

# Use Case Realization Call: July 24, 2019

## Date

24 Jul 2019

## Attendees

- Benjamin Cheung
- Abhinav Singh
- Albino Pinho
- Alex Stancu
- Ali Hockla (AH999M)
- Atul Purohit
- Avteet Chayal (OOF)
- Devendra Chauhan
- Dan Timoney
- Ferri Tafreshi
- George Clapp
- Hanif Kukkali
- Ioannis Broustis
- Jacqueline Beaulac
- Jeff Hartley
- KINGSLY LAWRENCE
- Martin Skorupski
- N.K. Shankaranarayanan
- Payam Forghani (AT&T)
- Phunith Kumar
- Rebecca Lantz
- Randa Maher (AT&T)
- Raghavan Subramanian
- Saravanan Ayyadurai
- Seyed Hashemi
- Swaminathan Seetharaman
- Sandeep Shah
- Scott Seabolt
- Shankaranarayanan Puzhavakath Narayanan
- Tomas Janciga
- Tracy Van Brakle
- Vimal Begwani
- Yuriy Malakov
- Cecilia Corbi (TIM)
- Chris (AT&T)
- DC443Y
- Dick Kwan
- Dilip Krishnaswamy
- Giri
- Ivan Seskar, WINLAB
- JZ3782
- Krishna
- Kevin Smokowski (KS6305)
- Michael Z (AT&T)
- PF230W
- VK
- Zihui Ge

## DISCUSSION ITEMS LOG

| Ct gry | Item                                                        | Who             | Notes                                                                                                                                                                                |
|--------|-------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pltfm  | <b>PLATFORM TOPICS:</b><br><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><a href="#">USE CASE REALIZATION MEETING (Notes 2018-11-6) Ctrl-NF</a> |

|           |                                                                          |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|--------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pltfm     | <b>PLATFORM TOPICS:</b><br>Data Persistency, CM                          | N.K. Shankara<br>narayanan                                              | <p>STATUS: Work for ConfigDB completed, not merged in R4</p> <p>Dan Timoney moved to R5, one Jira for <b>ConfigDB</b>. One issue about merging.</p> <p>ONAP code added can take a test ONAP deployment to have the ConfigDB work.</p> <p><a href="#">USE CASE REALIZATION MEETING (Notes 2019-01-30) U/C Cross-Interaction, Persistency</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pltfm     | <b>PLATFORM TOPICS:</b><br>Controller LCM API Evolution                  | Oskar Malm                                                              | <p><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></p> <p>Goals (Architecture Evolution)</p> <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> <p>Present at the Arch S/C Apr 9 (Tue) second presentation.</p> |
| Use Cases | <b>USE CASE/5G:</b><br>RAN (ORAN-3GPP) Standards harmonization with ONAP | Marge Hillis<br><br>Vimal Begwani<br><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                                                             | <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/PCI                                           | N.K. Shankara<br>narayanan                                              | <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<br>Caparros<br><br>Tim Carey<br><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                                                            | <a href="#">FM META DATA &amp; PM DICTIONARY in R5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Use Cases | <b>USE CASES/5G:</b><br>PNF S/W Upgrade                                  | Zu Qiang<br>(Ericsson)                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Use Cases | <b>USE CASES/5G:</b><br>Preonboarding /Onboarding                        | Benjamin Cheung<br><br>Zu Qiang<br>(Ericsson)<br><br>Michela Bevilacqua | <a href="#">PNF PREONBOARDING / ONBOARDING in R5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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="#">Thinh Nguyenphu</a><br><a href="#">Benjamin Cheung</a><br>Melanie Sater<br><a href="#">Tracy Van Brakle</a> | Align, harmonize, reconcile various information models to ONAP model:<br>Expand & verify model and harmonize with the ONAP internal information & data model:<br><b>ETSI</b> SOL001 ... 007 with ONAP internal Model<br>PNFD modeling (Model S/C)<br>5G Model ( <b>3GPP</b> )<br><b>ORAN</b> (WGs)<br>Open ROADM (reconfig optical add/drop multiplexer)<br>ONF<br><b>ISOMII</b><br>OTCC (Optical transport config & control)<br>- Use Cases that need transport models need some model consistency.<br>- Try a Use Case with extended ONAP model & real equipment. |
| Arch      | Architecture S/C<br>PNF POB/OB Flow        | <a href="#">Benjamin Cheung</a>                                                                                         | Arch S/C Information Flows:<br><a href="#">Draft ONAP Information Flows</a><br>New Information flow for Preonboarding/Onboarding xNF packages/resources.<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><a href="#">Alla Goldner</a>                                                         | <a href="#">POC definition</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TSC       | TSC/USE CASES:<br>Test Automation Progress | <a href="#">Benjamin Cheung</a><br><a href="#">Alla Goldner</a>                                                         | Use Case Test Automation<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.)                                                                                                                                                                                                                                    |
|           |                                            |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|           |                                            |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 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 GraphVisualizer           | <a href="#">Pavel Paroulek</a>  | Visualizer for A&AI Model Layout<br><a href="#">Use Case Realization Call: May 1, 2019</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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><br>Topics include: Onboarding, Instantiation, Edge Orchestration, A&AI, Architecture, Work-flows, Multi-Tenancy<br><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><br><a href="#">Modeling sub-committee Contributions</a><br><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><br>WIKI: <a href="#">PNF software upgrade in R6 Frankfurt</a>                                                                                                                                                                                                                                            |
| July 17, 2019 |                                                                        |                                                                                                    | Discussion of U/C items                                                                                                                                                                                                                                                                                                                          |
| July 24, 2019 | R6: OOF/SON PCI Use Case                                               | <a href="#">N.K. Shankarana rayanan</a>                                                            |                                                                                                                                                                                                                                                                                                                                                  |

## SUPPORTING DOCUMENTATION

| Document                                                                                                                                                                  | File                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <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> | <div>  <p>R6Frankfurt-Use...17Jy2019v2.xlsx</p> </div> |

OOF / PCI / SON Discussion - Demo Slides



OOF\_PCI\_Dublin\_...0724\_v\_2.0.pptx

## RECORDING

| Recording                | FILE                                                                                                  |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| Zoom Video & Audio (MP4) | <br>zoom_0.mp4      |
| Audio Only (M4A)         | <br>audio_only.m4a |

|                |                                                                                                               |                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Playback (M3U) | <div><br/>playback.m3u</div> |                                                                                                                           |
| Chat (Txt)     | <div><br/>chat.txt</div>     | <div><br/>meeting_saved_chat.txt</div> |

## Action items

