CASES.</p>	TOPIC	Wiki	ARCHITECTURE FLOWS	ARCHCOM: InfoFlow - RunTime Config DB Information Flow	COMPONENT DESCRIPTION	ARC RunTime DB Component Description - R6 Frankfurt	PROJECT PROPOSAL	RunTime Config DB Project Proposal (Oct 25 2019)
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Network Slicing R6 Proposal	<div>Borisla v Glozman</div> <div>Shankar PN</div> <div>Swami nathan Seetharaman</div> <div>LIN MENG</div>	<p>Update on slicing proposal. SO/Seshu presented.</p> <p>Multiple functional requirements/Use Cases. Recursive orchestration of nested services. Didn't want independent W/F for flows but try to leverage/reuse work. Presented the End to End U/C with macro-view for E2E slice. and components impacted. Right now impact will be on SO, OOF, Policy, SDC and AAI. What controller will be used for managing slices? Focusing on design aspects and instantiation and activation. Put up logical E2E slice. Target simple VNFs. Focus to create VNF vs reconfiguring a VNF? Slice segments are going to be both dedicated/shared. Started with discovering existing resources; assume segments created with VNF/PNFs in inventory & discoverable. Spinup new slice instances.</p> <p>02 Jan 2020:</p> <ul style="list-style-type: none"> • (1) ROADMAP - Proceeding with detail, developments for roadmap beyond R6. • (2) API - defining API in progress. • (3) PoC - Prototype of PoC from Orange focusing on VNF-portion. • (4) SO - Implementation in SO W/F and hierarchy using Svc ref concept to be discussed beyond R6. • (5) ORCHESTRATION - documentation what will ONAP do wr.t. slice orchestration • (6) MODELING - Discussing Modeling aspects, how to represent CSI, NSSI, NSSMF etc how to implement in SO how to communicate w/ external domain NSSMF. • (7) VID - Discussion: Milind Jalwadi <ul style="list-style-type: none"> ◦ JSON based screens for VID, <i>Is there a slicing GUI that could be re-used.</i> ◦ would want to upstream that NSST NSSD ◦ Part of the Network Slicing Use Case. <p>Presentation/slides at: NETWORK SLICING PoC in R6 Frankfurt (Obsolete)</p> <p>13 Feb 2020 - Development is proceeding. Start R7 release in next couple of weeks. Next week there will be presentation on requirements for R7.</p> <p>R4 in 3GPP 28.541 - implemented as part properties of a service. didn't create separate TOSCA type for slice profile. Plan to introduce new service for service & slice profile properties in 3GPP those are recent doc updated in january. introduced many new properties from GSP. You've modeling team presentations were made, platform updated w/ network slicing.</p> <p><input type="checkbox"/> Read the Docs entry https://onap.readthedocs.io/en/latest/submodules/integration.git/docs/docs_usecases.html navigate to USE R GUIDES > VERIFIED USE CASES.</p>
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ORAN /3GPP ONAP Harmonization U/C	<p>Vimal Begwani</p> <p>Marge Hillis</p> <p>Dongho Kim</p>	<p>Trying to settle on scope of the Use Case. List of many possible contributions that will take more than one release to complete. Impacts for items to be added to wiki (analysis).</p> <p>Prioritize the work items what we could propose to accomplish.</p> <p>CM Notify as a new domain has been accepted on the DCAE S/C today Oct 24 2019.</p> <p>Dongho Kim will be creating the test/integration page.</p> <p>21 Nov 2019 - A1 & O1 test integration pages have been added & links. DongHo Kim leading the Integration</p> <p>02 Jan 2020 Sandeep code was merged w/ SDN-C branch. Current container has the latest code. Continuing to test. In AT&T lab now being tested</p> <ul style="list-style-type: none"> ■ Harmonization U/C - Some things pushed out (Partial Green) at M2/M3 - O1 enhancements moved to G release hoping to harmonize (1) Fault & (2) Config change Notification (CMNotify) Thus CMNotify will be pushed to R7. Meetings to harmonize 3GPP standards. Waiting for Standards to be Harmonized. Intentionally descope something so that we don't cause churn. Don't want to implement something that would have to be re-implemented. Don't want to implement something that would have to be re-implemented. Trying