

2020-10-28 Meeting notes (ONAP/O-RAN-SC/SMO - Meeting)

Date

28 Oct 2020 | 7am PST | 11am EDT | 16:00 UTC | 17:00 CET |

Zoom: <https://zoom.us/j/436210993>

Attendees

- [Alex Stancu](#)
- [John Keeney](#)
- [Mahesh Jethanandani](#)
- [Claudio David Gasparini](#)
- [Swaminathan S](#)
- [@Anh Le](#)
- [Michela Bevilacqua](#)
- [Kamel Idir](#)
- [Kuldeep Negi](#)
- [@Abinash Vishwakarma](#)
- [@Dmytro Gassanov](#)
- [Grzegorz Wielgosinski](#)
- [Joachim Blixt](#)
- [Lasse Kaihlavirta](#)
- [Lathishbabu Ganesan](#)
- [Manoj Nair](#)
- [marcin krasowski](#)
- [Paulo Costa](#)
- [Pawel Slowikowski](#)
- [Scott Blandford](#)
- [Sonia Sangari](#)
- [subhash kumar singh](#)
- [Martin Skorupski](#)

Please add yourself. Thanks!

Informed

- [Andrea Buldorini](#)
- [Alexander Dehn](#)
- [@John Ng](#)
- [George Clapp](#)
- [Herbert Eiselt](#)
- [KAPIL SINGAL](#)
- [Tracy Van Brakle](#)

See also

- [2020-10-28 Meeting notes - Joint OAM / NONRTTRIC / SIM / SMO SCRUM meeting](#)

Goals

- share information between
 - O-RAN-SC Non-RT-RIC
 - O-RAN-SC OAM
 - O-RAN-SC SMO
 - ONAP CCSDK/SDNC/SDN-R
 - LFN 😊

Recording

link to the zoom ([mp4 format](#))

Discussion items

Time	Item	Who	Notes
00:00	Admin	Martin Skorupski	<p>Next meeting: 2020-11-04</p> <p>Summer time ends in NorthAmerica Sunday 01-11-2020</p> <p>16:00 UTC / 8am PST/ 11:am EST / 17:00 CET - usually in summer</p> <p>17:00 UTC / 9am PST/ noon EST / 18:00 CET - usually in winter</p>
00:10	O-RAN-SC	O-RAN-SC PTLs	<p>Status reports:</p> <ul style="list-style-type: none">▪ SMO:<ul style="list-style-type: none">▪ ref definition using ONAP tools for packages▪ YANG test infrastructure deployed in BedminsterLab▪ Non-RT-RIC:<ul style="list-style-type: none">▪ A1 enrichment info▪ extending A1-sim<ul style="list-style-type: none">▪ tests▪ R1 app catalog - inti version▪ SIM:<ul style="list-style-type: none">▪ see YANG part of SMO▪ TOC: copyright issue - are we allowed deploy yang models.▪ OAM:<ul style="list-style-type: none">▪ see YANG part of SMO 😊▪ review of O-DU O1 implementation
00:20	Calendar	Swaminathan Seetharaman	<p>Martin – 1 point: Based on the recent guidelines from LFN, we should enable password/passcode, and also waiting room for zoom meetings. Let's discuss this also in the call today.</p> <ul style="list-style-type: none">• update the wiki - check ONAP/O-RAN-SC/SMO Meetings done• Move the SDN-R meeting pages under https://wiki.onap.org/pages/viewpage.action?pagelId=24641575 to another new parent page. Retain only the ONAP/O-RAN SC/SMO meetings pages. done• After doing (1), move https://wiki.onap.org/pages/viewpage.action?pagelId=24641575 and its child pages under the main page https://wiki.onap.org/pages/viewpage.action?pagelId=92997582. done

