2023 Q1 (Jan, Feb, Mar)

- 2023 03 30
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- 2023 02 16 (MEETING DID NOT TAKE PLACE)
- 2023 02 09
- 2023 02 09
 2023 02 02
- 2023 01 26 (MEETING DID NOT TAKE PLACE)
- 2023 01 19
- 2023 01 12

2023 03 30

Recording

Meeting Recording: link to zoom recording

- 1. Call for Scribe (minutes owner): Thoralf Czichy
 - 1. next scribe: April 2023: China Mobile
 - 2. previous scribe: March: Nokia, Feb: NTT, January-2023: Ericsson, December-2022: Viavi, November: DT, October: Orange, September: Wind River, August: China Mobile, July: Samsung, June: Radisys, May: TIM
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair	х		
China Mobile	Jinri Huang Co-Chair	х	James Li	
Deutsche Telekom	Jakub Nový	х	Ondej Hudousek	
Ericsson	John-Paul Lane	х	John Keeney	
NTT DOCOMO	Masafumi Masuda	х	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	х
Orange	Julien Boudani	х		
Radisys	Ganesh Shenbagaraman		Ankit Barve	х
TIM	Andrea Buldorini			
Wind River	Bin Yang	х	Jackie Huang	
Viavi Solutions	Ultan Kelly	х	Baruch Friedman	
Samsung	Avinash Bhat	х	Hunje Yeon	

^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

- 1. Review and Agree to Minutes of Previous Meeting
 - a. **Decision:** Minutes approval for last TOC meeting: Motion proposed by Andrea Buldorini seconded by Jinri Huang and the motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes (checklist) and Approval
 - a. 2023-03-30: FYI Thoralf added Sridhar's release checklist link in the heading above
- 4. Copyright update
 - a. AP (from 2023-02-23) Jinri Huang: push O-RAN legal to get feedback and get statement from O-RAN legal on how to enforce the SCCP CLA
 - Sridhar Rao I have checked with LF legal. SCCP is already created. LF will be hosting the repo, but it's not a legal entity for SCCP and SCCL (similar to SCP and SCL). It's O-RAN legal.
 - ii. 2023-03-23: David mentioned, for example, scans to be done by O-RAN.
 - Jinri to check what this was about and if it is already resolved. David suggested that under this AP we also need knowledge on process for the checks that

- iii. Jinri Huang To discuss SCCL implementation, a meeting with O-RAN office and some experts is arranged for next week (=last week of February).
- iv. 2023-03-30: no update
- b. AP (from 2023-03-16) Jakub Novy: Check on progress that Jindrich is making. We continue working on a way to publish O-RAN code-like segments.
 - Jakub had a session with Jindrich on what is needed. Next step is with Jindrich. Jakub also had a discussion with WG3's Claudio.
 - Jakub commented that we once this becomes clear, we should talk with other WG. WG3 needs are pretty clear.
 - 2. 2023-03-23, 2023-03-30: no update, O-RAN office is looking for suitable solution. Jakub waiting for Jindrich.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. OSFG discussions
 - i. 2023-03-09,2023-03-16, 2023-03-30: no news.
 - b. O-RAN next phase
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
 - ii. 2023-02-23: James Li Next step is how we are going to execute. First thing is the impact OSC wants to make and the second is CI/CD/CT.
 - iii. 2023-03-02: Jinri: better mapping between OSC work and O-RAN working groups needed. Wish for OSC taking input from O-RAN working groups.
 - iv. 2023-03-09: AP (from 2023-03-09)David Kinsey to discuss with Jinri on what can be done to get this (=better cooperation) forward goal should be refined and then we can come up with a plan. James commented that an e-mail to TOC (not "discuss") mailing list could help to refine this.
 - 1. 2023-03-30
 - a. James: TSC co-chairs requested updated on "O-RAN next phase". Jinri preparing something for next week TSC.
 - b. OSFG/OSC and OAI workshop planned for second half of this year (~September). This is the same as David's AP above under "iv" above
 - v. 2023-03-16:
 - 1. David: we should track what parts of specifications are implemented, e.g., on A1, E2 level
 - David: in f-2-f better to have one-on-one sessions between OSC/OSFG and each WG to focus on topics of interest by WGs.
 - vi. 2023-03-23: Jinri remembers that Alex C. wanted to involve Orange in cooperation between OSC and other organizations (ONAP, OAI, nephio). Julien to check on Orange side
 - 1. AP (from 2023-03-23) Jinri Huang Julien Boudani : arrange a call on the external cooperation topic (ONAP, OAI, nephio. ...)
 - 2. 2023-03-30: not yet discussed. Julien mentioned some doubts on how nephio will fit it. David gave an example of nephio deployment philosophy.
 - a. Seshu Kumar Mudiganti (WR) referred to the work on nephio side: https://wiki.nephio.org/display/HOME/Overview+of+Nephio and to a paper he is workon with Bin Yang
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. Collaboration with OAI
 - i. 2023-03-09: AP (from 2023-03-09) David KinseyOSC and OAI lab connection. The overall goal is to have some result of such a cooperation that can be presented at next O-RAN f-2-f.
 - James also interested in this. David seems to want the connection to be able to deploy from OSC SMO to OAI cloud.
 Also still discussion on OAI licensing and lab usage.
 - c. 5G Super Blueprint status to be considered for H release.
 - i. 2023-03-02: David KinseyTalked with OAI. First step is to connect labs so as to be able to connect elements in different locations. Idea is that this becomes a continuous test environment (CT).
 - ii. 2023-03-30: on hold
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. 2023-03-30: to optimize some of the daily-ran build jobs they will be moved to "on need basis" (cost optimization). See e-mail from Jessica.
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. 2023-03-16:
 - Tacker (as DMS endpoint) and integration with O-Cloud. SMO project continues to develop it, but deployed in central cloud. See also O2DMS in ETSI NFV profile
 - 2. Some flows for O2 interface now defined. Now need a contributor for implementing the SMO part of this. To be checked with Tacker team. Already checking with NTUST team if they have someone.
 - 3. Rittwik: next RSAC call will be about Al/ML workflow and integration
 - ii. 2023-03-23: two presentations were given in RSAC call. One on SMO Decomposition and how that applies to OSC and one on interaction between OSC and ONAP (latter requires more discussion in RSAC). See RSAC meeting minutes link.
 - iii. 2023-03-30:
 - 1. RSAC discussed lab environments. Still plan to keep OAI CU in Taiwan lab only.
 - 2. ODU high contributions from Taiwan team.
 - c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - 1. 2023-02-23: James Li We have started some conversation around O2 integration.
 - 2. 2023-03-16: Worked on O2 integration. Working with Sridhar on Xtesting to bring existing Robot test cases.
 - 3. 2023-03-23: Working on CI/CD/CT integration with some Amdocs platform in some public cloud. RIC platform deployment and testing is used as test case for this proof of concept using AWS. David suggested this to be brought to RSAC (2 weeks from now). Also preferred OSC lab over public clouds like AWS. David also preferred O-Cloud and O2, though. James referred to Bing (infra team) as there seem to be some work with Powder lab on infrastructure team side as well.
 - 4. 2023-03-30: WR applying x testing to cases in it/test for testing of IMS interface.
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - 1. 2023-02-23: Mahesh Jethanandani We just kicked starting our activities. I'd like to ask David Kinsey to light up on the missing functionality.

- iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - 1. 2023-03-09: successfully cleaned up jenkins jobs. Upgrade to JDK17 and springboot 3.
- iv. SUNIL SINGH RIC Applications (RICAPP):
 - 1. 2023-03-09: SUNIL SINGH INFO.yaml for a new repo is now fixed.
- v. Thoralf Czichy Near-RT RIC Platform (RIC):
 - 1. 2023-03-09: Happy to see new contributors: Cap gemini, Parallel wireless and Abhijit (rust CI),
 - 2. 2023-03-16: Supporting deployment of the RIC platform using O2 is currently pending a discussion between James and the SMO project and on Bin Yang to check a helm-only deployment of the near-RT RIC.
 - 3. 2023-03-30: Bin Yang: working on helm charts now. patch set coming soon. David and Bin Yang discussed on different ways of distributing the logic of combining parts into an overarching CNF/VNF.
- vi. (TBD) O-RAN Centralized Unit (OCU):
- vii. Ankit Barve O-RAN Distributed Unit High (ODUHIGH):
 - 1. 2023-03-16: gnb up in Taiwan lab and available for testing with G release.
 - 2. 2023-03-23: waiting for test tool availability in Taiwan lab
- viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
- ix. Martin Skorupski Operations and Maintenance (OAM):
 - 1. 2023-03-23: updating build models related to standard models, so they don't have to be in LF repos.
- x. Alex Stancu Simulations (SIM)
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- xi. Jackie Huang Infrastructure (INF)
 - 1. 2023-02-23: Jackie Huang We are considering to support ARM architecture. We can think about AMD as well. We have a discussion on the O2 compliance testing.
 - 2. 2023-03-09: started porting the INF upstream project to ARM, incl. a demo at MWC on ARM. David asked: is this planned to be in OSC repos. Jackie: yes
- xii. weichen ni Documentation (DOC)
- xiii. (TBD) O-RAN Radio Unit (ORU)
- xiv. Avinash Bhat AI/ML framework (AIMLFW)
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- 8. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 9. Planning for Next Meeting
- 10. Any Other Business (AOB)
 - a. AP (from 2023-03-16) David Kinsey: SMO PTL position is open for a new PTL. Mahesh will have to move on by end of March. Candidates should send a short e-mail with their proposal including their qualifications.
 - Yogendra (Aarna Networks): https://lists.o-ran-sc.org/g/toc/message/869
 - 2023-03-30: Seshu Kumar Mudiganti "SaiSeshu" (Wind River) https://lists.o-ran-sc.org/g/toc/message/870
 - He presented himself in today's meeting.
- 11. Meeting Summary (resolutions, new action items, etc.)

2023 03 23

Recording

Meeting Recording: link-to-zoom-recording

- 1. Call for Scribe (minutes owner): Thoralf Czichy
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair	х		
China Mobile	Jinri Huang Co-Chair	x	James Li	
Deutsche Telekom	Jakub Nový	x	Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	x
Orange	Julien Boudani	x		
Radisys	Ganesh Shenbagaraman		Ankit Barve	x
TIM	Andrea Buldorini	x		

Wind River	Bin Yang	x	Jackie Huang	
Viavi Solutions	Ultan Kelly		Baruch Friedman	
Samsung	Avinash Bhat	х	Hunje Yeon	

- 1. Review and Agree to Minutes of Previous Meeting
 - a. Decision: Minutes approval for last TOC meeting: Motion proposed by Bin Yangseconded by Jinri Huang and the motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
 - a. no items
- 4. Copyright update
 - a. 2023-02-02:
 - i. Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - ii. SCCL dedicated project setup is in progress.
 - iii. SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - b. 2023-02-09:
 - i. Sridhar Rao has submitted the template for a review by the LF legal team.
 - ii. Jinri Huang to reach out to the O-RAN legal/office to get a SCCL CLA template without signature and to explore the possibility to create SCCP under gerrit.o-ran.org instead of gerrit.o-ran-sc.org.
 - iii. SCCL implementation to be discussed with WG3 during the F2F first to figure out what the procedure is and how it gets populated and to see if those are applicable to the other WGs.
 - c. 2023-02-23:
 - Sridhar Rao I have checked with LF legal. SCCP is already created. LF will be hosting the repo, but it's not a legal entity for SCCP and SCCL (similar to SCP and SCL). It's O-RAN legal.
 - AP Jinri Huang: push O-RAN legal to get feedback and get statement from O-RAN legal on how to enforce the SCCP CLA.
 - a. 2023-03-23:
 - i. David mentioned, for example, scans to be done by O-RAN.
 - ii. Jinri to check what this was about and if it is already resolved. David suggested that under this AP we also need knowledge on process for the checks that
 - ii. David Kinsey My suggestion is to work with Thoralf Czichy to make sure we have the procedure to contribute.
 - 1. AP Jinri HuangSridhar Rao to discuss offline how to enforce SCCP CLA.
 - 2. 2023-03-09: Sridhar said meeting held. Next step for Jinri to discuss with O-RAN (TSC)
 - 3. **2023-03-23:**
 - a. Jinri: Is SCCP project established? Sridhar: yes
 - b. Jinri: LF will not enforce SCCP CLA, but O-RAN alliance needs to handle this.
 - c. AP is now closed.
 - iii. Jinri Huang To discuss SCCL implementation, a meeting with O-RAN office and some experts is arranged for next week.
 - d. 2023-03-02/2023-03-16:
 - i. APs still open, no news
 - e. 2023-03-16
- AP Jakub Novy: Check on progress that Jindrich is making. We continue working on a way to publish O-RAN code-like segments.
 - a. Jakub had a session with Jindrich on what is needed. Next step is with Jindrich. Jakub also had a discussion with WG3's Claudio.
 - Jakub commented that we once this becomes clear, we should talk with other WG. WG3 needs are pretty clear.
- 2. 2023-03-23: no update, O-RAN office is looking for suitable solution.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. OSFG discussions
 - i. 2023-02-23:
 - 1. David Kinsey WG3 has agreed to work with us on the procedure (related to code-like segments of specs) so that they can look at how to incorporate into WG10 and WG6.
 - 2. Tracy Van Brakle There is a follow-up OSFG meeting on Friday. I'll send an email.
 - ii. 2023-03-02: OSFG meeting was cut short. John Paul commented that OSFG reflector and calendar should be used.
 - 1. Tracy has been approved as O-RAN OSFG co-chair (together with existing co-chair: Jinri)
 - 2. 48 on site O-RAN demos were shown at MWC
 - 3. last week's OSFG meeting was cut short due to technical issues and Martin ended up hosting it due to issues with the bridge
 - 4. Jinri said he distributed the link for the next meeting by e-mail during the time of this TOC meeting.
 - 5. Jinri encourages everyone to subscribe to the OSFG mailing list
 - iii. 2023-03-09,2023-03-16: no news.
 - b. O-RAN next steps
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
 - ii. 2023-02-23: James Li Next step is how we are going to execute. First thing is the impact OSC wants to make and the second is CI/CD/CT.
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 - 1. David: we should track what parts of specifications are implemented, e.g., on A1, E2 level

