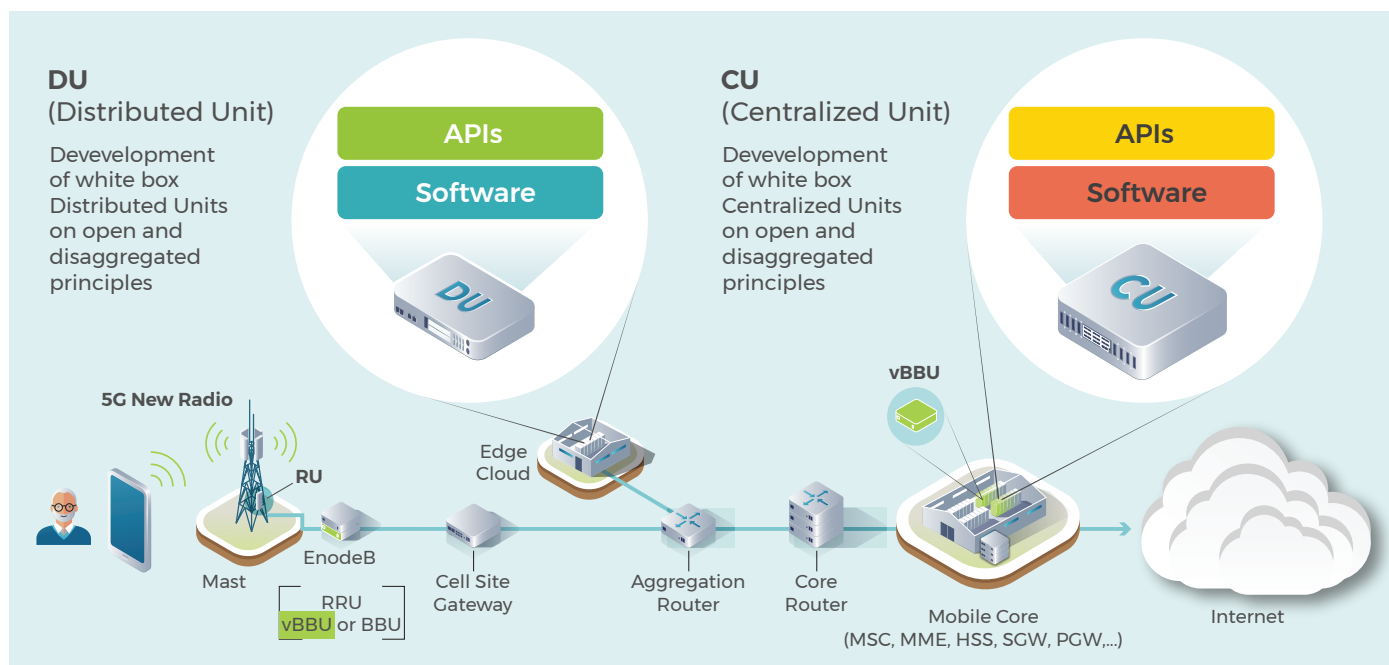


OpenRAN

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.

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.

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.

What next

- **Learn more about Telecom Infra Project**
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