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**Digital cellular telecommunications system (Phase 2+) (GSM);
Physical layer on the radio path;
General description
(3GPP TS 45.001 version 13.2.0 Release 13)**

3GPP™ A GLOBAL INITIATIVE
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1 Scope

The present document is an introduction to the 45 series of the digital cellular telecommunications systems GSM technical specifications. It is not of a mandatory nature, but consists of a general description of the organization of the physical layer with reference to the technical specifications where each part is specified in detail. It introduces furthermore, the reference configuration that will be used throughout this series of technical specifications.

1.1 References

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

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[1] 3GPP TR 21.905: 'Vocabulary for 3GPP Specifications'.

[2] 3GPP TR 23.003: 'Numbering, Addressing and Identification'.

[3] 3GPP TS 23.034: 'High Speed Circuit Switched Data (HSCSD); Stage 2'.

[4] 3GPP TS 43.020: 'Security-related Networks Functions'.

[5] 3GPP TS 43.022: 'Functions related to Mobile Station (MS) in idle mode and group receive mode'.

[6] 3GPP TR 43.030: 'Radio network planning aspects'

[7] 3GPP TS 43.052: 'Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2'.

[8] 3GPP TS 43.064: 'Overall description of the GPRS radio interface; Stage 2'.

[9] 3GPP TS 44.003: 'Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities'.

[10] 3GPP TS 44.018: 'Mobile radio interface layer 3 specification; Radio Resource Control Protocol'

[11] 3GPP TS 44.021: 'Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface'

[12] 3GPP TS 44.060: 'General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol'.

[13] 3GPP TS 45.002: 'Multiplexing and multiple access on the radio path'.

[14] 3GPP TS 45.003: 'Channel coding'.

[15] 3GPP TS 45.004: 'Modulation'.

[16] 3GPP TS 45.005: 'Radio transmission and reception'.

[17] 3GPP TS 45.008: 'Radio subsystem link control'.

[18] 3GPP TS 45.009: 'Link adaptation'.

[19] 3GPP TS 45.010: 'Radio subsystem synchronization'.

[20] 3GPP TS 45.056: 'GSM Cordless Telephony System (CTS); Phase 1; CTS-FP Radio subsystem'.