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 - 1. AP Jinri Huang Julien Boudani: arrange a call on the external cooperation topic (ONAP, OAI, nephio, ...)
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- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. Matthew Watkinsto follow-up and revert.
 - 1. A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).
 - ii. 2023-02-23: Sridhar Rao I have created a Wiki page for the release checklist.
 - iii. 2023-03-02: Sridhar RaoMatthew Watkins (1) working on fixes related to INFO.yaml changes not actually taking affect. (2) working on "some merge jobs are not running". If you see this, ask LF to run manually.
 - iv. 2023-03-09: Anil Belur updated on out-of-sync issues between INFO.yaml and LF gerrit server (groups). Make sure to always first have verify jobs running before merging INFO.yaml changes. Anil still working on manual cleanup of xapp-frame-rust.
 - v. 2023-03-23: triggers are working again.
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. 2023-03-02
 - 1. Rittwik Jana Ankit requested Taiwain lab to revert to old configuration that is known to work
 - Another request to Luis (Intel) to update to 22 version for ODU-low. Luis to Ankit in separate call: no general update to new version planned, but patches can be applied.
 - ii. 2023-03-09:
 - 1. Ankit next meeting on Monday related to NTUST lab.
 - David send first draft for use cases (cloud discovery, homing function). More coming. Result of this work is also expected to be pushed this to WG1. Rittwik also said that interoperabilty in a decomposed SMO (and OAI being one component in it) would be a good test case. More discussion with OAI needed.
 - iii. 2023-03-16:
 - Tacker (as DMS endpoint) and integration with O-Cloud. SMO project continues to develop it, but deployed in central cloud. See also O2DMS in ETSI NFV profile
 - 2. Some flows for O2 interface now defined. Now need a contributor for implementing the SMO part of this. To be checked with Tacker team. Already checking with NTUST team if they have someone.
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 - vii. Ankit Barve O-RAN Distributed Unit High (ODUHIGH):
 - 1. 2023-02-23: Ankit Barve Development is on track as planned for features. We need some help on how to include the new accounts. I'll send an email to Sridhar Rao (2023-03-02 new committer changes are being worked on)
 - 2. 2023-03-16: gnb up in Taiwan lab and available for testing with G release.
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 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - 1. 2023-03-23: updating build models related to standard models, so they don't have to be in LF repos.
 - x. Alex Stancu Simulations (SIM)

- 1. 2023-03-02: David Kinsey asked if there's an O2 simulator. Answer: nothing exists, no plan for H.
- 2. 2023-03-23: updating build models related to standard models, so they don't have to be in LF repos.
- xi. Jackie Huang Infrastructure (INF)
 - 1. 2023-02-23: Jackie Huang We are considering to support ARM architecture. We can think about AMD as well. We have a discussion on the O2 compliance testing.
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 - Yogendra (Aarna Networks): https://lists.o-ran-sc.org/g/toc/message/869
 - b. 2023-03-23: William announced that Julien is replacing him as representative from Orange in TOC (https://lists.o-ran-sc.org/g/toc/message/867)
- 11. Meeting Summary (resolutions, new action items, etc.)

2023 03 16

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 - a. no items
- 4. Copyright update
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- d. 2023-03-02/2023-03-16:
 - i. APs still open, no news
- e. 2023-03-16
- AP Jakub Novy: Check o progress that Jindrich is making. We continue working on a way to publish O-RAN code-like segments.
 - Jakub had a session with Jindrich on what is needed. Next step is with Jindrich. Jakub also had a discussion with WG3's Claudio.
 - Jakub commented that we once this becomes clear, we should talk with other WG. WG3 needs are pretty clear.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. OSFG discussions
 - i. 2023-02-23:
 - David Kinsey WG3 has agreed to work with us on the procedure (related to code-like segments of specs) so that they
 can look at how to incorporate into WG10 and WG6.
 - 2. Tracy Van Brakle There is a follow-up OSFG meeting on Friday. I'll send an email.
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 - 4. Jinri said he distributed the link for the next meeting by e-mail during the time of this TOC meeting.
 - 5. Jinri encourages everyone to subscribe to the OSFG mailing list
 - iii. 2023-03-09,2023-03-16: no news.
 - b. O-RAN next steps
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
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 - iv. 2023-03-09: AP David Kinsey to discuss with Jinri on what can be done to get this (=better cooperation) forward goal should be refined and then we can come up with a plan. James commented that an e-mail to TOC (not "discuss") mailing list could help to refine this.
 - v. 2023-03-16:
 - 1. David: we should track what parts of specifications are implemented, e.g., on A1, E2 level
 - David: in f-2-f better to have one-on-one sessions between OSC/OSFG and each WG to focus on topics of interest by WGs.
- 6. Old business and Status of Open Actions
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 - i. 2023-03-09: AP David KinseyOSC and OAI lab connection. The overall goal is to have some result of such a cooperation that can be presented at next O-RAN f-2-f.
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- ii. 2023-03-09:
 - 1. Ankit next meeting on Monday related to NTUST lab.
 - David send first draft for use cases (cloud discovery, homing function). More coming. Result of this work is also expected to be pushed this to WG1. Rittwik also said that interoperabilty in a decomposed SMO (and OAI being one component in it) would be a good test case. More discussion with OAI needed.
- iii. 2023-03-16:
 - Tacker (as DMS endpoint) and integration with O-Cloud. SMO project continues to develop it, but deployed in central cloud. See also O2DMS in ETSI NFV profile
 - Some flows for O2 interface now defined. Now need a contributor for implementing the SMO part of this. To be checked with Tacker team. Already checking with NTUST team if they have someone.
 - 3. Rittwik: next RSAC call will be about Al/ML workflow and integration
- c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - 1. 2023-02-23: James Li We have started some conversation around O2 integration.
 - 2. 2023-03-16: Worked on O2 integration. Working with Sridhar on Xtesting to bring existing Robot test cases.
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - 1. 2023-02-23: Mahesh Jethanandani We just kicked starting our activities. I'd like to ask David Kinsey to light up on the missing functionality.
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - 1. 2023-03-09: successfully cleaned up jenkins jobs. Upgrade to JDK17 and springboot 3.
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - 1. 2023-03-09: SUNIL SINGH INFO.yaml for a new repo is now fixed.
 - v. Thoralf Czichy Near-RT RIC Platform (RIC):
 - 1. 2023-03-09: Happy to see new contributors: Cap gemini, Parallel wireless and Abhijit (rust CI),
 - 2. 2023-03-16: Supporting deployment of the RIC platform using O2 is currently pending a discussion between James and the SMO project and on Bin Yang to check a helm-only dpeloyment of the near-RT RIC.
 - vi. (TBD) O-RAN Centralized Unit (OCU):
 - vii. Ankit Barve O-RAN Distributed Unit High (ODUHIGH):
 - 1. 2023-02-23: Ankit Barve Development is on track as planned for features. We need some help on how to include the new accounts. I'll send an email to Sridhar Rao (2023-03-02 new committer changes are being worked on)
 - 2. 2023-03-16: gnb up in Taiwan lab and available for testing with G release.
 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
 - 1. 2023-03-02: David Kinsey asked if there's an O2 simulator. Answer: nothing exists, no plan for H.
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- 8. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 9. Planning for Next Meeting
- 10. Any Other Business (AOB)
 - a. 2023-03-16: AP David Kinsey: SMO PTL position is open for a new PTL. Mahesh will have to move on by end of March. Candidates should send a short e-mail with their proposal including their qualifactions.
- 11. Meeting Summary (resolutions, new action items, etc.)

