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Digital cellular telecommunications system; Mobile radio interface layer 3;
Supplementary services specification; General aspects (GSM 04.10 version 5.0.1)

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ICS:

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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**Digital cellular telecommunications system;
Mobile radio interface layer 3
Supplementary services specification;
General aspects
(GSM 04.10 version 5.0.1)**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 4 92 94 42 00 - Fax: +33 4 93 65 47 16

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) Technical Committee (TC) of the European Telecommunications Standards Institute (ETSI).

This ETS defines the general aspects of the " of supplementary services at the layer 3 radio interface within the digital cellular telecommunications system.

This ETS is a GSM Technical Specification version 5.

The specification from which this ETS has been derived was originally based on CEPT documentation, hence the presentation of this ETS may not be entirely in accordance with the ETSI rules.

Transposition dates	
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1 Scope

In this European Telecommunication Standard (ETS) the general aspects of the specification of supplementary services at the layer 3 radio interface are given.

GSM 04.8x and 04.9x-series specify the procedures used at the radio interface (reference point Um as defined in GSM 04.02) for normal operation, registration, erasure, activation, deactivation, invocation and interrogation of supplementary services. Provision and withdrawal of supplementary services is an administrative matter between the mobile subscriber and the service provider and cause no signalling on the radio interface.

GSM 04.08 and GSM 04.80 specifies the formats and coding for the supplementary services.

Definitions and descriptions of supplementary services are given in GSM 02.04 and GSM 02.8x and 02.9x-series.

Technical realization of supplementary services is described in GSM 03.11 and GSM 03.8x and 03.9x-series.

The procedures for Call Control, Mobility Management and Radio Resource management at the layer 3 radio interface are defined in GSM 04.07 and GSM 04.08.

1.1 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

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- [1] GSM 01.04 (ETR 350): "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".
- [2] GSM 02.04 (ETS 300 918): "Digital cellular telecommunications system (Phase 2+); General on Supplementary Services".
- [3] GSM 02.81: "Digital cellular telecommunications system; Line identification supplementary services - Stage 1".
- [4] GSM 02.82: "Digital cellular telecommunications system (Phase 2+); Call Forwarding (CF) supplementary services - Stage 1".
- [5] GSM 02.83: "Digital cellular telecommunications system; Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 1".
- [6] GSM 02.84: "Digital cellular telecommunications system; MultiParty (MPTY) Supplementary Services - Stage 1".
- [7] GSM 02.85: "Digital cellular telecommunications system; Closed User Group (CUG) Supplementary Services - Stage 1".
- [8] GSM 02.86: "Digital cellular telecommunications system; Advice of charge (AoC) Supplementary Services - Stage 1".

- [9] GSM 02.88: "Digital cellular telecommunications system; Call Barring (CB) Supplementary Services - Stage 1".
- [10] GSM 02.90: "Digital cellular telecommunications system; Unstructured Supplementary Service Data (USSD) - Stage 1".
- [11] GSM 02.91: "Digital cellular telecommunications system (Phase 2+); Explicit Call Transfer (ECT)".
- [12] GSM 03.11 (ETS 300 928): "Digital cellular telecommunications system; Technical realization of supplementary services".
- [13] GSM 03.81: "Digital cellular telecommunications system; Line identification supplementary services - Stage 2".
- [14] GSM 03.82: "Digital cellular telecommunications system; Call Forwarding (CF) supplementary services - Stage 2".
- [15] GSM 03.83: "Digital cellular telecommunications system; Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 2".
- [16] GSM 03.84: "Digital cellular telecommunications system; MultiParty (MPTY) supplementary services - Stage 2".
- [17] GSM 03.85: "Digital cellular telecommunications system; Closed User Group (CUG) supplementary services - Stage 2".
- [18] GSM 03.86 (ETS 300 935): "Digital cellular telecommunications system; Advice of Charge (AoC) supplementary services - Stage 2".
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- [21] GSM 03.91: "Digital cellular telecommunications system (Phase 2+); Explicit Call Transfer (ECT) supplementary service - Stage 2".
- [22] GSM 04.02: "Digital cellular telecommunications system (Phase 2+); GSM Public Land Mobile Network (PLMN) access reference configuration".
- [23] GSM 04.03: "Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Stations system (MS - BSS) interface; Channel structures and access capabilities".
- [24] GSM 04.04 (ETS 300 936): "Digital cellular telecommunications system; Layer 1; General requirements".
- [25] GSM 04.05 (ETS 300 937): "Digital cellular telecommunications system; Data Link (DL) layer; General aspects".
- [26] GSM 04.06 (ETS 300 938): "Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS) interface; Data Link (DL) layer specification".

- [27] GSM 04.07 (ETS 300 939): "Digital cellular telecommunications system (Phase 2+); Mobile radio interface signalling layer 3; General aspects".
- [28] GSM 04.08 (ETS 300 940): "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification".
- [27] GSM 04.80 (ETS 300 950): "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 supplementary services specification; Formats and coding".
- [28] GSM 04.81 (ETS 300 951): "Digital cellular telecommunications system; Line identification supplementary services - Stage 3".
- [29] GSM 04.82 (ETS 300 952): "Digital cellular telecommunications system; Call Forwarding (CF) supplementary services - Stage 3".
- [30] GSM 04.83 (ETS 300 953): "Digital cellular telecommunications system; Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3".
- [31] GSM 04.84 (ETS 300 954): "Digital cellular telecommunications system; MultiParty (MPTY) supplementary services - Stage 3".
- [32] GSM 04.85: "Digital cellular telecommunications system; Closed User Group (CUG) supplementary services - Stage 3".
- [33] GSM 04.86 (ETS 300 955): "Digital cellular telecommunications system; Advice of Charge (AoC) supplementary services - Stage 3".
- [34] GSM 04.88 (ETS 300 956): "Digital cellular telecommunications system; Call Barring (CB) supplementary services - Stage 3".
- [35] GSM 04.90 (ETS 300 957): "Digital cellular telecommunications system; Unstructured Supplementary Service Data (USSD) - Stage 3".
- [36] GSM 05.01: "Digital cellular telecommunications system (Phase 2+); Physical layer on the radio path; General description".
- [37] GSM 05.02 (ETS 300 908): "Digital cellular telecommunications system (Phase 2+); Multiplexing and multiple access on the radio path".
- [38] GSM 05.03 (ETS 300 909): "Digital cellular telecommunications system (Phase 2+); Channel coding".
- [39] GSM 05.04 (ETS 300 959): "Digital cellular telecommunications system; Modulation".
- [40] GSM 05.05 (ETS 300 910): "Digital cellular telecommunications system (Phase 2+); Radio transmission and reception".
- [41] GSM 05.08 (ETS 300 911): "Digital cellular telecommunications system (Phase 2+); Radio subsystem link control".

- [42] GSM 05.10 (ETS 300 912): "Digital cellular telecommunications system (Phase 2+); Radio subsystem synchronization".
- [43] GSM 05.90 (ETR 357): "Digital cellular telecommunications system; GSM Electro Magnetic Compatibility (EMC) considerations".
- [44] GSM 09.02 (ETS 300 974): "Digital cellular telecommunications system (Phase 2+); Mobile Application Part (MAP) specification".
- [45] GSM 09.11: "Digital cellular telecommunications system (Phase 2+); Signalling interworking for supplementary services".
- [46] CCITT Recommendation Q.774 (White Book): "Specifications of Signalling System No.7; Transaction capabilities procedures".

1.2 Abbreviations

Abbreviations used in this ETS are listed in GSM 01.04.

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