

Agenda Item:

Source: Telecom Italia

Title: Draft New RAN Terms Of Reference

Document for: Discussion

Background

Third generation mobile systems should be based on new wide band, multimode, flexible radio access. This approach will ensure that systems based on 3GPP specifications will be capable of rapid development and deployment of competitive service offerings while still enabling global roaming.

Terms of reference

The technical specification development work within 3GPP 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).

In particular the TSGs report to the Project coordination Group (PCG), and may organize their work in Working Groups and liaise with other groups as appropriate.

Each TSG has the responsibility to develop, approve and maintain the specifications within its terms of reference.

The TSG Radio Access Network (TSG-RAN) is responsible for the UTRAN, including its internal structure, of systems based on 3GPP specifications.

Specifically it has a responsibility for:

- In accordance with the overall service and system architecture, dDefinition of requirements for
 - UTRA Network and UTRA UE air interface
 - UTRA Network functions and interfaces
- Assignment of tasks to RAN WGs for the specification of interfaces, protocols and terminal performance requirements
- Management and verification of work items placed under -its responsibility to ensure consistency with the overall system requirements.
- Liaising with other TSGs to ensure overall co-ordination.

More specifically, TSG-RAN will address the following areas of work:

- Radio Layer 1 specification;
- Radio Layer 2 specification;
- Radio Layer 3 RR specification;
- Iub specification (including logical O&M);
- Iur specification;
- Iu specification;
- UTRAN 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 specifications of terminals, including radio aspects.](#)
- ~~Liaising with other TSGs, in particular TSG SA, to ensure overall co-ordination.~~

Glossary of terms

CN	Core Network
FDD	Frequency Division Duplex
GERAN	GSM EDGE Radio Access Network
IP	Internet Protocol
O&M	Operations and Maintenance
QoS	Quality of Service
RR	Radio Resource
TDD	Time Division Duplex
UE	User Equipment
USIM	Universal Subscriber Identity Module
UTRAN	Universal Terrestrial Radio Access Network
Node B	see TS 25.401
VHE	Virtual Home Environment