2023 03 09

Recording

Meeting Recording: link to zoom recording

- 1. Call for Scribe (minutes owner): Thoralf Czichy
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
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AT&T	David Kinsey Co-Chair	х		
China Mobile	Jinri Huang Co-Chair		James Li	х
Deutsche Telekom	Jakub Nový	x	Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	x
Orange	William Diego	x	Julien Boudani	x
Radisys	Ganesh Shenbagaraman		Ankit Barve	x
TIM	Andrea Buldorini	х		
Wind River	Bin Yang	x	Jackie Huang	
Viavi Solutions	Ultan Kelly	x	Baruch Friedman	
Samsung	Avinash Bhat	х	Hunje Yeon	

- 1. Review and Agree to Minutes of Previous Meeting
 - a. Decision: Minutes approval for last TOC meeting: Motion proposed by Bin Yangseconded by Andrea Buldorini and the motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
 - a. no items
- 4. Copyright update
 - **a.** 2023-02-02:
 - i. Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - ii. SCCL dedicated project setup is in progress.
 - iii. SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - **b.** 2023-02-09:
 - i. Sridhar Rao has submitted the template for a review by the LF legal team.
 - ii. Jinri Huang to reach out to the O-RAN legal/office to get a SCCL CLA template without signature and to explore the possibility to create SCCP under gerrit.o-ran.org instead of gerrit.o-ran-sc.org.
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 - **c.** 2023-02-23:
 - Sridhar Rao I have checked with LF legal. SCCP is already created. LF will be hosting the repo, but it's not a legal entity for SCCP and SCCL (similar to SCP and SCL). It's O-RAN legal.
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 - a. **2023-03-09:** We stick to the 9am **ET** time slot for this meeting. Note that ET will switch to summer time on March-12. So, for people not doing the switch at the same time, the meeting now starts one hour earlier. Reminder for participants from Europe: Europe switches to summer time on Mar-27.
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Recording

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Nokia	Arunkumar Halebid	x	Thoralf Czichy	х
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^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

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 - b. 2023-03-02: We stick to ET time for this meeting. Note that ET will switch to summer time on March-12. I.e. next week is still normal. But the week after next week the meeting time will change for people outside of ET.
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2023 02 23

Recording

Meeting Recording: 2023-02-23

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Wind River	Bin Yang		Jackie Huang	x
Viavi Solutions	Ultan Kelly	х	Baruch Freidman	
Samsung	Avinash Bhat	х	Hunje Yeon	

- 1. Review and Agree to Minutes of Previous Meeting
 - a. Decision: Minutes approval for last TOC meeting: Motion proposed by MASAFUMI MASUDA seconded by Avinash Bhat and the
 motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
 - a. 2023-02-23: Request: NONRTRIC project request a new code repository as per email request https://lists.o-ran-sc.org/g/toc/topic /97158555. Decision: Modify name of requested repository to nonrtric/plt/ranpm ("NONRTRIC Platform: RAN PM"). Modified motion proposed by John Keeney, seconded by David Kinsey, and the motion was approved.
- 4. Copyright update
 - a. 2023-02-02:
 - Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - ii. SCCL dedicated project setup is in progress.
 - iii. SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - b. 2023-02-09:
 - i. Sridhar Rao has submitted the template for a review by the LF legal team.
 - ii. Jinri Huang to reach out to the O-RAN legal/office to get a SCCL CLA template without signature and to explore the possibility to create SCCP under gerrit.o-ran.org instead of gerrit.o-ran-sc.org.
 - iii. SCCL implementation to be discussed with WG3 during the F2F first to figure out what the procedure is and how it gets populated and to see if those are applicable to the other WGs.
 - c. 2023-02-23:
 - Sridhar Rao I have checked with LF legal. SCCP is already created. LF will be hosting the repo, but it's not a legal entity for SCCP and SCCL (similar to SCP and SCL). It's O-RAN legal.
 - 1. AP Jinri Huang I'll push O-RAN legal to get feedback.
 - ii. David Kinsey My suggestion is to work with Thoralf Czichy to make sure we have the procedure to contribute.
 - 1. AP Jinri HuangSridhar Rao to discuss offline how to enforce SCCP CLA.
 - iii. Jinri Huang To discuss SCCL implementation, a meeting with O-RAN office and some experts is arranged for next week.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. O-RAN Alliance F2F
 - i. 2023-02-09: Agenda for OSC
 - 1. PTLs to complete H release pages prior to the F2F meeting.
 - OAI collaboration is to be covered first followed by OSFG/OSC topic in the first session. The first topic in the second session is SCCL and the second topic is "H" Scope. The last session is secured to cover overflowed topics from the previous sessions.
 - ii. 2023-02-23:
 - 1. Tracy Van Brakle There is a follow-up OSFG meeting on Friday. I'll send an email.
 - 2. David Kinsey It was a successful F2F. We had the OSFG and the OSC sessions. WG3 has agreed to work with us on the procedure so that they can look at how to incorporate into WG10 and WG6.
 - b. O-RAN 2.0
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
 - ii. 2023-02-23: James Li Next step is how we are going to execute. First thing is the impact OSC wants to make and the second is CI/CD/CT.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. 5G Super Blueprint status to be considered for H release.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. Matthew Watkinsto follow-up and revert.
 - 1. A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).

