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| **Source:** | **TSG-CN Chair** |
| **Title:** | **Revision of TSG-CN ToR** |
| **Agenda item:** | **8.5** |
| **Document for:** | **APPROVAL** |

## 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 and integration of the Core Network with external networks

Suitability analysis, validation, and if necessary extension of protocols developed externally to the 3GPP.

Management of work items placed under its responsibility

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

Mobility management, call connection control and session management 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.

Interworking with 2nd generation networks (e.g. handover to / from GSM).

Definition of interworking functions between the core network and external networks,

Packet related matters such as mapping of Transport evolution, QoS [e.g. transparency for IP domain applications, general for bearer types, special for optimized applications such as Voice over IP],

Core network aspects of the Iu interface.

Specification of application interfaces for the development of Core network service platforms (e.g. OSA).

Core network O&M requirements.

Glossary of terms

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| 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 |