

Meeting 03-29-22 - 5G SBP Off-Week Working Group Meeting

[Meeting Recording](#)

[Chat File](#)

Attendance

Please enter you name and company. Tag yourself using LF ID User Name. Don't have an LF ID yet? Go here: <https://myprofile.lfx.linuxfoundation.org/>.

Name	Company
LJ Illuzzi	Linux Foundation
Martin Skorupski	highstreet technologies (O-RAN-SC OAM PTL)
Ganesh Venkatraman	Kaloom
Kenny Paul	LFN
Ranny Haiby	Linux Foundation
Bob Monkman	Intel
Suresh Gorijavolu	Wavelabs
Amar Kapadia	Aarna Networks
Tracy Van Brakle	AT&T
Robert Edwards	MATRIX Software
Ike Alisson	Alicon
Brandon Wick	LFN

Agenda:

- Start Recording- helps facilitate minutes and Action Items
- [Antitrust](#)
- Meeting Purpose
- Roadmap Refresh
- Agenda items for April 12 Off-Week Meeting

#####

LF Anti-trust

- We will start by mentioning the project's Antitrust Policy, which you can find linked from the LF and project websites. The policy is important where multiple companies, including potential industry competitors, are participating in meetings. Please review and if you have any questions, please

contact your company legal counsel. Members of the LF may contact Andrew Updegrove at the firm Gesmer Updegrove LLP, which provides legal counsel to the LF.

- [Antitrust Policy](#)

Meeting Purpose

The Off-Week Working Group Meeting is intended to be a deep dive working session on particular work stream item(s) within the 5G Super Blueprint. While any subject(s) related to the 5G Super Blueprint may be discussed, this meeting is not intended to be an overall status update of the 5G Super Blueprint. The overall status of the 5G Super Blueprint is discussed on the alternate Tuesday meeting.

Roadmap Refresh

- Roadmap refresh presented by Amar
 - Continue community feedback on roadmap proposal
- Start building out a workplan
- Magma 1.7 should be released this week.
- April will be a slideware update for ONEEF
- October will be live demo
 - Faraday cage is available at UNH
 - would be good to get an RAPP vendor to participate - fall back would be the ORAN-SC RAPP
 - major differences between 5G 17 and 18

Reference Material: [5G Super Blueprint Roadmap](#)

Notes:

Phase 1 Status: They just got Istanbul installed in a stable manner. Will try out soon with hacked up Helm Charts. Magma 1.7 hasn't happened. Suresh: Magma 1.7.0 sometime later this week. Have Helm charts been corrected? It will take more time for this. After 1.7, we'll move features to 1.17.1 and will synch with Aarna team offline. Artifact/Collateral Phase I. What can we show? Suresh, will need to check. This will be a demo (per Suresh).

Phase 2. Status: Working on items in parallel in O-RAN (labs), Can we get some work items documented as a head-start. Aarna, GenXComm. One Summit timeline matches their timeline. GenXComm will be central entity.

Physical task for shipping radio to UNH. License band/unlicensed band, faraday age, etc. UNH has a faraday cage!

Software Integration 1: GenXCom + Magma),

Software Integration 2: GenXComm with ONAP (Aarna)

Software Integration 3: GenXComm with Anuket (Aarna community member TBD)

All these can happen in parallel

Right hand side: MEG Application. Video streaming through Cap Gemini's 5G Core. We can dust off or look at other MEC applications. Phase 2A: Do this by ONE Summit

Phase 2B: Configuration management (Aarna). Monitoring and CLA (coordinate with magma/GenXCom). Catherine has been discussing David: Do you mean configuration of the defined system (Day 0, Day 1, Day 2). Day 0 (done automatically).

Phase 3: Slicing. There's the traditional approach (ONAP style, needs significant slicing functionality in Magma), Technique A. Technique B. Unshared slicing (each slice requires new set of network functions). Need to invite Intel (Srini) to better comment on that one. If Intel style, we could do it even NOW. Don't need all the new features of MAGMA. Non RT RIC, we need a A-RAP? Community member. XRAP for NRT RIC. In Oran SC (non RT RIC type tasks). ORAN-SC (Martin). There are XAPS as Hello World, a kind of micro services, things that can be deployed together. All "cloudified" from a deployment POV. Use case to sit on the Infra. XRAP running on NR RIC. RAPS running in BLANK. Can we find an RRAP community member vendor), then it becomes real. Fallback, sample, simulated R-RAP. Capturing notifications and doing configurations. Phase 2, we need Srini (AMF/SMF to be shared?). Bob to check. Neil: I think a part of that would depend on RAN, something other than fault routing to direct traffic to the right instance. If E2E, slicing, RAN. Check Release 17 + Release 18 on slicing, 5G Advanced, user equipment.

Feedback; Offweek sessions more productive for working teams.

Bob: Logistics: call next week, 8:00 AM PT? 15:00 UTC was edging out the other option.

