

2023-11-21 Meeting notes - Joint OAM / NONRTRIC / SIM Community meeting

Time & Location:



Meeting Detail: Times & Joining Info

Tuesdays at 15:00 UTC (14:00 UTC in Summer DST Northern Hemisphere)

<https://us02web.zoom.us/j/89069708424?pwd=aGJOZm54eTUxd0FXR0VCU1N0ejBrUT09>

- Ensure you are signed into your Zoom account to join.
- Meeting ID: **890 6970 8424**. By Phone: Dial in ([Local numbers](#)): You will need a Participant ID so you will need to join the meeting from a Zoom client first to get this.
- **Calendar:** <https://lists.o-ran-sc.org/g/main/calendar>
- **NOTE:** During the "Daylight Savings Time" changeover periods (US vs Europe vs Asia) the time of the meetings may fluctuate.
 - Winter (non-DST) time (Q4, Q1) eventually stabilizes to:
7am PST | 10am EST | 15:00 UTC | 15:00 GMT | 16:00 CET | 17:00 EET | 20:30 IST | 23:00 CST (Thurs) | 00:00 JST (Thurs)
 - Summer Daylight Savings time (Q2, Q3) eventually stabilizes to:
7am PDT | 10pm EDT | 14:00 UTC | 15:00 BST | 16:00 CEST | 17:00 EEST | 19:30 IST | 22:00 CST | 23:00 JST
 - (During WinterSummer DST changeover follow US time. SummerWinter DST changeover follow Europe time)
- Meeting ID: **890 6970 8424**
- You will need a **Participant ID** so you will need to join the meeting from a Zoom client first to get this.
- Dial in: ([Local numbers](#))
 - +1 646 558 8656 US (New York)
 - +49 30 5679 5800 Germany
 - +49 69 3807 9883 Germany
 - +353 1 240 8941 Ireland
 - +46 8 4468 2488 Sweden
 - +46 8 5016 3827 Sweden
 - +358 3 4109 2129 Finland
 - +358 9 7252 2471 Finland

Please checkout the calendars:

- <https://lists.onap.org/g/onap-meetings/calendar>
- <https://lists.o-ran-sc.org/g/main/calendar>

Anti-Trust Notice

- [Antitrust Policy Notice](#)
- [Antitrust Policy](#)

Date

21 Nov 2023

Attendees

- [John Keeney](#) (Ericsson EST & OSC NONRTRIC)
- [Martin Skorupski](#) (Highstreet & OSC OAM)
- [Alex Stancu](#) (Highstreet & OSC SIM)
- [James Li](#) (CMTI & OSC INT)
- [N.K. Shankaranarayanan](#) (ONAP)
- [Raviteja Karumuri](#) (Ericsson EST)
- [Denis G Noonan](#) (Ericsson EST)
- [Aravindhan Ayyanathan](#) (Ericsson EST)
- [Rohith Rajneesh](#) (Ericsson EST)
- [bimo fransiscus asisi](#) (NTUST)
- May not have captured a full attendee list for this meeting ... please add/remove yourself 😊

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

- Co-located with [ONAP 2023-11-21 Meeting notes \(ONAP/O-RAN-SC/SMO - Meeting\)](#)

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 - Questions / Comments / AOB:

Recording

- [Recording \(MP4 - lo res\)](#)

Notes:

Housekeeping:

- Upcoming Meetings:
 - 2023-11-21
 - 2023-11-28
 - 2023-12-05
 - 2023-12-12 (Martin ooo)
 - 2023-12-19 (Martin ooo) (John ooo ?) Consider cancelling?
 - 2023-12-26 **canceled**
 - 2024-01-02 **canceled**
 - 2024-01-09 (Martin ooo) (John ooo ?) Consider cancelling?
 - 2024-01-16
- **Calendar:**
 - <https://lists.o-ran-sc.org/g/main/calendar>
 - <https://lists.onap.org/g/onap-meetings/calendar>
- *OSC SMO project calls now move to its own time slot - alternate Thursdays - **TBC***
 - See OSC RSAC Calendar: <https://wiki.o-ran-sc.org/display/RSAC/calendars>
 - See also OSC Meetings calendar: <https://lists.o-ran-sc.org/g/main/calendar>
 - (Note this meeting to open to anyone, including non-ORAN members)
 - We will maintain this slot for ONAP Alignment, and try flag issues/question to/from SMO meetings.
 - See [OSC SMO Project meeting notes](#)
- See also [OSC AIML Project meeting notes](#)