to get VES SMEs engaged. But won't make R6 because of the timeframe. The VES Specs does need to be updated (see next point). Trying to align ORAN, ONAP & 3GPP aligned. ■ ONAP 3GPP CONVERGENCE MEETING Dave Kinsey didn't agree option that was optimal wanted to discuss option he proposed. Wanted to bring in VES ppl to look at options. David Smith created & leading the meeting. Should invite Oskar Malm, Cormac Mullally, Mark Scott. Looking at options to populate the common header such that events w/ opaque payload can be fadded to correct DMAAP topic. to harmonize ONAP different standard standards defined things. Meeting to be held 27 Feb 2020 to make more progress. ■ CMNotify for PoC/Demo - R6, OOF-SON-PCI & the RunTime Config DB U/C needed the CMNotify, Sandeep Shah said they had a simulation of CMNotify for demo purposes. ■ INTEGRATION - Update from Dongho Kim for A1 interface: (Feb 13 2020) Dongho talked to Sandeep 27 Feb 2020 A1 adaptor unit-test bug fixed & tested. No automation yet. Check with Dan Timoney. Testing was done with A1 mediator from A1C repo south-bound, no device compliant to A1 spec, Sandeep used SW using A1 mediator. ■ VES Spec updates - DCAE project next week to discuss how to proceed. Need to make sure it is one w/ the correct content. DRAFT 4. Alok G. is on medical leave, and Albino Pinho / Trevor Lovett is the current delegate. PM schema update needed. Security change. Trevor has sent out a review. CRs are posted. Does not include the Fault & CMNotify (will be in VES 7.2 which is in R7). Gerard Hynes pulling in VES experts. David Kinsey looking at Harmonization options. David Smith (ATT) Jean-Michel Corneley (Orange) to discuss options for Harmonization. Should happen before DCAE call. From Ericsson Oskar Malm has forwarded. Gerrit Review open for VES event listening & VES registration. Pulling these documents into READTHEDOCs: https://onap.readthedocs.io/en/latest/submodules/vnfrqts/requirements.git/docs/Chapter7/index.html . Re-reviewing the deltas from last Red the docs updates. Trevor going over comments. deltas from Dec 10, 2018. CMNotify NOT in version associated with R6. Gerrit Review: https://gerrit.onap.org/r/dashboard/self 27 Feb 2020 VES spec in the ReadtheDocs, meeting held to discuss issues Monday Feb24 & Wed Feb26. VNF or PNF requirements Documentation > Appendix > Service: VES Event Registration 3.2 ... ■ ACTION: Marge Hillis - VNF-Requirements. Zu: this is not in the normative text format ("should"=recommended "may"=optional & "shall"=must opening statement of everything in this doc is "mandatory" ? or not??) some things should move to the VNF-requirements project (many people made comments to that end). Requirements there are there need to follow conventional req language. Reach to Trevor ■ Read the Docs entry https://onap.readthedocs.io/en/latest/submodules/integration.git/docs/docs_usecases.html navigate to <u>USE R GUIDES</u> > <u>VERIFIED USE CASES</u>
OOF SON PCI	N.K. Shankaranayan	<p>09 Jan 2020 From SDN-R when we send config change align to NetConf Yang model avail. whatever yang model used, want config DB schema to be aligned w/ yang model to keep model driven. wanted Yang Models from ORAN if possible. In license catch-22. Some yang models for RAN on ORAN website due to licensing issues from Martin Skorupski took 3GPP model converted to files to compile. Issue w/ ORAN getting ok from 3GPP that it is a valid rep of 3GPP model. Option (1) use previous yang model, or (2) switch to ORAN model if available immediately. yang to SQL schema. Only need some parts of the model for SON project. Currently MariaDB continue to use. Piotr, Marek, et al. If there are useful file wo/ IPR issues, should be a way to use interim files.</p>
WoW w/ Model & Arch		<p>Way of Working between Architecture , Modeling Subcommittee & Use Case Teams and what happens and touch-points at M0/M1 /M2/M3.</p> <p>Modeling Way of Working / Process:</p> <p>Proposed ONAP Release Process Updates for Information and Data Modeling</p> <p>Use Case Way of Working / Process</p> <p>Use Case WoW Process: ONAP Use Case / Requirements Teams Process Way of Working (WoW)</p>

