

# 2020-11-18 Meeting notes - Joint OAM / NONRTRIC / SIM / SMO SCRUM meeting

## Time & Location:



### New Meeting Slot

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We have now moved to new meeting slot Wednesdays at 16:00 UTC in Summer (DST), 17:00 UTC in Winter !

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

*NOTE: During the "Daylight Savings Time" changeover periods (US vs Europe vs Asia) the time of the meetings may fluctuate. See the Calendar: (<https://lists.o-ran-sc.org/g/main/calendar>)*

Summer Daylight Savings time eventually stabilizes to: **9am PDT | 12pm EDT | 16:00 UTC | 17:00 BST | 18:00 CEST | 19:00 EEST | 21:30 IST | 00:00 CST (Thurs) | 01:00 JST (Thurs)**

Winter (non-DST) time eventually stabilizes to: **9am PST | 12pm EST | 17:00 UTC | 17:00 GMT | 18:00 CET | 19:00 EET | 22:30 IST | 01:00 CST (Thurs) | 02:00 JST (Thurs)**

## Date

18 Nov 2020

## Attendees

- [John Keeney](#)
- [Martin Skorupski](#)
- [Mahesh Jethanandani](#)
- [Alex Stancu](#)
- [Abinash Vishwakarma](#)
- [Alessandro D'Alessandro](#)
- [Anh Le](#)
- [Abhinav Singh](#)
- [Amy Zwarico](#)
- [Andrea Buldorini](#)
- [user-4594e](#)
- [Dibas Das](#)
- [Dmytro Gassanov](#)
- [emmanuel sarris](#)
- [Fernando \(Fred\) Oliveira \(Verizon\)](#)
- [Joachim Blixt](#)
- [Kamel Idir](#)
- [Krystian Kedron](#)
- [Lasse Kaihlavirta](#)
- [Marcin Krasowski](#)
- [Manoj Nair](#)
- [Marcin Szalis \(Samsung\)](#)
- [Michela Bevilacqua](#)
- [Paulo Costa](#)
- [Pawel Slowikowski](#)
- [Sonia Sangari](#)
- [Scott Blandford](#)
- [subhash kumar singh](#)
- [Timo Perala](#)
- [Zu Qiang \(Ericsson\)](#)
- *Some others may have joined later ... please add yourself 😊*

## See also / co-located (ONAP/O-RAN-SC/SMO - Meeting)

- Co-located with [ONAP 2020-11-18 Meeting notes \(ONAP/O-RAN-SC/SMO - Meeting\)](#)

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## Recording

[Recording \(mp4\)](#)

## Notes:

### OSC Project roundup

OSC Cherry Rapidly approaching! (Release early Dec)

#### NONRTRIC ([John Keeney](#))

- HTTP(S) proxy function & A1 PMS REST Config functions are now ready & being tested.
- Working on downstreaming A1 Policy functions from ONAP to OSC (considering git-submodule approach. Should not be any procedural issue)
  - Lots of work still on updating tests, doc, deployment scripts, release jobs etc.
- End to end tests should be still working from bronze (OTF?). May need extension
- A1 Enrichment Information coordination service & rApp catalog (Stub) Service is ready but need deployment/integration scripts, documentation.
- Will try to maintain option of separate deployment of an A1 controller AND support integrating the A1 Adapter into a common controller instance in SMO.
- A lot of work to do on Documentation in general

#### SMO ([Mahesh Jethanandani](#))

- Will demo app packaging as soon as possible
- App package standardisation will happen in O-RAN WG1 (APP LCM too) - initial proposal already there.

#### SIM ([Alex Stancu](#))

- [Martin Skorupski](#) : Wiki page for Yang validation function is ongoing
  - [Mahesh Jethanandani](#) Would like to include Postman scripts too
- [John Keeney](#) A1 Sim is working fine - includes new A1 versions and now include A1 Enrichment Information client

#### OAM ([Martin Skorupski](#))

- Continuing to update Documentation & videos:
  - Basic FM (DMaaP)
  - Netconf notifications (DMaaP)
  - Basic PM collection - using existing ONAP functions
  - FTP of PM files from O1? Simulator
  - VES client to access PM info

## ONAP - OSC

- [Swaminathan Seetharaman](#) Started blank page to track ONAP Usecases relevant to OS: <https://wiki.onap.org/display/DW/ONAP+5G+RAN+use+cases+in+Honolulu>
- [Zu Qiang \(Ericsson\)](#) Slides from meeting last week about xNF packaging in ONAP (Sent to [John Keeney](#) .... Sorry!) <https://wiki.o-ran-sc.org/download/attachments/20877122/ZuQiang-Ericsson-PNFonboard-for-ORAN.pptx>

## CNF packaging [Konrad Baka](#) & @All

- Konrad back to work & will update when he can get back up to speed on this. (Welcome back 😊)

## ORAN O1 model in Bitbucket

- [Kamel Idir](#) Are the versions available in BitBucket final/approved? [Martin Skorupski](#) : No. Under review for November Train, so may be finalized soon?, or may be a couple of months if more time needed in O-RAN WG1.

