

Source: CN and T TSG Leaders

Title: Proposed CT Terms of Reference

Agenda item: 8.1.2

Document for:

Decision	X
Discussion	
Information	

1. Introduction

At PCG#13, the CN and T leadership was tasked with proposing the Terms of Reference for the new TSG-CT. This ToR should be discussed within CN and T and once agreed, passed to the PCG for ratification.

The bulk of the Terms of Reference are derived from the original CN and T charters with updating to address the coverage of IMS and terminal based applications.

2. Background

The third generation systems based on 3GPP specifications will rely on evolutions from the GSM network and terminal 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. 3GPP terminals should be able to roam freely between networks and to be able to circulate freely around the globe.

3. 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 and Terminals (TSG CT) is responsible for specifying the Core Network and Terminal Equipment aspects 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

- SIM/USIM/ISIM and its interface specifications
- Terminal or Network based applications supported by 3GPP terminals
- Management of the work items placed under its responsibility

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

- Mobility management, call connection control and session management signalling between the user equipment and the core network (e.g, 24.008 signaling, SIP/SDP signalling),
- Core network signalling between the core network nodes. The signalling supports functionality such as user information, subscription information and control of network services.
- Interworking with 2nd generation networks (e.g. handover to / from GSM).
- Interworking with external networks (e.g., WLAN, non-IMS SIP, PSTN)
- Packet related matters such as mapping of QoS [e.g. transparency for IP domain applications, general for bearer types, special for optimized applications such as Voice over IP].
- IP Multimedia signaling
- Core network aspects of the Iu interface.
- Core network O&M requirements.
- Service capability protocols,
- Core network and terminal aspects of applications such as messaging or content sharing
- Interfaces for 3rd party application development
- Services end-to-end interworking,
- SIM/USIM/ISIM to Mobile Terminal interface, functionality, and testing.
- Model/framework for terminal interfaces and service (application) execution
- Multi-mode terminals
- Liaising with other TSGs as appropriate.

4. Glossary of terms

IMS	IP Multimedia Subsystem
IP	Internet Protocol
O&M	Operations and Maintenance
QoS	Quality of Service
PSTN	Public Switched Telephony Network
SIM/USIM/ISIM	Subscriber Interface Modules
WLAN	Wireless Local Access Network