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Stage 2
(3GPP TS 23.060 version 13.6.0 Release 13)

3GPP A GLOBAL INITIATIVE
GSM® GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS

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Contents

Foreword

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1 Scope

The present document defines the stage-2 service description for the General Packet Radio Service (GPRS) which is a packet bearer service and a main part of the packet domain. ITU-T Recommendation I.130 [29] describes a three-stage method for characterisation of telecommunication services, and ITU-T Recommendation Q.65 [31] defines stage 2 of the method. The GPRS described in the present document is also the description of the GERAN and UTRAN related functionality of the Evolved Packet System (EPS) according to TS 23.401 [89].

The present document does not cover the Radio Access Network functionality. TS 43.064 [11] contains an overall description of the GSM EDGE Radio Access Network (GERAN). TS 25.401 [53] contains an overall description of the Universal Terrestrial Radio Access Network (UTRAN). TS 43.051 [74] contains an overall description of GSM/EDGE Radio Access Network.

The present document does not cover the functionality of the GPRS enhancements for the Evolved Universal Terrestrial Radio Access Network (E-UTRAN). This functionality and also the interoperation functionality between E-UTRAN and GERAN/UTRAN accesses are described in TS 23.401 [89].

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 since Rel-9.

2 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. For 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] Void.

[2] 3GPP TS 41.061: "General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements".

[3] 3GPP TS 22.060: "General Packet Radio Service (GPRS); Service description; Stage 1".

[4] 3GPP TS 23.003: "Numbering, addressing and identification".

[5] 3GPP TS 23.007: "Restoration procedures".

[5b] 3GPP TS 23.016: "Subscriber data management; Stage 2".

[6] 3GPP TS 43.020: "Security related network functions".

[7] GSM 03.22: "Digital cellular telecommunications system (Phase 2+); Functions related to Mobile Station (MS) in idle mode and group receive mode".

[7b] 3GPP TS 23.122: "Non-Access Stratum functions related to Mobile Station (MS) in idle mode".

[8] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".

[8b] 3GPP TS 23.078: "Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2".

[9] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[10] Void.