OSC Project roundup:

News from OSC TOC call last week

- [https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee\(TOC\)](https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee(TOC))
 - Last week's TOC (Thursday):
 - Update about OAI/OSC/OSFG workshop
 - Update from [Alex Stancu](#) about Energy Savings use case (link)
 - No Update from [Seshu Kumar Mudiganti](#) on SMO & Orchestration - Maybe next week ?
 - All PTLs should update wikis & start ORAN Spec compliance
 - This week's TOC (in 2 days):
 - Maybe not happening this week? Thanksgiving Day in US? No update in calendar yet (<https://lists.o-ran-sc.org/g/main/calendar>)
 - Update expected from [Seshu Kumar Mudiganti](#) & [N.K. Shankaranarayanan](#) on SMO-related activities

- OSFG ... Time stabilizing to Monday 5AM PST - but watch O-RAN Alliance Calendar.

NONRTRIC (John Keeney)

- Service Exposure Manager - Started - New function pulling together previous work. Unlikely to deliver in this release
- O-RAN Spec API compliance for R1-SME, R1-DME (TBC), R1-A1, A1
 - A1 & R1-A1 in good state right now.
 - Will continue to make small changes as needed.
 - Working on how to describe outgoing calls
 - R1-DME will likely need a lot of work as R1-DME specs mature
 - R1-SME interface being defined as part of "Service Exposure Manager" (above).
- Making good progress on rApp manager.
 - Adding support for DME integration now.
 - Hope to demo in 2 weeks
- OpenAPI-first in A1-PMS & ICS
 - A1-PMS changes in ONAP CCSDK/oran merged now 😊
 - ICS still to do.
- Pairwise test A1 Policy functions in near-RT-RIC & NONRTRIC
 - Some changes in A1-Mediator in near-RT-RIC plt in H-Release.
 - Working fine in our function tests,
 - Working on Pairwise test for Integration environment -
 - Will need help from [James Li](#) (email)
 - Add A1-PMS & maybe a A1 SIM to near-RT-RIC deployment ? add in some NONRTRIC A1 functions?
 - Current xApp deployed (KPIMon Go) does not use A1 Policies - so we need an A1-enabled xApp to be added
 - [James Li](#) & [Naman Gupta](#) might be able to help. Hello-World xApp should be OK, or Traffic Steering?

SIM (Alex Stancu)

- ONF have a deployed near-RT-RIC. Should consider this for pairwise testing too. (For traffic steering)

OAM (Martin Skorupski)

- O-RAN "planning" tool to visualise & deploy a RAN, and populate topology & inventory
 - Ongoing
 - Now supports handover areas between cells.
 - 1x 5G Core per SMO

OSC Integration / INT (James Li)

- [Alex Stancu](#) [Martin Skorupski](#) - Need to check what version of VES collector we use in IT/DEP & tests. May not be the latest (not sure if O1 PNFRegistration is supported)
- Will be working with Bimo about work in Taiwan Lab - some testing also happening there.
 - [fransiscus bimo](#) Working to generate dataset of Energy Saving use case
 - [fransiscus bimo](#) making progress on the rApp - but work to do about how to describe/package/manage the rApp
 - Will see NONRTRIC rApp Manager Demo below.
 - Working on some sample flows - Would be good to keep in touch with [N.K. Shankaranarayanan](#) - who is assembling SMO-related workflows.

