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~~[CES1]~~), requirements and interfaces.~~ UTRA Network and UTRA UE air interface (or 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);~~
- Iur, Iub, Iupc and Iuant interfaces ~~specification~~;
- ~~Iu specification~~ UTRA Network aspects of the Iu interface[CES2];
- 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, UE - CN layer 3 radio protocols (Call Control, Session Management, Mobility Management)[CES3], and Inter-RAT procedures of UTRA UEs
- 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
RAT	Radio Access Technology
RR	Radio Resource
~~TDD~~	~~Time Division Duplex~~
TSG	Technical Specification Group
TSG SA	TSG Service and System Aspects
UE	User Equipment
~~USIM~~	~~Universal Subscriber Identity Module~~
UTRA	Universal Terrestrial Radio Access
UTRAN	Universal Terrestrial Radio Access Network
Node B	see TS 25.401
~~VHE~~	~~Virtual Home Environment~~