

# Use Case Realization Call: August 14, 2019

## Date

14 Aug 2019

## Attendees

- Benjamin Cheung
- Vimal Begwani
- Fernando Oliveira
- Gerard Hynes
- Oskar Malm
- Jean-Michel Cornily
- Swaminathan Seetharaman
- Marge Hillis
- yaoguang wang
- Enbo Wang
- Rakesh Sinha
- Joanne Liu Rudel
- Melanie Sater
- Huang Cheng
- Dongho Kim
- Latha Ramamurthy
- Linda Horn
- Zu Qiang (Ericsson)
- Kevin McDonnell
- Dongrun Qin
- James Forsyth
- Timo Perala
- Fari Behi
- David Smith
- Chris AT&T

## DISCUSSION ITEMS LOG

| Ctgry                                    | Item                                                    | Who                    | Notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------|---------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pltfrm                                   | <b>PLATFORM TOPICS:</b><br>Controller to NF Association | Benjamin Cheung        | R5/R6 Topic<br><br>See Slides Nov 6, 2018. Development of Controller to NF assignment association S/W.<br><br>CDS, VF-C, APP-C, SDN-R, SDN-C; will the CCSDK "merging" of controllers happen in R6?<br><br><a href="#">USE CASE REALIZATION MEETING (Notes 2018-11-6) Ctrl-NF</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pltfrm                                   | <b>PLATFORM TOPICS:</b><br>Data Persistency, CM         | N.K. Shankaranarayanan | STATUS: Work for ConfigDB completed, not merged in R4<br><br>Dan Timoney moved to R5, one Jira for <b>ConfigDB</b> . One issue about merging.<br><br>ONAP code added can take a test ONAP deployment to have the ConfigDB work.<br><br><a href="#">USE CASE REALIZATION MEETING (Notes 2019-01-30) U/C Cross-Interaction, Persistency</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <a href="#">Dongho Kimpeakmen</a> Pltfrm | <b>PLATFORM TOPICS:</b><br>Controller LCM API Evolution | Oskar Malm             | <a href="https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2">https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2</a><br><br>Goals (Architecture Evolution) <ul style="list-style-type: none"><li>• Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations</li><li>• Support PNFs for applicable LCM operations in a consistent way</li><li>• Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category<ul style="list-style-type: none"><li>◦ In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases.</li></ul></li><li>• Evolution steps that preserve backwards compatibility for clients</li></ul><br>Present at the Arch S/C Apr 9 (Tue) second presentation. |

