

**Source: Secretary**

**Title: Creation of TSG GERAN**

**Agenda item: 5.3**

**Document for:**

Decision	X
Discussion	
Information	

## **1 Introduction**

The report from the ad hoc group on the movement of GSM radio into 3GPP recommends that if it is decided to transfer the GSM work, then it would best be accommodated in a new Technical Specification Group (TSG) called GERAN (GSM/EDGE Radio Access Network) [3GPP/OP#3(00)06].

The Organizational Partners have agreed by email correspondence to the principles of transferring the work and of creating a new TSG. The Organization should now:

- i) Approve the creation of the new TSG
- ii) Approve the proposed Terms of Reference annexed to this document.

## GSM/EDGE Radio Access Network Technical Specification Group (TSG-GERAN) Terms of Reference

### Background

Operators of GSM/GPRS systems need an evolution and interoperability strategy. Evolution of GSM/EDGE radio access technologies offers such a path. 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 GSM/EDGE Radio Access Network (TSG-GERAN) is responsible for the radio access part for GERAN specifications

Specifically it has a responsibility for:

- GERAN Radio aspects, and interfaces.
- Management of work items placed under its responsibility.

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

- RF aspects of GERAN
- GERAN Radio Layer 1 specification;
- GERAN Radio Layer 2 specification;
- GERAN Radio Layer 3 RR specification
- A interface specification, Gb interface specification
- Internal GERAN interface specifications such as  $A_{bis}$ , and  $A_{ter}$  (CCU-TRAU)
- Conformance test specifications for testing of all aspects of GERAN base stations
- Conformance test specifications for testing of all aspects of GERAN terminals
- Specifications for GERAN radio performance and RF system aspects.
- GERAN specific O&M specifications for the nodes in the GERAN
- Liaising with other TSGs to ensure overall co-ordination.

**Glossary of terms**

CCU	Channel Codec Unit
CN	Core Network
GSM	Global System for Mobiles
EDGE	Enhanced Data for GSM Evolution
RR	Radio Resource
TRAU	Transcoder and Rate Adapter Unit
O&M	Operations and Maintenance