

**Source: TSG-RAN WG Chairmen**

**Title: Proposed ToRs for TSG-RAN Working Groups**

**To: TSG-RAN**

This document contains the proposed Terms of Reference for each of the TSG-RAN Working Groups.

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## **1 Proposed ToR WG1**

RAN WG1 is responsible for:

- Specification of the physical layer of the radio Interface for UE and UTRAN
- Specification of physical channel structures for UE and UTRAN and mapping of the transport channels to physical channels
- Specification of the physical layer multiplexing and channel coding and error detection
- Specification of the spreading and modulation, including spreading and scrambling codes but excluding pulse shaping filtering
- Specification of the physical layer procedures, such as inner loop power control, physical layer RACH procedure, paging procedure, cell search procedure and measurements procedures with compressed mode.
- Specification of the parameters for compressed mode as well as specification of the measurement details how the measurements made on physical channels are carried out

RAN WG1 is also carrying out work related to the physical layer, such as physical layer aspects of the UE capabilities and examples of the multiplexing and channel coding.

TSG RAN may allocate others tasks to TSG RAN WG1, such as feasibility study of the physical layer aspects in high speed downlink packet access.

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## 2. Proposed ToR WG2

RAN WG2 is responsible for:

- Specification of the radio Interface architecture and protocol termination
- Specification of radio interface protocols between UE and UTRAN
- Specification of the services offered by the physical layer to upper layers (Model, transport channels, physical layer measurements)
- Specification of Cell selection and re-selection procedures
- Technical Report on UE capabilities (for UE-UTRAN interface)
- Definition of RRM strategies to be supported by UTRAN
- Definition of protocol methodology in RAN specifications
- Stage 2 of some Work Items allocated by TSG RAN to RAN WG2 (e.g. Location Services, High Data Rate Feasibility Study, Hybrid ARQ)

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## 3 Proposed ToR WG3

RAN WG3 is responsible for:

- Overall UTRAN architecture (25.401)
- Stage 2 work of Work Items allocated by TSG RAN to RAN WG3
- Iu interface protocol specifications, i.e. access stratum protocols over the Iu reference point (25.41x series)
- Iur and Iub interface protocol specifications (25.42x and 25.43x series of specifications)
- Transport of implementation specific O&M between the Management System and Node B (25.442)

Besides, TSG RAN may allocate other tasks to RAN WG3, such as overall delay budget of the access stratum.

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## 4 Proposed ToR WG4

RAN WG4 is responsible for :

- BTS and Terminal RF specifications
- BTS RF Conformance test specifications
- BTS EMC specification
- End to End performance simulation and specifications
- Radio resource management performance simulation and specification
- RF scenario analysis and simulation