00:25	Use Case	Swaminathan Seetharaman	<p>Use Cases</p> <p>Please see page #2 for details: 5G Use Cases in R7 Guilín -</p> <p>very first view - to be discussed further:</p> <ol style="list-style-type: none"> 1. BULK PM –PM control <ul style="list-style-type: none"> • 100% aligned with O-RAN interface specification; use case was demonstrated several times proposal: Check updates of 3GPP pm xml file format and updates of VES messages 2. OOF -SON PCI (5G) <ul style="list-style-type: none"> • use VES 7.2 - reference will be in O-RAN specs. • use 3GPP NRM - see https://forge.3gpp.org/rep/sa5/MnS/ 3. 5G SERVICE MODELING & DEFINITION (5G) <ul style="list-style-type: none"> • use VES 7.2 - reference will be in O-RAN specs. • use 3GPP NRM - see https://forge.3gpp.org/rep/sa5/MnS/ • open: Integration of A1, O2, R1 interfaces and specifications from O-RAN 4. CONFIGURATION & PERSISTENCY SERVICE <ul style="list-style-type: none"> • use VES 7.2 - reference will be in O-RAN specs. • use 3GPP NRM - see https://forge.3gpp.org/rep/sa5/MnS/ • open: is the abstraction by 3GPP and O-RAN sufficient for all the targeted use case - how do μServices, rApps make use of C&PS, if C&PS is device model driven and not service model driven? 5. xNF LICENSING MANAGEMENT <ul style="list-style-type: none"> • not subject of O-RAN (yet) • proposal: defer or contribute terms, definitions, specifications to O-RAN 6. ONAP/3GPP & ORAN Alignment <ul style="list-style-type: none"> • O-RAN O1 data models are augmenting 3GPP data models • A1, R1, O2 data models are subject of O-RAN only 7. ONAP/ORAN Alignment -A1 adapter <ul style="list-style-type: none"> • Detailed alignment/collaboration needed with O-RAN-SC Non-RT-RIC project (John Keeney) 8. 5G NRM (CM) <ul style="list-style-type: none"> • CM is part of O-RAN OAM Architecture and OAM interface specification proposal: as a starting point the 3GPP NRM yang models V16.0.5 from July 2020 should be used - for VES the version 7.2 is specified. TODO: Add link to 3GPP 9. E2E NETWORK SLICING (5G Use Case) <ul style="list-style-type: none"> • Network Slicing is not part of 3GPP NRM so far proposal: waiting for 3GPP and O-RAN specifications
00:30		Lasse Kaihlavirta	<p>POD (Policy-Management-Service) restart required for Guilín</p> <ul style="list-style-type: none"> • investigations ongoing • solution is review ONAP OOM - https://gerrit.onap.org/r/c/oom/+/114366
00:59		Kuldeep Negi	<p>Questions and Answers</p> <ul style="list-style-type: none"> ▪ Non-RT-RIC realted - wiki are on the way to be updated ▪ for O-RAN-SC using DMaaP <ul style="list-style-type: none"> ▪ please see <ul style="list-style-type: none"> ▪ O-RAN-SC OAM: https://wiki.o-ran-sc.org/display/OAM/Deployment and ▪ O-RAN-SC INT: https://wiki.o-ran-sc.org/display/GS/SMO+Installation
END			
Backup			
00:00		@all	<p>Closer collaboration related to use cases</p> <p>Please follow:</p> <ul style="list-style-type: none"> ▪ Requirements and Software Architecture Committee
00:00		@Mahesh	<p>Application Package Structure</p> <ul style="list-style-type: none"> ▪ TOSCA

00:10		<p>Mahesh</p> <p>Postman scripts to interface with the SMO and in turn test O1 interface between the SMO and different parts of O-RAN instances of O-CU, O-DU, O-RU and RIC using these models.</p> <ul style="list-style-type: none"> • yang modules • framework for test and validate CM <p>share content in in SMO Gerrit and create wiki linking to the same source</p> <ul style="list-style-type: none"> • Working on a framework for vendors for OAM/YANG tests • O-RAN-SC to host the framework • Postman and vsCode as RestClients • Alex about to setup a SIM in OSC lab - involve Rittwik in a O-RAN private lab • OpenFronthaul • 3GPP models are considered. <p>Feedback from Rittwik</p> <ul style="list-style-type: none"> • SMO in T-Labs • how to run Netopeer server - req to Felix (O-RAN-SC INT PTL) • Alex asked for VMs <p>Init script (Postman) for O-RAN OAM FH M-Plane (o-ran-interface.yang augmenting) interface demoed</p> <p>RFC8040 (RestConf by IETF) support supported by ODL</p>
00:25		<p>Konrad Baka</p> <p>Konrad is absent this week. The presentation will be made when Konrad is available.</p> <p>O-RAN Component deployment</p> <p>The question is: How to deploy the red colored CNFs/VNFs of the O-RAN-Architecture?</p> <ul style="list-style-type: none"> ▪ CNF for O-RAN-components <ul style="list-style-type: none"> ▪ model of CNF - how to be configured, how many components, blueprints ▪ CDS model needs to be created ▪ Network-service based on several CNFs <ul style="list-style-type: none"> ▪ CNF types <ul style="list-style-type: none"> ▪ Near-RT-RIC ▪ O-CU-UP ▪ O-CU-CP ▪ O-DU <p>For detailed discussion the following page was created:</p> <ul style="list-style-type: none"> ▪ CNF deployment of O-RAN Components <p>Package</p> <ul style="list-style-type: none"> ▪ for Network Functions (priority) ▪ for Network Service (second step) <p>CNFs or VNFs</p> <ul style="list-style-type: none"> ▪ both should be considered <ul style="list-style-type: none"> ▪ let's start with CNFs first ▪ VNF is considered as additional option ▪ no CNFs and VNFs combined in a single package <ul style="list-style-type: none"> ▪ maybe not for rApps ▪ VNF should take care about internal CNFs

Action items

