

**3GPP1 TSG (Common meeting)
Sophia Antipolis 7-8/12/98**

Tdoc TSG#1(98)007

Doc For	TSG SA	TSG CN	TSG RAN	TSG T
Decision				
Discussion	X	X	X	X
Information				

Source: ARIB/ETSI/T1/TTA/TT

Subject: Technical Specification Groups Terms of Reference.

Agenda item:

Attached are the Technical Specification Groups Terms of Reference as approved on 4 December 1998 in Copenhagen.

Please note the change of the name of TSG System Aspects to "Service and System Aspects".

**Each TSG is invited to discuss and review its own Terms of Reference.
The ToRs for other TSGs are provided for information.**

TERMS OF REFERENCE

CORE NETWORK Technical Specification Group

Background

The third generation systems based on 3GPP specifications will rely on evolutions from the GSM network standards. 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 **Core Network** (TSG-N) is responsible for the specifications of the Core network part of systems based on 3GPP specifications.

Specifically it has a responsibility for :

- User Equipment - Core network layer 3 radio protocols (Call Control, Session Management, Mobility Management).
- Core Network internal interfaces for Call Associated and Non Call Associated signaling
- Interconnection of the Core Network with external networks
- Management of work items placed under its responsibility

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

- Mobility management, call connection control signalling between the user equipment and the core network,
- Core network signalling between the core network nodes. The signalling supports functionality such as user information, subscription information and control of network services,
- Definition of interworking functions between the core network and external networks,
- Packet related matters such as mapping of QoS [e.g. transparency for IP domain applications, general for bearer types, special for optimized application such as Voice over IP],
- Core network aspects of the lu interface.
- Core network O&M requirements.

Glossary of terms

CN

Core Network

3GPP

Terms of reference
TSG N
Version : 2a
Date :3 Dec 1998

IP	Internet Protocol
O&M	Operations and Maintenance
QoS	Quality of Service
RR	Radio Resource
UE	User Equipment
USIM	UMTS Subscriber Interface Module
UTRAN	Universal Terrestrial Radio Access Network
VHE	Virtual Home Environment

TERMS OF REFERENCE

RADIO ACCESS NETWORK

Technical Specification Group

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

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The TSG **Radio Access Network** (TSG-R) is responsible for the radio access part, including its internal structure, of systems based on 3GPP specifications.

Specifically it has a responsibility for :

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- Terminal Equipment and UTRAN functions, requirements and interfaces. Management of work items placed under its responsibility.

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

- Radio Layer 1 specification
- Radio Layer 2 specification
- Radio Layer 3 RR specification
- Iub specification
- Iur specification
- Iu specification
- UTRAN O&M requirements
- Base station radio performance specification
- Conformance test specifications for testing of radio aspects of base stations
- Specifications for radio performance aspects from the system point of view

Glossary of terms

3GPP

Terms of reference
TSG-R
Version : 2a
Date :3 Dec 1998

CN	Core Network
IP	Internet Protocol
O&M	Operations and Maintenance
QoS	Quality of Service
RR	Radio Resource
UE	User Equipment
USIM	UMTS Subscriber Interface Module
UTRAN	Universal Terrestrial Radio Access Network
VHE	Virtual Home Environment

TERMS OF REFERENCE

SERVICE AND SYSTEM ASPECTS Technical Specification Group

Background

One key aspect of third generation systems is that they should be based on defined «service capabilities» rather than on defined services. 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 via the Virtual Home Environment (VHE) concept.

Terms of reference

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

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The TSG **Systems Aspects** (TSG-S) is responsible for the overall architecture and service capabilities of systems based on 3GPP specifications and, as such, has a responsibility for cross TSG co-ordination. Any difficulty that may appear in this rôle shall be reported to the PCG.

Specifically it has a responsibility for:

- Overall system architecture including the assignment of functions to particular subsystems (UTRAN, CN, Terminal Equipment, USIM), key information flows and definition of required bearers and services offered by these different subsystems.
- Development of a framework for services, service capabilities, service architecture, charging and consideration of need for «default» services and/or applications
- Definition of a security framework and review of security aspects of overall system
- Management of work items including assignment of tasks to other TSGs and monitoring of progress

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

- **Services Capabilities**
 - Definition of service and feature requirements
 - Development of service capabilities and a service architecture for cellular, fixed [and cordless applications].
- **Operational capabilities :**
 - Charging and Accounting
 - Network Management

3GPP

Terms of reference
TSG S
Version :2a
Date :3 Dec 1998

- Security Aspects
- **Architecture**
 - Definition, evolution and maintenance of the overall architecture including the assignment of functions to particular subsystems (e.g. UTRAN, CN, Terminal Equipment, USIM) and key information flows.
 - In co-operation with the other TSGs, define required services, service capabilities and bearers capabilities offered by the different subsystems, including Quality of Service requirements for access to both packet and circuit switched networks.
- **CODEC aspects**
 - Principles for definition of end-to-end transmission.
 - Definition, evolution and maintenance of relevant specifications.
- **Project Coordination**
 - High level coordination of the technical work performed in other TSGs and monitoring of progress.

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TERMS OF REFERENCE

TERMINALS Technical Specification Group

Background

One of the key objectives of third generation systems is that they should aim at providing services anywhere, anytime. This translates into requirements for the 3GPP terminals to roam freely between networks and to be able to circulate freely around the globe.

Terms of reference

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The TSG **Terminals** (TSG-T) is responsible for specifying the Terminal Equipment interfaces ensuring that terminals based on the relevant 3GPP specifications meet the 3GPP objectives.

Specifically it has a responsibility for :

- Terminal Equipment radio performance specifications
- USIM interface specifications
- Management of the work items placed under its responsibility

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

- Service capability protocols,
- Messaging,
- Services end-to-end interworking,
- USIM to Mobile Terminal interface,
- Model/framework for terminal interfaces and service (application) execution
- Conformance test specifications of terminals, including radio aspects,

Glossary of terms

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O&M	Operations and Maintenance
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3GPP

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