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**Digital cellular telecommunications system (Phase 2+) (GSM);
Universal Mobile Telecommunications System (UMTS);
Numbering, addressing and identification
(3GPP TS 23.003 version 14.6.0 Release 14)**



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Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The present document defines the principal purpose and use of International Mobile station Equipment Identities (IMEI) within the digital cellular telecommunications system and the 3GPP system.

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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1 Scope

The present document defines the principal purpose and use of International Mobile station Equipment Identities (IMEI) within the digital cellular telecommunications system and the 3GPP system.

The present document defines:

- a) an identification plan for mobile subscribers in the GSM system;
- b) principles of assigning telephone and ISDN numbers to MSs in the country of registration of the MS;
- c) principles of assigning Mobile Station (MS) roaming numbers to visiting MSs;
- d) an identification plan for location areas, routing areas, and base stations in the GSM system;
- e) an identification plan for MSCs, SGSNs, GGSNs, and location registers in the GSM system;
- f) principles of assigning international mobile equipment identities;
- g) principles of assigning zones for regional subscription;
- h) an identification plan for groups of subscribers to the Voice Group Call Service (VGCS) and to the Voice Broadcast Service (VBS); and identification plan for voice group calls and voice broadcast calls; an identification plan for group call areas;
- i) principles for assigning Packet Data Protocol (PDP) addresses to mobile stations;
- j) an identification plan for point-to-multipoint data transmission groups;
- k) an identification plan for CN domain, RNC and service area in the UTRAN system.
- l) an identification plan for mobile subscribers in the WLAN system.
- m) addressing and identification for IMS Service Continuity
- n) an identification plan together with principles of assignment and mapping of identities for the Evolved Packet System; and
- o) addressing and identification for Proximity-based (ProSe) Services.
- p) an identification for Online Charging System (OCS).

The present document specifies functions, procedures and information which apply to GERAN Iu mode. However, functionality related to GERAN Iu mode is neither maintained nor enhanced.

1.1 References

1.1.1 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TS 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.008: "Organization of subscriber data".