Agenda items for April 12 off-week meeting

- TBD

Reference:

Workstreams

- ONAP/Magma Integration #1
 - 08 Mar 2022 - CBA and Helm repos. Louis/Yogen need to unstick check-in issue.
 - 22 Feb 2022 - Ran out of time for update
 - 08 Feb 2022 Yogendra: Working on a Helm chart issue by splitting them up. Access gateway. Small infra changes. We'll then be taking up the Magma orchestrator. Is there any specific help from Magma needed (Suresh)? Yes, that would be a great help (orchestrator charts). Suresh and Yogendra to synch offline. Helm chart fixes will require namespace changes (the ideal path). There is also a workaround to force all namespaces to be the same. The community agrees this is not the ideal long-term solution. It was requested that the Magma community, led by Suresh (Wavelabs) work with Yogen to package the Helm charts with namespace corrections as the long-term solution. Suresh to consult with Magma community if this will lead to any conflicts with Magma namespace as it exists today.
 - 22 Mar 2022 - Update from Aarna: The action item is to try workaround in Helm charts on ONAP Istanbul release. We have been facing challenges with ONAP (I release) deployment. On one ONAP deployment on the UNH server where we managed to deploy, the ONAP portal is extremely slow, and takes few minutes to respond. We are trying to install on another server but were unable to allocate new servers due to issues with UNH LaaS setup. These are finally resolved, and we are able to allocate a new server on which we will restart ONAP deployment, and then the workaround to deploy Magma with modified Helm charts.
- ONAP/Magma Topic: #2
 - 22 Mar 2022 Kader - have servers and simulators. Waiting on 5G radio.
 - 08 Mar 2022
 - 22 Feb 2022 - Ran out of time for update
 - 08 Feb 2022 Wavelabs + Rebaca making good progress (in Wavelabs lab) on integration. Before Magma 1.7 come out, we'd like to replicate this in the community labs (by cloning). If using Wavelabs for community use, need to address some issues (e.g. jumphost set up as a trusted host). Can a jumphost be set up at Kaloom and/or UNH? Hanen/Suresh/Amar looking into it. Option may be to connect the labs. Reference- UNH lab is used for 5G resources (Amar).
- ONAP/ORAN -SMO Framework workstream
 - Martin- weekly meeting in place on SMO Framework packages. What ONAP group is involved? <https://wiki.onap.org/x/DgmsBw>
 - The team is on the way to turn the "ONAP based SMO package" including O-RAN-SC artifacts like Non-RT-RIC into a broader package, which includes CNFs like Near-RT-RIC and 5G Core(?)
 - Current feature set [available](#):
 - SMO-Package
 - from ONAP: O1-Controller (SDN-R), VES-Collector, Message-Router (DMaaP), A1-Controller, Policy
 - from O-RAN-SC: Non-RT-RIC, hello-world rApp, Topology-service
 - simulated RAN-Package (O-DUs, O-RUs)
 - automated end-to-end O1 (and OFHM) closed loop tests
 - [Documentation](#)
 - Please see [demo recording](#) (start a 10min)
 - on the roadmap
 - add Near-RT-RICs
 - add 5G Core(s)
 - deployment of xApps
 - develop and add more automated end-to-end test cases
 - add traffic analytics tool (e.g. Wireshark)
 - Tracy- proposal to show SMO Framework demo to show capabilities
- ORAN/Anuket workstream
- 5G RAN:
 - 22 Feb 2022 What workstreams can begin now that GenXcomm is onboard?
 - 08 Feb 2022 Need to check in with GenXcom and determine RAN side of 5G SBP (CU/DU). Catherine suggestion: Bring this to the ORAN-SC community (Tracy + Martin). LF Staff to make connection.

Action Items (open)

- ☒ LJ Illuzzi Roadmap refresh
- ☐ Tracy Van Brakle extend invitation to other operator members of ORAN (i.e. Verizon)
- ☐ Heather Kirksey Reach out to outreach committee on Magma Slack #magma-outreach-committee to discuss joint marketing opportunities
- ☐ Kader Khan Suresh Krishnan Create requirements document capturing ONAP requirements for Magma (as discussed on 03/08)
- ☐ Hardik Jain dedicated resource from GenXcomm to work 5G SBP
- ☐ Tracy Van Brakle Any link to Multi-Operator RAN from Dec 2021? Referenced on a previous call.
- ☐ Alex Stancu Help with ORAN implementation
- ☐ Martin Skorupski can add detail and next steps for SMO Framework

Action Items (completed)

- ☒ LJ Illuzzi- SMO Framework packages. What ONAP group is involved?
- ☒ LJ Illuzzi Create wiki to look at the various use cases among communities.
- ☒ Martin Skorupski start putting together use cases among open source communities. Starting point --> ORAN Alignment
- ☒ Amar Kapadia Will update wiki on roadmap