OpenRAN Outdoor Macro

The sub-group addresses the challenges of large scale, outdoor OpenRAN deployments by defining requirements, aggregating technology solutions and developing playbooks for accelerating OpenRAN deployments.

**Why Outdoor Macro?**

Traditional outdoor RAN systems built on proprietary technology and interfaces leads to a fragmented ecosystem where components from different vendors cannot interoperate with each other. Yet, no single vendor can provide best of breed solution to address a wide range of deployment scenarios from high-density high capacity urban to rural. A flexible, cost-effective disaggregated outdoor solution based on open interfaces would greatly facilitate large scale deployment to enhance mobile network capacity and coverage.

**At a glance**

The group will develop requirement documents for various outdoor macro segments, 1. rural 2. peri-urban and 3. urban. Key focus areas and deliverables include:

- **Reference architectures for RAN** including the components CU, DU and RU.
- **APIs and interfaces for multi-vendors’ interoperability** based on industry specifications.
- **Playbooks and test reports.**

**Developments**

- **Identified top priority use cases** based on input from TPG, Ooredoo, Vodafone, and Smartfren.
- **Baselined Technical requirements for RU, DU & CU** against all use cases - 1. Rural 2. Semi urban 3. Urban.
- **Initiating solution build and testing phase.**

**What next**

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