OpenRAN DU & CU Subgroup

Enable and accelerate development and deployment of OpenRAN whitebox Distributed Unit (DU) / Central Unit (CU) that operators can deploy in their mobile networks to provide mobile connectivity.

**Why DU & CU?**

Traditional BBU built on proprietary technology and interface leads to single vendor lock-in, high cost of BBU equipment, and slow pace of innovation of new products and service. Unlike traditional BBU, an open and disaggregated whitebox DU/CU platform based on commercial off-the-shelf components and disaggregated software is indispensable for enabling multi-vendor flexibility that provide best of breed RUs, GPP based DU/CU and RAN SW stack options for a diverse set of deployment scenarios.

**Developments**

- Developed a common set of use cases and deployment scenarios that incorporate Vodafone, T-Mobile USA and Dish’s inputs.
- Requirements document with harmonized MNOs’ requirements is to be completed by end of 2020.
- Whitebox DU/CU test requirements and specifications development is in progress.
- Phase 1 of end-to-end whitebox DU/CU testing in MPK TIP CL testing kicked off.

**At a glance**

- Define multiple DU/CU options for various deployment use cases including split DU/CU, and integrated DU/CU.
- Develop reference architecture and HW/SW requirements for white box DU and CU.
- Develop test and validation requirements and specification to enables whitebox DU/CU products to be listed on TIP market exchange.

**What next**

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- Contact us with questions or comments: OpenRAN-info@telecominfraproject.com