Use Case Template	5G U/C Team Andy Mayer Scott Blandford	<p>Use Case Template - discuss updating the Use Case template & pages with some of these fields. Modeling team has said it would be useful for them to have the pre-condition & post-conditions, and information being passed (info-flows) documented.</p> <p>Proposed Functional Template for Use Cases (driven from MEF/TM Forum) - showing interactions & information flows.</p> <p>Use Case Template</p> <p>Filling out, describing and creating the Wiki for a Use Case</p> <p>Use Case Tracking Template and Use Case Template</p> <p>Ben talked w/ Andy Mayer U/CR call Oct 23. He said he is preparing the page, and would present here at the 5G U/C S/C call.</p> <p>REQUIREMENTS SUBCOMMITTEE - requirements sub-group / not bring use cases any more, refer to them as requirements. / proposed change talk less about architecture in requirements mtgs & reviews. more clear split between req & arch discussion. / Alla Goldberg changed U/C S/C to Requirements S/C. Security and ctl loop req will be discussed in those S/C; other things should go to Req S/C.</p> <p>Monday - 03 Feb 2020 - what input for Req review; should not go into realization aspects should be moved out of req review. What type of info & how much info at M0. when just reviewing proposed req. Andy has said Proposed Functional Template for Use Cases this is ready to go live.</p> <p>1. New Use Case Template: Andy Mayer presented on new additions to Use Case Template: Use Case Tracking Template proposed for R7. If a U/C is extending from a Prior Release should we convert to new Template, or can we maintain. Use cases should to link to new req in the proposals.</p>
PM Dictionary, 5G NRM	5G U/C teams	Chaker Al-Hakim - History Inventory resources associated w/ xNF. Assumptions: what are the resources that I need to inventory about a xNF so that I have a complete view of the VNF. parms added due to nature of VNF. resource inventory didn't have to do with provisioning data that the xNF can have. Should be evolved to reflect what we know today.
PNF Pre-onboarding/onboarding	PNF U/C teams Benjamin Cheung	
PNF / SW Upgrade	Zu Qiang (Ericsson)	<p>Reviewed with SO team.</p> <p>Preparing for DDF. will discuss with Change Management team, might be presenting. R6 in progress.</p> <p>Should be able to update/merge all Jiras by M4. No big risk. Integration RC0-RC2</p>
5G/Bulk PM	Oskar Malm	<p>Preparing presentations at DDF in Prague in DDF for R6 BulkPM functionality in Jan 2020.</p> <p>Demo in Dec 5, 2019 - R4 functionality. PM control part is green; the other bulk PM for certificate handling has dependency with</p> <p> REQ-140 - Create Client, Plugin using Client and mechanisms for using CMPv2 as a CA. DONE</p>
PNF / NetConf	Oskar Malm	Basic U/C unchanged, support for NetConf over TLS. What is being worked on in R6 is to have a improved functionality around certificate handling. When you have a TLS 1.x for authentication for ONAP so the NF when it connects to ONAP it is a valid xNF. Authenticate user cert ONAP needs to get the certs from somewhere - a centralized solution w/ AAF. and connect to ext. PKI via CMPv2. ONAP component minimum version TLS 1.2. Dependency to REQ-140
PNF / Plug and Play	Benjamin Cheung	<p>held meeting for discussing Civic Address elements & Geolocation information w/ the modeling S/C</p> <p>PnP - PNFD/SDC AID/AAI Schema Modeling - Discussion Jan 2, 2020</p> <p>Eventually will the PNFRegistration VES event for PnP (R7).</p> <p>SO presentations related to Building block definitions. Dependency to REQ-140. Option #2 new arch. is agreed. Option #1 continue w/ old. Use Case Realization Call: February 19, 2020</p> <p><input type="checkbox"/> Benjamin Cheung Find out if - will we support >1 PNF instance / template per service 5G Service (Run-Time). Plan to test /Integration how to do the instantiation. Use CLI to do instantiation, limitation in SO workflow limitation in controller, PRH.</p>