- ii. 2023-02-23: Sridhar Rao I have created a Wiki page for the release checklist.
- b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
- c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - 1. 2023-02-23: James Li We have started some conversation around O2 integration.
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - 1. 2023-02-23: Mahesh Jethanandani We just kicked starting our activities. I'd like to ask David Kinsey to light up on the missing functionality.
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - 1. 2023-02-23: SUNIL SINGH We are developing a new feature.
 - v. Thoralf Czichy RIC Platform (RIC):
 - vi. (TBD) O-RAN Centralized Unit (OCU):
 - vii. user-30c9d O-RAN Distributed Unit High (ODUHIGH):
 - 1. 2023-02-23: Ankit Barve Development is on track as planned for features. We need some help on how to include the new accounts. I'll send an email to Sridhar Rao.
 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
 - xi. Jackie Huang Infrastructure (INF)
 - 1. 2023-02-23: Jackie Huang We are considering to support ARM architecture. We can think about AMD as well. We have a discussion on the O2 compliance testing.
 - xii. weichen ni Documentation (DOC)
 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat AI/ML framework (AIMLFW)
 - 2023-02-23: Avinash Bhat We are broadly on track. We have a couple of good discussions on SMO and NONRTRIC projects.
- 8. Collaboration with OAI
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 02 16 (MEETING DID NOT TAKE PLACE)

Recording

Meeting Recording:

Agenda

- 1. Call for Scribe (minutes owner): Masafumi Masuda (NTT DOCOMO)
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair			
China Mobile	Jinri Huang Co-Chair		James Li	
Deutsche Telekom	Jakub Nový		Ondej Hudousek	
Ericsson	John-Paul Lane		John Keeney	
NTT DOCOMO	Masafumi Masuda		Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	
Orange	William Diego		Vincent Danno	
Radisys	Ganesh Shenbagaraman		Ankit Barve	
TIM	Andrea Buldorini			
Wind River	Bin Yang		Jackie Huang	
Viavi Solutions	Ultan Kelly		Baruch Freidman	
Samsung	Avinash Bhat		Hunje Yeon	

^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

1. Review and Agree to Minutes of Previous Meeting

- a. Decision: Minutes approval for last TOC meeting: Motion proposed by seconded by and the Motion was approved / rejected.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
- 4. Copyright update
 - a. 2023-02-02:
 - Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - 1. 2023-02-09:
 - a. AP Jinri Huang to share SCCL CLA and SCCP charter documents with OSC Team.
 - b. Sridhar Rao has submitted the template for a review by the LF legal team.
 - c. AP Jinri Huang to reach out to the O-RAN legal/office to get a SCCL CLA template without signature and to explore the possibility to create SCCP under gerrit.o-ran.org instead of gerrit.o-ran-sc.org.
 - ii. SCCL dedicated project setup is in progress.
 - iii. SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - 1. 2023-02-09:
 - a. SCCL implementation to be discussed with WG3 during the F2F first to figure out what the procedure is and how it gets populated and to see if those are applicable to the other WGs.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. O-RAN Alliance F2F
 - i. 2023-02-09: Agenda for OSC
 - 1. AP PTLs to complete H release pages prior to the F2F meeting.
 - OAI collaboration is to be covered first followed by OSFG/OSC topic in the first session. The first topic in the second session is SCCL and the second topic is "H" Scope. The last session is secured to cover overflowed topics from the previous sessions.
 - b. O-RAN 2.0
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. 5G Super Blueprint status to be considered for H release.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. AP Matthew Watkinsto follow-up and revert.
 - A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
 - c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - v. Thoralf Czichy RIC Platform (RIC):
 - vi. (TBD) O-RAN Centralized Unit (OCU):
 - vii. user-30c9d O-RAN Distributed Unit High (ODUHIGH):
 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
 - xi. Jackie Huang Infrastructure (INF)
 - xii. weichen ni Documentation (DOC)
 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat AI/ML framework (AIMLFW)
- 8. Collaboration with OAI
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 02 09

Recording

Meeting Recording: 2023-02-09

- 1. Call for Scribe (minutes owner): Masafumi Masuda (NTT DOCOMO)
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair	x		
China Mobile	Jinri Huang Co-Chair	X	James Li	

Deutsche Telekom	Jakub Nový	x	Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	x
Orange	William Diego	x	Vincent Danno	
Radisys	Ganesh Shenbagaraman		Ankit Barve	x
TIM	Andrea Buldorini	x		
Wind River	Bin Yang	x	Jackie Huang	
Viavi Solutions	Ultan Kelly	x	Baruch Freidman	
Samsung	Avinash Bhat	x	Hunje Yeon	

- 1. Review and Agree to Minutes of Previous Meeting
 - a. **Decision:** Minutes approval for last TOC meeting: Motion proposed by Masafumi Masuda seconded by Jinri Huang and the Motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
- 4. Copyright update
 - a. 2023-02-02:
 - Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - 1. 2023-02-09:
 - a. AP Jinri Huang to share SCCL CLA and SCCP charter documents with OSC Team.
 - b. Sridhar Rao has submitted the template for a review by the LF legal team.
 - c. AP Jinri Huang to reach out to the O-RAN legal/office to get a SCCL CLA template without signature and to explore the possibility to create SCCP under gerrit.o-ran.org instead of gerrit.o-ran-sc.org.
 - ii. SCCL dedicated project setup is in progress.
 - iii. SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - 1. 2023-02-09:
 - a. SCCL implementation to be discussed with WG3 during the F2F first to figure out what the procedure is and how it gets populated and to see if those are applicable to the other WGs.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. O-RAN Alliance F2F
 - i. 2023-02-09: Agenda for OSC
 - 1. AP PTLs to complete H release pages prior to the F2F meeting.
 - OAI collaboration is to be covered first followed by OSFG/OSC topic in the first session. The first topic in the second session is SCCL and the second topic is "H" Scope. The last session is secured to cover overflowed topics from the previous sessions.
 - b. O-RAN 2.0
 - i. 2023-02-09: James Li presented OSC revamp. A deep-dive session is scheduled during the F2F.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. 5G Super Blueprint status to be considered for H release.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. AP Matthew Watkinsto follow-up and revert.
 - 1. A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
 - c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - v. Thoralf Czichy RIC Platform (RIC):
 - vi. (TBD) O-RAN Centralized Unit (OCU):
 - vii. user-30c9d O-RAN Distributed Unit High (ODUHIGH):
 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
 - xi. Jackie Huang Infrastructure (INF)
 - xii. weichen ni Documentation (DOC)
 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat AI/ML framework (AIMLFW)
- 8. Collaboration with OAI
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items

- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 02 02

Recording

Meeting Recording: 2023-02-02

- 1. Call for Scribe (minutes owner): Masafumi Masuda (NTT DOCOMO)
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair	x		
China Mobile	Jinri Huang Co-Chair	x	James Li	
Deutsche Telekom	Jakub Nový	x	Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	х
Orange	William Diego		Vincent Danno	
Radisys	Ganesh Shenbagaraman	x	Ankit Barve	
TIM	Andrea Buldorini	х		
Wind River	Bin Yang	x	Jackie Huang	
Viavi Solutions	Ultan Kelly	x	Baruch Freidman	
Samsung	Avinash Bhat	х	Hunje Yeon	

^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

- 1. Review and Agree to Minutes of Previous Meeting
 - a. **Decision:** Minutes approval for last TOC meeting: Motion proposed by John-Paul Lane seconded by Jinri Huang and the Motion was approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
- 4. Copyright update
 - a. 2023-02-02:
 - Following the approval of SCCL CLA and SCCP charter by the Board members via email, TOC approves to create necessary project(s) in O-RAN-SC gerrit.
 - ii. SCCL dedicated project setup is in progress.
 - iii. AP SCCL implementation is to be discussed in a meeting with WG3 before the F2F meetings.
 - b. 2023-01-19: No update.
 - c. 2023-01-12:
 - i. CLA and Technical charter for SCCL project approved by EC, going to O-RAN board for approval end of January.
 - ii. Summary of SCCL major content will be presented after the O-RAN board meeting.
 - iii. Meeting scheduled with LF to investigate how LF will create a new repo for the SCCL project. O-RAN Alliance also needs a repo to store the SCCL licensed specification files. It is envisaged that OSC will pull code-like parts of the O-RAN specifications from the O-RAN Alliance repo and use these in software implementation. Can OSC get access to these specifications before the 60 day O-RAN Alliance IPR window?
 - iv. David Kinseyproposes a deep dive on how to use SCCL licensed artefacts in OSC at the upcoming O-RAN Alliance F2F. We should also talk with the O-RAN Alliance to encourage them to publish under SCCL.
 - Jinri Huang would like some of the PTLs to work together understanding how OSC projects should use SCCL specifications. Th
 oralf Czichy is interested to contribute in his focus areas.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - a. O-RAN Alliance F2F: Agenda for OSC.
 - i. AP PTLs to fill in the RSAC pages to put together the presentation for the F2F.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. 5G Super Blueprint status to be considered for H release.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. There are issues with the LF insights portal.

- 1. 2023-01-19: Sridhar Rao is working on the issues which John has forwarded such as the differences between Gerrit and GitHub statistics. AP all contributors to make sure that your 'affiliation' is up-to-date in your LF insights account 'My Profile'. (openprofile.dev). The Affiliations tab may be hidden by an advertisement. Close the advertisement to see the tab. Most of the other identified issues should be fixed once the Affiliations have been updated. The ticket is open and can be tracked if needed.
- 2. AP Sridhar Rao to generate a list of contributors with missing Affiliation.
- ii. Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. AP Matthew Watkinsto follow-up and revert.
 - 1. A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).
- b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
 - iii. O-RAN F2F in Prague: David Kinsey putting together material for O-RAN F2F G release recap and H release plans. AP David create a H release page and then the PTLs should update with their goals for the H release. user-59b16 request to all PTLs if you already have something in your own release page you could add it here too.
- c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - v. Thoralf Czichy RIC Platform (RIC):
 - vi. (TBD) O-RAN Centralized Unit (OCU):
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 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
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 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat Al/ML framework (AIMLFW)
- 8. Collaboration with OAI
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 01 26 (MEETING DID NOT TAKE PLACE)

Recording

Meeting Recording:

Agenda

- 1. Call for Scribe (minutes owner): John-Paul Lane (Ericsson)
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair			
China Mobile	Jinri Huang Co-Chair		James Li	
Deutsche Telekom	Jakub Nový		Ondej Hudousek	
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NTT DOCOMO	Masafumi Masuda		Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	
Orange	William Diego		Vincent Danno	
Radisys	Ganesh Shenbagaraman		Ankit Barve	
TIM	Andrea Buldorini			
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Viavi Solutions	Ultan Kelly		Baruch Freidman	
Samsung	JinGuk Jeong		Avinash Bhat	

^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

1. Review and Agree to Minutes of Previous Meeting

- a. Decision: Minutes approval for last TOC meeting: Motion proposed by X seconded by Y and the Motion was Rejected / Approved.
- 2. Review of Today's Agenda
- 3. Release Votes and Approval
- 4. Copyright update
 - a. 2023-01-19: No update.
 - b. 2023-01-12:
 - i. CLA and Technical charter for SCCL project approved by EC, going to O-RAN board for approval end of January.
 - ii. Summary of SCCL major content will be presented after the O-RAN board meeting.
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 - iv. David Kinseyproposes a deep dive on how to use SCCL licensed artefacts in OSC at the upcoming O-RAN Alliance F2F. We should also talk with the O-RAN Alliance to encourage them to publish under SCCL.
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- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - O-RAN Alliance F2F: Agenda for OSC.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - b. 5G Super Blueprint status to be considered for H release.

i.

- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. There are issues with the LF insights portal.
 - 1. 2023-01-19: Sridhar Rao is working on the issues which John has forwarded such as the differences between Gerrit and GitHub statistics. AP all contributors to make sure that your 'affiliation' is up-to-date in your LF insights account 'My Profile'. (openprofile.dev). The Affiliations tab may be hidden by an advertisement. Close the advertisement to see the tab. Most of the other identified issues should be fixed once the Affiliations have been updated. The ticket is open and can be tracked if needed.
 - 2. AP Sridhar Rao to generate a list of contributors with missing Affiliation.
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 - iii. O-RAN F2F in Prague: David Kinsey putting together material for O-RAN F2F G release recap and H release plans. AP David create a H release page and then the PTLs should update with their goals for the H release. user-59b16 request to all PTLs if you already have something in your own release page you could add it here too.
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 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - iv. SUNIL SINGH RIC Applications (RICAPP):
 - v. Thoralf Czichy RIC Platform (RIC):
 - vi. (TBD) O-RAN Centralized Unit (OCU):
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 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - x. Alex Stancu Simulations (SIM)
 - xi. Jackie Huang Infrastructure (INF)
 - xii. weichen ni Documentation (DOC)
 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat Al/ML framework (AIMLFW)
- 8. Collaboration with OAI
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 01 19

Recording

Meeting Recording: 2023-01-19

- 1. Call for Scribe (minutes owner): John-Paul Lane (Ericsson)
- 2. Roll Call & Quorum Check

Company Contact Name Attendance Alternate Contact Attendance
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AT&T	David Kinsey Co-Chair	x		
China Mobile	Jinri Huang Co-Chair		James Li	x
Deutsche Telekom	Jakub Nový		Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid	х	Thoralf Czichy	
Orange	William Diego		Vincent Danno	
Radisys	Ganesh Shenbagaraman		Ankit Barve	x
TIM	Andrea Buldorini	х		
Wind River	Bin Yang		Jackie Huang	
Viavi Solutions	Ultan Kelly		Baruch Freidman	
Samsung	JinGuk Jeong		Avinash Bhat	x

- 1. Review and Agree to Minutes of Previous Meeting
 - a. Decision: Minutes approval for last TOC meeting: Motion proposed by Avinash Bhat seconded by James Li and the Motion was Approved.
- 2. Review of Today's Agenda
 - a. John Keeney Review plans for collaboration between OSC and ONAP.
 - i. Weekly community meeting where ONAP participants engage with OSC. Some of the ONAP TSC attended the recent meeting and they suggested a closer working relationship with OSC. A suggestion is that ONAP Requirements Sub-committee called into OSC RSAC and vice versa OSC RSAC could attend ONAP Requirement Sub-committee. The first step would be to review scope of each of the main projects and discuss overlapping requirements. David Kinsey it would be good to know in advance if the ONAP Requirements sub-committee planned to attend the OSC RSAC call so the agenda could be updated.
- 3. Release Votes and Approval
- 4. Copyright update
 - a. 2023-01-19: No update.
 - **b.** 2023-01-12:
 - i. CLA and Technical charter for SCCL project approved by EC, going to O-RAN board for approval end of January.
 - ii. Summary of SCCL major content will be presented after the O-RAN board meeting.
 - iii. Meeting scheduled with LF to investigate how LF will create a new repo for the SCCL project. O-RAN Alliance also needs a repo to store the SCCL licensed specification files. It is envisaged that OSC will pull code-like parts of the O-RAN specifications from the O-RAN Alliance repo and use these in software implementation. Can OSC get access to these specifications before the 60 day O-RAN Alliance IPR window?
 - iv. David Kinseyproposes a deep dive on how to use SCCL licensed artefacts in OSC at the upcoming O-RAN Alliance F2F. We should also talk with the O-RAN Alliance to encourage them to publish under SCCL.
 - v. Jinri Huang would like some of the PTLs to work together understanding how OSC projects should use SCCL specifications. Th oralf Czichy is interested to contribute in his focus areas.
- **5.** O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - 1. O-RAN Alliance F2F: Agenda for OSC. David Kinsey has requested 3 x 90 minute sessions for OSC. AP Tracy Van Brakle to liaise with David around the OSFG OSC collaboration topic. Trying to coordinate schedules with the organiser. OSC sessions are likely to be on Wednesday and Thursday. David is currently planning to travel as is James Li.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - i. Jinri has forwarded the contract for Tooling in the lab to Stefan and he is working on it. No concrete deadline for completion.
 - **b.** 5G Super Blueprint status to be considered for H release.
 - i. Progress has stalled. Tracy is seeking to re-invigorate this topic.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. There are issues with the LF insights portal.
 - 1. 2023-01-19: Sridhar Rao is working on the issues which John has forwarded such as the differences between Gerrit and GitHub statistics. AP all contributors to make sure that your 'affiliation' is up-to-date in your LF insights account 'My Profile'. (openprofile.dev). The Affiliations tab may be hidden by an advertisement. Close the advertisement to see the tab. Most of the other identified issues should be fixed once the Affiliations have been updated. The ticket is open and can be tracked if needed.
 - 2. AP Sridhar Rao to generate a list of contributors with missing Affiliation.
 - ii. Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. AP Matthew Watkinsto follow-up and revert.
 - 1. A patch is being released by LF to fix this issue and this should resolve the issues with license scanning and dependencies (by Monday 24th January at latest).
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
 - 1. 2023-01-19: user-59b16 RSAC has discussed the following items with a view to including in H release
 - a. Getting both labs (NJ and Taiwan) synchronised.
 - b. Cloud Infra projects that need to be up and running in different modes (simplex, duplex...).
 - $\boldsymbol{c}.\;$ Work with SMO project to get all OSC components up and running.
 - d. O-DU test activity with Intel.

- e. Al/ML project dependencies with SMO.
- iii. O-RAN F2F in Prague: David Kinsey putting together material for O-RAN F2F G release recap and H release plans. AP David create a H release page and then the PTLs should update with their goals for the H release. user-59b16 request to all PTLs if you already have something in your own release page you could add it here too.
- c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
 - 1. Windriver would like to contribute to the testing framework. Can we send request to all PTLs for more support?
 - ii. Mahesh Jethanandani Service Management and Orchestration (SMO)
 - iii. John Keeney Non-Real Time RIC (RAN Intelligent Controller) (NONRTRIC):
 - 1. No issues. Lots of planning for H release. Want to build on the work from previous releases and extend rApp support. iv. SUNIL SINGH RIC Applications (RICAPP):
 - 1. No issues. Discussing H release plans. Hope to be able to share within a week or so.
 - v. Thoralf Czichy RIC Platform (RIC):
 - 1. No issues. Working on H release content. Hope to be able to share in next 2 weeks or so.
 - vi. (TBD) O-RAN Centralized Unit (OCU):
 - vii. user-30c9d O-RAN Distributed Unit High (ODUHIGH):
 - 1. No issues.
 - viii. Luis Farias O-RAN Distributed Unit Low (ODULOW):
 - ix. Martin Skorupski Operations and Maintenance (OAM):
 - 1. No issues. Working on H release plans.
 - x. Alex Stancu Simulations (SIM)
 - No issues. Working on H release plans. David Kinsey would like to use simulators outside of an OSC lab environment. Will follow up with Alex directly.
 - xi. Jackie Huang Infrastructure (INF)
 - xii. weichen ni Documentation (DOC)
 - xiii. (TBD) O-RAN Radio Unit (ORU)
 - xiv. Avinash Bhat AI/ML framework (AIMLFW)
 - No issues. Discussions ongoing for H release. Collaboration will likely be needed with SMO, Non-RT RIC and Near RT RIC projects.
- 8. Collaboration with OAI
 - a. 2022-05-26: discussed with OAI last week. Licensing will be addressed by OAI and reported next time
 - b. 2022-11-17: Jinri Huang there is a discussion about it again in ORAN, need to check for details. It may be good to check with Orange if they have some news.
 - c. 2022-11-17: David Kinsey: If we want to run it in our lab, it is a licensing issue only Taiwan lab is university lab. We can do it as a super Blue print and link the labs, but it is not ideal. We need to work on the relationship between us and OSC, from the discussion with people from OAI it seems that it may have a solution.
- 9. New Agenda Items (New Business): New Items Submitted (+speaker) & Open Call to TOC For Additional Items
- 10. Planning for Next Meeting
- 11. Any Other Business (AOB)
- 12. Meeting Summary (resolutions, new action items, etc.)