|           |                                                                          |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Use Cases | <b>USE CASE/5G:</b><br>RAN (ORAN-3GPP) Standards harmonization with ONAP | Marge Hillis<br>Vimal Begwani<br>Fred Feisullin              | <ul style="list-style-type: none"> <li>Orchestration at the Edge.</li> <li>A1/O1/E2 communications. Edge to ENBs, Telemetry.</li> <li>E2 will not have this info. O1 is I/F for PM counts. Not a management I/F.</li> <li>WG3 (ORAN) is defining this.</li> <li>ONAP w/ O1. Changes w/ O1 interface.</li> <li>How to satisfy A1/O1 and in what time-frame.</li> <li>U/C ORAN - ONAP harmonization. 3GPP ORAN ONAP.</li> <li>Starting a new U/C in 5G. Marge, Vimal, Fred Feisullin</li> <li>Edge inventory &amp; topology. Transport BH consideration w/ real-time near-RT aspects</li> <li>Akraino. MEC. Edge automation (Ramki).</li> </ul> <p>Use Case WIKI: <a href="#">MOBILITY STANDARDS HARMONIZATION WITH ONAP</a></p> |
| Use Cases | <b>USE CASE/5G:</b><br>Licensing Management                              | Timo Perala<br>Samuli Kuusela                                | <p>New U/C added to the 5G Use Cases for Licensing Management</p> <p>Use case Wiki: <a href="#">LICENSING MANAGEMENT</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Use Cases | <b>USE CASE/5G:</b><br>OOF / SON                                         | N.K. Shankar anarayan                                        | <p>PoC U/C will happen in WinLab. To meet time lines do those parts in Windriver focusing on DCAE, Policy and OOF.</p> <p>Jira SDN-C (Dan Timoney) pushed EI Alto (the Maintenance Release).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Use Cases | <b>USE CASES:</b><br>BBS U/C Evolution                                   | David Perez Caparros<br>Tim Carey<br>Chaker Al-Hakim         | <p>BBS Evolution - Slide set linked in R6 proposed U/C. List of proposals &amp; functional requirements.</p> <ol style="list-style-type: none"> <li>1. Change Service - want to use ONAP platform.</li> <li>2. Full Closed Loop for Fault Management - CLAMP.</li> <li>3. Service Update API (SO) - will be developed</li> </ol> <p><a href="https://wiki.onap.org/download/attachments/60887504/BBS_R5_v1.pptx?version=1&amp;modificationDate=1554180715000&amp;api=v2">https://wiki.onap.org/download/attachments/60887504/BBS_R5_v1.pptx?version=1&amp;modificationDate=1554180715000&amp;api=v2</a></p>                                                                                                                    |
| Use Cases | <b>USE CASES/5G:</b><br>PM Dictionary/FM MD GUI                          | Marge Hillis                                                 | FM META DATA & PM DICTIONARY in R5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Use Cases | <b>USE CASES/5G:</b><br>PNF S/W Upgrade                                  | Zu Qiang (Ericsson)<br>yaoguang wang                         | PNF software upgrade in R6 Frankfurt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Use Cases | <b>USE CASES/5G:</b><br>Preonboarding /Onboarding                        | Benjamin Cheung<br>Zu Qiang (Ericsson)<br>Michela Bevilacqua | PNF PREONBOARDING / ONBOARDING in R5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Use Cases | <b>USE CASES:</b><br>IoT Service Creation                                | Atul Purohit                                                 | <p>IoT Create Services on 5G</p> <p><a href="#">5G Use Cases in R6 Frankfurt</a></p> <p>June 19, 2019</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| Use Cases | <b>USE CASES:</b><br>Modeling gNB/5G RAN      | <a href="#">Thanh Nguyenphu</a><br><br><a href="#">Benjamin Cheung</a><br><br>Melanie Sater<br><br><a href="#">Tracy Van Brakle</a><br><br><a href="#">Martin Skorupski</a> | Align, harmonize, reconcile various information models to ONAP model:<br><br>Expand & verify model and harmonize with the ONAP internal information & data model:<br><br><b>ETSI</b> SOL001 ... 007 with ONAP internal Model<br><br>PNFD modeling (Model S/C)<br><br>5G Model ( <b>3GPP</b> , RAN)<br><br><b>ORAN</b> (WGs, RAN)<br><br><b>Open ROADM</b> (reconfig optical add/drop multiplexer, Optical)<br><br><b>ONF</b> (Optical)<br><br><b>ISOMII</b> (Optical)<br><br><b>OTCC</b> (Optical transport config & control)<br><br>- Use Cases that need transport models need some model consistency.<br><br>- Try a Use Case with extended ONAP model & real equipment. |
| Use Cases | 5G NRM (Network Resource Model) Configuration | <a href="#">yaoguang wang</a>                                                                                                                                               | Presented at the 2019 June LFN DDF, titled as ' <a href="#">5G Provisioning management service to NRM</a> '<br><br>Presentation scheduled for Aug 8, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Arch      | Architecture S/C<br>PNF POB/OB Flow           | <a href="#">Benjamin Cheung</a>                                                                                                                                             | Arch S/C Information Flows:<br><br><a href="#">Draft ONAP Information Flows</a><br><br>New Information flow for Preonboarding/Onboarding xNF packages/resources.<br><br><a href="#">ARCHCOM: InfoFlow - Onboard Resource into SDC Flow</a>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pltfm     | A&AI                                          | <a href="#">James Forsyth</a>                                                                                                                                               | A&AI updates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TSC       | TSC:<br>PoC Definition                        | <a href="#">Benjamin Cheung</a><br><br><a href="#">Alla Goldner</a>                                                                                                         | POC definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| TSC       | TSC/USE CASES:<br>Test Automation Progress    | <a href="#">Benjamin Cheung</a><br><br><a href="#">Alla Goldner</a>                                                                                                         | Use Case Test Automation<br><br>Action Items: Use case subcommittee to reach the Dublin use case owner to provide the following information. what's the current percentage of testing automation regarding your use case and functional requirements; what will be the plan to be 100% and constraints (resources availability etc.)                                                                                                                                                                                                                                                                                                                                        |
|           | R6 Frankfurt / M0                             |                                                                                                                                                                             | <a href="#">Use Case Tracking Template</a><br><br>Need the U/C teams to fill out the Dev. Impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|           |                                               |                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## KEY PRESENTATIONS & OVERVIEWS

