**3GPP TSG-RAN Meeting #95-eRP-220926**

**Online – 17th – 23th March 2022**

**Source: 3GPP TSG RAN Chair**

**Title: Terms of Reference (ToR) for 3GPP TSG RAN (RAN)**

**Agenda item: 5**

**Document for: Information**

*Name, Acronym and short label/short name that can be used to identify the WG*

*This will be used in the figure/schema describing the 3GPP structure*

Name: 3GPP TSG Radio Access Network

Acronym: RAN

Label:

# Overview

Within 3GPP, the technical specification development work is accomplished by Technical Specification Groups (TSGs) according to the principles and rules contained in the Project reference documentation (Partnership Project Description, Partnership Project Agreement, Partnership Project Working Procedures).

The 3GPP Technical Specification Groups (TSGs) are responsible for, e.g.:

* Elaboration and monitoring of the detailed 3GPP release content and time plan;
* Development, approval and maintenance of Technical Specifications and Technical Reports;
* Technical co-ordination of related Working Groups (WGs) in which Technical Specifications and Technical Reports are produced.

The TSGs periodically report to the Project Coordination Group (PCG) and may liaise with other standardization bodies, industry fora and Market Representation Partners (MRPs) as appropriate.

The 3GPP TSG Radio Access Network (TSG-RAN) is responsible for the technical co-ordination of the specification work done in the following Working Groups:

* RAN WG1 – Radio Layer 1 (Physical layer)
* RAN WG2 - Radio layer 2 and Radio layer 3 Radio Resource Control
* RAN WG3 – UTRAN/E-UTRAN/NG-RAN architecture and related network interfaces
* RAN WG4 – Radio Performance and Protocol Aspects
* RAN WG5 – Mobile terminal conformance testing

TSG-RAN is responsible for the GERAN, UTRAN, E-UTRAN, NG-RAN and beyond, including their internal structures and functions, of systems for evolved GERAN, UTRAN, E-UTRAN, NG-RAN and beyond.

# Scope of Responsibilities

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Specifically, the 3GPP TSG-RAN has a responsibility for:

* Radio aspects, functions, requirements and interfaces of GERAN, UTRAN (FDD & TDD), E-UTRAN (FDD & TDD), 5G NR and beyond.
* Management of work items placed under its responsibility.

More specifically, TSG-RAN will address the following areas of work for GERAN, UTRAN (FDD & TDD), E-UTRAN, NG-RAN and beyond:

* Specification of layer 1, layer 2 and layer 3 of radio interfaces.
* Overall architecture, including the specification of interfaces between RAN and the Core Network, and of network interfaces within RAN.
* Specification of protocols to positioning server.
* O&M requirements.
* Transport of implementation specific O&M between the Management System and Node B.
* Conformance test specifications for testing of all aspects of base stations.
* Specifications for radio performance and RF system aspects.
* Conformance test specification and test procedures for UE.
* Liaising with other TSGs, in particular TSG SA, to ensure overall co-ordination.
* Elaborating on behalf of 3GPP the submissions to ITU-R.

**Example of info that would be found on 3GPP TSG homepage (only for illustration)**

**Home**

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**Terms of Reference**

The latest terms of reference were approved at [OP47-e](https://www.3gpp.org/ftp/OP/OP_47/) in document [OP47\_xx](https://www.3gpp.org/ftp/OP/OP_47/Docs/OP47_xx.zip).