R6 Use Case VS Requirements	All in 5G U/C	<p>TSC Release Page.</p> <p>Frankfurt Release Requirements</p> <p>WHAT IS A USE CASE VS A REQUIREMENT? In the REQUIREMENTS Table of the R6 Release Requirements Wiki (above) the Use Case requirements as discussed on the TSC call for Sept 12, and David McBride has asked that we have requirements (jiras) on separate rows. Further follow-up discussions will be had for "what is a use case" and if some of the 5G use cases should be moved up to the first table.</p>
5G Service Modeling U/C	Benjamin Cheung	<p>WIKI: 5G RAN SERVICE MODELING & DEFINITION in R6 Frankfurt</p> <p>CDS Data dictionary - Define attribute, in that entry tells you how to get that value. Yuriy Malakov</p> <p>If you needed the IP@ you can go that entry points to the REST call. Used for instantiation and configuration management. Model driven ONAP. Modeling Concepts</p> <p>3GPP TS28.541/TS28.540 - 5G NRM Network Resource Model analysis (spreadsheet). Looking parameters introduce</p> <p>Classify parameters - CDS Data Dictionary, A&AI, RunTime Cfg DB.</p> <p>Presentations - Modeling S/C, U/C S/C, U/C Realization, 5G U/C.</p> <p>Modeling S/C - Experimental info model introduced (standards driven)</p> <p>A&AI - classification of A&AI parameters. Commission (might need at installation & commissioning) A&AI.</p> <p>Onboarding - Onboarding, PNF PNFRegistration, CMNotify (VES events), Pre-defined "load 3GPP model"</p> <p>Information Flows - Where these might be used.</p> <p>ORAN Standards - Usage of the 3GPP TS28.541 in ORAN Standards. Might want to consider which 3GPP parameters ORAN cares about & when. They might an opinion of when to incorporate parameters.</p> <p>Presentation at Use Case Realization call 29 Jan 2020</p> <p>Use Case Realization Call: January 29, 2020 - next step to present to Modeling S/C.</p>
CMPv2 Security (AAF enhancements)	Pawel Baniewski Hampus Tjader	<p>M2/M3 CMPv2 & AAF status - CMPv2 GREEN at M2/M3 right now.</p> <p> REQ-140 - Create Client, Plugin using Client and mechanisms for using CMPv2 as a CA. DONE have committers now. AAF S/W. CMPv2 protocol.</p> <ol style="list-style-type: none"> REPO Avail - Nokia has created a repo, discussing architecture now. Access - Confirmed, we can access the Repo. Deliveries - Nokia planning to deliver the <i>CertService</i> (accept request from client), <i>CertService Client</i> (init container w/ ONAP apps), and integration with external CMP v2 service. Integration to Border Components - Integration with ONAP modules, DCAE/VES, SDNC, DCAE/DFC very likely to be postponed to R7. High Risk The ONAP "bordering" components. Consequences - in scenario where you int ONAP w/ external function won't be able to dist cert generated in external Cert. Authority (CA) within ONAP; thus would still be able to integrate a NF to ONAP but would need to distribute manually bring the certs to ONAP. The Automation of distribution would be missing. The NFs contact the CAs to get certs. Integrate ONAP w/ CMPv2 w/ CertSvc to same Ext. CA. Integrate the xNF gets the cert to Ext. CA. ONAP gets matching trust anchors from same Ext. CA, loaded to an ONAP component. CertSvc bought back dist. within ONAP volume where cert is stored & consumed by ONAP component. 3GPP requires/originated. Consumes maximum of what 3GPP has. Slides -  ONAPARC-553 - AAF impacts for CMPV2 feature in REL F / Content CLOSED Integration - Separate integration efforts. 140 is the common part in AAF, including client component that can be reused, there is integration work which have separate requirements. This creates a dependency on those other requirements, being delivered with enough time to do integration. Plug and Play, Bulk PM, NetConf - CMPv2 PnP got descoped, secure Bulk PM is descoped, NetConf is proceeding see: Frankfurt Release Requirements REQ-76 - If we manage to complete the integration into SDN-C (REQ-76) additional integration related to that.  REQ-76 - NETCONF/TLS Certificate Management DONE DEMO - Plugfest in June 2020 it might be nice to demo something.

SUPPORTING SLIDES

Document	File
Presentation	

RECORDING

Recording	File
MP4 (Video + Audio)	? Unknown Attachment
Audio Only	? Unknown Attachment
M3U, Chat	? Unknown Attachment ? Unknown Attachment ? Unknown Attachment