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Universal Mobile Telecommunications System (UMTS);  
LTE;  
Point-to-Point (PP) Short Message Service (SMS)  
support on mobile radio interface  
(3GPP TS 24.011 version 13.0.0 Release 13)**



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## Foreword

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# Foreword

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

The present document defines the Short Message Service (SMS) support on mobile radio interface within the 3GPP system.

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# 1 Scope

The present document specifies the procedures used across the mobile radio interface by the signalling layer 3 function Short Message Control (SMC) and Short Message Relay function (SM-RL) for circuit switched in A/Gb mode, GPRS and EPS.

## 1.1 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.
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- 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] Void.
- [1a] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS) Point-to-Point (PP)".
- [3a] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".
- [3] 3GPP TS 44.006: "Mobile Station - Base Station System (MS - BSS) interface; Data Link (DL) layer specification".
- [4] 3GPP TS 24.007: "Mobile radio interface signalling layer 3; General aspects".
- [5] 3GPP TS 24.008: "Mobile radio interface layer 3 specification".
- [5a] 3GPP TS 25.331: "Radio Resource Control (RRC); Protocol Specification".
- [5b] 3GPP TS 33.102: "3G Security; Security Architecture".
- [5c] 3GPP TS 42.017: "Subscriber Identity Modules (SIM); Functional characteristics".
- [6a] 3GPP TS 44.064: "General Packet Radio Service (GPRS); Logical Link Control (LLC) layer specification".
- [6] ISO 7498: "Information processing systems - Open Systems Interconnection - Basic Reference Model".
- [7] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".
- [8] 3GPP TS 25.413: "UTRAN Iu interface RANAP signalling".
- [9] 3GPP TS 23.401: "General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access".
- [10] 3GPP TS 24.301: "Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3".
- [11] 3GPP TS 23.272: "Circuit Switched Fallback in Evolved Packet System; Stage 2".
- [12] 3GPP TS 29.118: "Mobility Management Entity (MME) – Visitor Location Register (VLR) SGs interface specification".