
Title: New TSG RAN Terms of Reference
Document for: Approval
Source: TSG RAN/TSG T Officials

Technical Specification Group ~~Radio~~ ~~ADIO~~ ~~ACCESS~~ ~~Access~~ ~~Networks~~ (TSG RAN) (Terms of Reference)

Approved at 3GPP/OP Meeting#~~3-X~~ - ~~Beijing, 18-19 July 2000~~

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:

- ~~Radio aspects of Terminal Equipment and UTRAN functions (FDD & TDD), requirements and interfaces.~~ UTRA Network and UTRA UE air interface (Radio Aspects).
- UTRA Network functions and interfaces.

- Management of work items placed under its responsibility.

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);~~
- Iu, Iur, Iub, Iupc and Iuant interfaces specification;
- ~~Iu specification;~~
- UTRAN O&M requirements;
- Transport of implementation specific O&M between the Management System and ~~node-Node B~~
- Conformance test specifications for ~~testing of~~ all aspects of base stations;
- Specifications for radio performance and RF system aspects.
- Conformance test specifications for RF performance, air interface protocols and functions, and Inter-RAT procedures of UTRA UEs
- UE - CN layer 3 radio protocols (Call Control, Session Management, Mobility Management).
- 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
<u>RAT</u>	<u>Radio Access Technology</u>
RR	Radio Resource
TDD	Time Division Duplex
<u>TSG</u>	<u>Technical Specification Group</u>
<u>TSG SA</u>	<u>TSG Service and System Aspects</u>
UE	User Equipment
USIM	Universal Subscriber Identity Module
<u>UTRA</u>	<u>Universal Terrestrial Radio Access</u>
UTRAN	Universal Terrestrial Radio Access Network
Node B	see TS 25.401

| VHE ~~Virtual Home Environment~~