| DATE         | TOPIC                        | PRESENTER                      | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------|------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Apr 10, 2019 | Controller LCM API Evolution | <a href="#">Oskar Malm</a>     | <ul style="list-style-type: none"> <li>Target is common LCM API in CCSDK usable by different controller personas to simplify for both clients and controller implementations</li> <li>Support PNFs for applicable LCM operations in a consistent way</li> <li>Enable use of CDS blueprint processor to customize behavior of LCM operations in the 'self-service' category <ul style="list-style-type: none"> <li>In ONAP R4, CDS can be used for pre/post-instantiation configuration. Generic and model-driven design should allow CDS usage to be extended for additional operations and use cases.</li> </ul> </li> <li>Evolution steps that preserve backwards compatibility for clients</li> </ul> <a href="https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2">https://wiki.onap.org/download/attachments/50202249/2019-04-09%20ONAP_LCM_API_Evolution_EI_Alto.pptx?api=v2</a> |
| May 1, 2019  | A&AI GraphGraph Visualizer   | <a href="#">Pavel Paroulek</a> | Visualizer for A&AI Model Layout<br><br>Use Case Realization Call: May 1, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| May 8, 2019   | A&AI Model Browser, Sparky                                             | <a href="#">James Forsyth</a>                                                                      | A&AI developer Model Browser to navigate and viewing attributes, object types & edge view<br>Recording & Slides: <a href="#">Use Case Realization Call: May 8, 2019</a>                                                                                                                                                                  |
| May 15, 2019  | A&AI Run Time Browser (Sparky)                                         | <a href="#">Giulio Graziani</a>                                                                    | A&AI Run-Time Browser                                                                                                                                                                                                                                                                                                                    |
| May 22, 2019  | Edge Automation Overview                                               | <a href="#">ramki krishnan</a>                                                                     | Central & Distributed Edge ONAP configuration.<br>Topics include: Onboarding, Instantiation, Edge Orchestration, A&AI, Architecture, Work-flows, Multi-Tenancy<br><a href="#">Use Case Realization Call: May 22, 2019</a>                                                                                                                |
| May 29, 2019  | Modeling S/C , Use Case Project Teams, Architecture S/C Way of Working | <a href="#">Benjamin Cheung</a>                                                                    | Model S/C (Sub committee) contributions page:<br><a href="#">Modeling sub-committee Contributions</a><br><a href="https://wiki.onap.org/display/DW/Proposed+ONAP+Release+Process+Updates+for+Information+and+Data+Modeling">https://wiki.onap.org/display/DW/Proposed+ONAP+Release+Process+Updates+for+Information+and+Data+Modeling</a> |
| Jun 5, 2019   | Use Case slides for Dev. Forum                                         | <a href="#">Benjamin Cheung</a>                                                                    | <a href="#">Use Case Realization Call: June 5, 2019</a>                                                                                                                                                                                                                                                                                  |
| Jun 12, 2019  | (No Meeting)                                                           | Developer's Forum                                                                                  | (No Meeting)                                                                                                                                                                                                                                                                                                                             |
| July 10, 2019 | R6: PNF Software Upgrade                                               | <a href="#">Zu Qiang (Ericsson)</a><br><a href="#">Ulas Kozak</a><br><a href="#">yaoguang wang</a> | ONAP Read the Docs/R4 Announcements<br>WIKI: <a href="#">PNF software upgrade in R6 Frankfurt</a>                                                                                                                                                                                                                                        |
| July 24, 2019 | R6: OOF/SON PCI Use Case                                               | <a href="#">N.K. Shankarana rayanan</a>                                                            | OOF / PCI / SON Use Case                                                                                                                                                                                                                                                                                                                 |
| Aug 7, 2019   | 5G NRM (Network Resource Model) Configuration U/C                      | <a href="#">yaoguang wang</a>                                                                      | 5G NRM (Network Resource Model) Configuration U/C                                                                                                                                                                                                                                                                                        |
| Aug 14, 2019  | ORAN Standards Harmonization U/C                                       | <a href="#">Marge Hillis</a><br><a href="#">Vimal Begwani</a>                                      | ORAN Standards Harmonization U/C                                                                                                                                                                                                                                                                                                         |
| Aug 21, 2019  | Modeling Sub-Committee guidelines & Use Case Interactions              | <a href="#">Andy Mayer</a><br><a href="#">Hui Deng</a>                                             |                                                                                                                                                                                                                                                                                                                                          |

## SUPPORTING DOCUMENTATION

| Document                                                                                                          | File                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| ORAN / 3GPP ONAP Alignment Use Case Presentation<br><a href="#">Vimal Begwani</a><br><a href="#">Marge Hillis</a> | <br>ORAN-ONAP Align...t Use Case.pptx |

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| <p>R6 Use Case Analysis &amp; Cross-Interaction Matrix</p> <p>See Also the R6 Frankfurt Release requirements Wiki:<br/> <a href="#">Frankfurt Release Requirements</a></p> |  <p>R6Frankfurt-Use...31jy2019v3.xlsx</p> |
| <p>ORAN-3GPP ONAP Harmonization U/C</p>                                                                                                                                    |  <p>ORAN3GPPONAPH...st142019.pptx</p>     |

## RECORDING

| Recording                               | FILE                                                                                                  |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| <p>Zoom Video &amp; Audio<br/>(MP4)</p> |  <p>zoom_0.mp4</p> |

|                  |                                                                                                                 |                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Audio Only (M4A) | <div><br/>audio_only.m4a</div> |                                                                                                                             |
| Playback (M3U)   | <div><br/>playback.m3u</div>   |                                                                                                                             |
| Chat (Txt)       | <div><br/>chat.txt</div>     | <div><br/>meeting_saved_chat.txt</div> |

## Action items

