**3GPP TSG RAN Meeting #91e RP-210194**

**Electronic Meeting, March 16th – 26th, 2020**

**Source: TSG RAN WG1 Chairperson**

**Title: Terms of Reference (ToR) for 3GPP TSG RAN WG1 (RAN1)**

**Agenda item: 5.1**

**Document for: APPROVAL**

# Name

Name: 3GPP TSG RAN WG1

Acronym: RAN1

Label: Radio Layer 1 (Physical layer*)*

# Overview

Within the 3GPP Technical Specification Group Radio Access Network (TSG RAN), 3GPP TSG RAN WG1 (RAN1) is responsible for the development of specifications dealing with Evolved UTRA, 5G NR, and beyond.

~~RAN WG1 (~~RAN1~~)~~ is responsible for specification of the physical layer of the radio Interfaces for UE, Evolved UTRAN, NG-RAN, and beyond. The work in RAN1 includes especially:

* Specification of physical channels and modulation
* Specification of physical layer multiplexing, channel coding and error detection
* Specification of physical layer procedures (both control and data)
* Specification of definition of measurements and their provision by the physical layer to the upper layers

RAN1 also specifies handling of physical layer related UE capabilities and parameters used in device tests.

# Scope of Responsibilities

The 3GPP TSG RAN WG1 is responsible for specification of the physical layer of the radio interfaces for UE, Evolved UTRAN, NG-RAN, and beyond, including:

* Physical layer; General description
* Services provided by the physical layer
* Physical channels and modulation
* Multiplexing and channel coding
* Physical layer procedures (both control and data)
* Physical layer; Measurements
* ~~Etc.~~

# Annex (informative):

None