O-DU Vidhu Shekhar Pandey)

- No update this week

SMO (Seshu Kumar Mudiganti)

- No update this week.
- Meeting notes [Meeting notes](#)

RSAC (David Kinsey Rittwik Jana)

- No update this week
- Minutes: [RSAC Meetings](#)

AI/ML platform project (Joseph Thaliath)

- Minutes & Meeting: [Meeting notes](#)
- Calendar: <https://lists.o-ran-sc.org/g/main/calendar>
- No update this week

OSC/OAI/OSFG Workshop (James Li , John Keeney fransiscus bimo)

- Workshop <https://openairinterface.org/joint-osc-oai-workshop-end-to-end-open-source-reference-designs-for-o-ran/>
 - Northeastern University, Burlington, Boston, USA
 - 14-15 November 2023
 - Slides/Recording should be available next week

- Lots of good conversations about labs & interworking - esp Taiwan lab & INT
- Lots of great examples of work already happening using both OAI and OSC - many we hadn't seen before. 😊
 - Very optimistic about OAI/OSC collaboration in future.
 - Lots of candidates emerging for OSFG Blueprint

ONAP Update (N.K. Shankaranarayanan)

- No update this week
- Will discuss next week

ONAP/OSC Usecases (N.K. Shankaranarayanan)

- No update this week.
- Will discuss next week

Disaggregated SMO Flows (N.K. Shankaranarayanan)

- Will discuss next week
 - Extending slide set presented at O-RAN F2F.
 - (F2F version: OSC/WG1 session.
 - Slides: https://wiki.o-ran-sc.org/download/attachments/89784359/dec_smo_flows_v0.6_20231018.pptx?api=v2
 - Recording: https://zoom.us/rec/share/kCgci6A4wZKg3UBB937lnsb3UgiK64BHeWMsUei6A5Dlgl80HcnuXHRDDcGODJtl.B3yYJ8XJ3_O4ccQ0
 - Will present latest version at TOC call this week
 - Lots of changes in O-RAN TR document in last weeks (Nov Train). Trying to keep updated.

LFN DTF

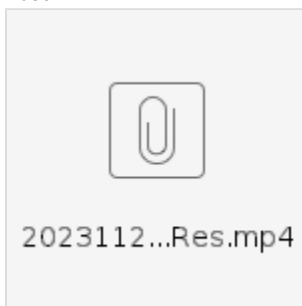
- <https://events.linuxfoundation.org/lfm-developer-testing-forum/>
- 13-16 November, Budapest, Hungary
- Will discuss next week

NONRTRIC rApp Manager - Demo & Discussion (Aravindhan Ayyanathan)

- Slides:



- Video:



- Makes a lot of use of ONAP ACM to support rApps that contain a composition of K8s microservices, ML Models, Policies, Workflows, Configuration, A1 Policy, etc
 - Multiple rApp instances for rApp types
 - rApp is Lifecycle Managed as a single composition of App elements
 - Different Element types are handled by pluggable 'Participants'/Handlers
 - Current Participants: K8s/Helm, A1 policy, ONAP Policy, KServe (ML), HTTP configurator, DME, others
- Adds Service Management & Exposure - SME (Not already supported in ACM)
 - All produced & Consumed services are described in App package, so Service Registration & Service Discovery needs to be handled.
 - Uses NONRTRIC CAPIF Core function
 - R1-SME aligned
- Add Data Management & Exposure - DME (Not already supported in ACM)

- All produced & consumed Data Types are described in App package, so Data Producer Registration & Data Type Discovery & Data Job creation needs to be handled.
 - Uses NONRTRIC Information Coordinator Service
 - Similar to R1-DME
- Prototype rApp Package presented - Not yet Stable!
- rApps, rApp instances have well-defined state models
- Call sequences for various rApp & rApp Instance workflows presented.
- Demo:
 - Show a sample rApp package
 - Deploy & prime the rApp
 - Create one instance - showing all its constituent parts configured, started & running. Service & Data types registered & discovered, Data Jobs created.
 - Delete the created instance - showing all its constituent parts stopped & removed
 - Delete the rApp & its definition - showing rApp environment cleaned up

Questions / Comments / AOB:

- None this week.

Meeting ends 76min