2023 01 12

Recording

Meeting Recording: 2023-01-12

- 1. Call for Scribe (minutes owner): John-Paul Lane (Ericsson)
- 2. Roll Call & Quorum Check

Company	Contact Name	Attendance	Alternate Contact	Attendance
AT&T	David Kinsey Co-Chair	x		
China Mobile	Jinri Huang Co-Chair	x	James Li	
Deutsche Telekom	Jakub Nový		Ondej Hudousek	
Ericsson	John-Paul Lane	x	John Keeney	
NTT DOCOMO	Masafumi Masuda	x	Anil Umesh	
Nokia	Arunkumar Halebid		Thoralf Czichy	x
Orange	William Diego	x	Vincent Danno	
Radisys	Ganesh Shenbagaraman		Ankit Barve	
TIM	Andrea Buldorini	x		
Wind River	Bin Yang	x	Jackie Huang	

Viavi Solutions	Ultan Kelly	Baruch Freidman	
Samsung	JinGuk Jeong	Avinash Bhat	х

^{*}Quorum: 50% or more of total TOC voting members unless excluded due to attendance.

- 1. Review and Agree to Minutes of Previous Meeting
 - a. Decision: Minutes approval for last TOC meeting: Motion proposed by X seconded by X and the Motion was Accepted/Declined.
 - b. 2022-12-01: Motion Jinri, Seconded Mahesh. Approved.
 - c. 2022-12-08: Motion Jinri, Seconded Thoralf. Approved.
 - d. 2022-12-15: Motion Jinri, Seconded Thoralf. Approved.
- 2. Review of Today's Agenda
 - a. Mahesh Jethanandani wanted to discuss Jenkins Jobs.
 - b. John Keeney Review plans for collaboration between OSC and ONAP.
- 3. Release Votes and Approval
- 4. Copyright update
 - a. Is SCCL discussion progressing in O-RAN Alliance? Does the Alliance have plans to publish code-like specifications under SCCL anytime soon? Need to follow up with O-RAN legal team and O-RAN EC to determine current status of SCCL
 - - i. CLA and Technical charter for SCCL project approved by EC, going to O-RAN board for approval end of January.

 - ii. Summary of SCCL major content will be presented after the O-RAN board meeting.
 iii. Meeting scheduled with LF to investigate how LF will create a new repo for the SCCL project. O-RAN Alliance also needs a repo to store the SCCL licensed specification files. It is envisaged that OSC will pull code-like parts of the O-RAN specifications from the O-RAN Alliance repo and use these in software implementation. Can OSC get access to these specifications before the 60 day O-RAN Alliance IPR window?
 - iv. David Kinseyproposes a deep dive on how to use SCCL licensed artefacts in OSC at the upcoming O-RAN Alliance F2F. We should also talk with the O-RAN Alliance to encourage them to publish under SCCL.
 - v. Jinri Huang would like some of the PTLs to work together understanding how OSC projects should use SCCL specifications. Th oralf Czichy is interested to contribute in his focus areas.
- 5. O-RAN-related business (marketing, WG interaction, TSC/EC update etc.)
 - 1. O-RAN Alliance F2F: Agenda for OSC
 - 1. H release planning.
 - 2. Possible joint activity with OSFG.
 - 2. Alex Choi (O-RAN Alliance chair) is very active in open source.
 - 1. He has had recent discussions with OAI. Signs are that both sides are showing willingness to collaborate.
 - 2. O-RAN Alliance IPR protection and licensing is back on the agenda.
- 6. Old business and Status of Open Actions
 - a. OSC Lab
 - i. Jinri has forwarded the contract for Tooling in the lab to Stefan and he is working on it. No concrete deadline for completion.
 - b. 5G Super Blueprint status to be considered for H release.
 - i. Progress has stalled. Tracy is seeking to re-invigorate this topic.
- 7. Standing Agenda Items (Brief Status of Ongoing Activities)
 - a. Release Manager Sridhar Rao / Release Planning: Weekly TOC Scheduling
 - i. John Keeney: AP Sridhar Rao to look into the insight portal. It looks it is not up-to-date, it would be better to take it down until it is working properly.
 - 1. John Keeney We used to be able to get information per organisation in the old LF Insights. It is not possible to get this info with the new tool. AP Sridhar Raoto investigate with Insights team and will revert.
 - ii. Mahesh Jethanandani We need some support from LF for License scanning. Issue 24305 remains open. AP Matthew Watkinsto follow-up and revert.
 - b. Requirements Software Architecture Committee (RSAC, link incl. meeting details)
 - i. "G" Release
 - ii. "H" Release
 - 1. 2022-11-10: user-59b16: there was an initial discussion during the F2F: to improve the O-cloud instance, track down the touch points of AIML project and SMO. TOC can recommend a use-case to follow.
 - a. AP Jinri Huang: to check MVP-C and WG co-chairs which use-case to follow.
 - 2. 2022-11-10: David Kinsey Big topic to address are the Blue prints. We will need to understand how we will create Blueprint for OSC SMO project.
 - iii. 2022-11-03: John Murray: David and Rittwik working with RSAC for some time, we need someone else who will drive a broader view across the project and the ORAN
 - iv. 2022-11-17: David Kinsey will be in RSAC till end of year, but it is difficult to manage together with TOC co-chair position.
 - v. 2022-11-17: David Kinsey: At the summit there was an interest of development of DU on AMD architecture. It is not clear who should be responsible for that in OSC. It has to be clear what would be the value for ORAN.
 - c. Report out from PTL: Stand-Up & Report Out on Blockers
 - i. James Li Integration and Testing (INT)
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