## End-to-End use case in OSC

- [John Keeney](#) Jack Murray mentioned the need for an end-to-end loop usecase using O1 and A1 at TOC this week: [https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee\(TOC\)-20201118](https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee(TOC)-20201118)
- Discussed some possible options (All need proper discussion later to check feasibility):
  - Front-haul-based
    - If FH node goes down (manually? or script) a FM (VES) fault could be raised to SMO from O-DU
    - Picked up by an rApp in SMO/NonRTRIC from DMaaP
    - Simple rApp reacts with a O1 change (to O-DU? or O-RU?) to make some noticeable change. Current sample can bring the O-RU back up.
    - Can use Calls as seen in Postman scripts mentioned above
    - O1 SIM can be used to simulate O-RU, O-DU(?) & send VES event ...
    - No A1!
  - Near-RT-RIC
    - Draft netconf O1 for nearRTRIC is available but not mature/spec.
    - O1 PM or O1 FM update from near-RT-RIC (FM or PM FTP?)
    - Picked up by an rApp in SMO/NonRTRIC from DMaaP
    - Simple rApp reacts with an A1 policy or O1 change to nearRTRIC/xApp
  - nearRT-RIC & E2 (More ambitious)
    - Could include O-DU (O1 source & O1 target & E2 target) ?
  - All to be discussed more for Dawn.

## R1 etc

- [Manoj Nair](#) Might be an issue with some functions using CDS? Is NonRTRIC CDS? [John Keeney](#) [Martin Skorupski](#) Not defined yet. Should have an App above NONRTRIC/SMO and this is where app logic is. But R1 is so immature. Some interfaces are there, but cannot yet call these R1. contd . below
- [Manoj Nair](#) If there are different controllers etc what does interface between NONRTRIC & SMO look like?
- [John Keeney](#) Discussion on an interface between NONRTRIC & SMO is just starting in O-RAN Alliance. Its Far to early to have any opinion on what that might look like. But Cannot see how it could possibly be implemented while scopes are so vague.
- [John Keeney](#) R1 interface between rApp - NONRTRIC and rApp - SMO is a bit more feasible, but again discussion is still too immature. Currently we have some NBIs, not R1.
- [Pawel Slowikowski](#) What would an interface look like for rApps to use SO, Policy, CM etc look like in ONAP ... not a simple interface, and very SMO-specific.. [John Keeney](#) Lots of discussion needed here!
- [John Keeney](#) To All ... Please take these questions to your representatives in O-RAN Alliance. R1, rApps, etc are just too immature at this stage.

## More on OSC vs ONAP CNF packaging

- [Pawel Slowikowski](#) Mentioned again xNF packaging already in ONAP (ref [Zu Qiang \(Ericsson\)](#) last week), will there be alignment? What is OSC's plan for ONAP. [Mahesh Jethanandani](#) No plan for ONAP. Will be done in OSC? Will be defined in O-RAN WG1.
- [Pawel Slowikowski](#) No concrete CNF solution in ONAP yet (some options but not progressed yet).
- [Pawel Slowikowski](#) If a new different approach is defined in O-RAN/OSC who (no-one) will implement this in ONAP? Lots of requirements around SDC, SO, A&AI, etc. A lot of work! [Mahesh Jethanandani](#) Someone?

## Non-RT-RIC in ONAP

- [Manoj Nair](#) So where will the nonrtic exist? In ONAP? [Mahesh Jethanandani](#) In the SMO .... [Manoj Nair](#) Will there be an interface between NONRTRIC & ONAP [John Keeney](#) Suggestion that an interface might be defined between SMO & Non-RT-RIC in O-RAN. Cannot see how/why this is possible in ONAP - especially if R1 provides a mechanism for open/multi-vendor modularity of logic in Non-RT-RIC.
- [Manoj Nair](#) NONRTRIC is CDS or SDNC? [John Keeney](#) No. NONRTRIC does not do O1 CM. The A1 adapter might reside in a controller - maybe the same controller as O1 CM, but they are different functions. Plus NONRTRIC is much more than just A1 Adapter. The actual interface used by the rApps will be R1 ... the mapping R1 ONAP controller NBIs is not trivial and very different in other SMOs ....
- [John Keeney](#) Please bring these discussion to O-RAN Alliance via your respective representatives there.