



SLOVENSKI STANDARD SIST ETS 300 943 E1:2003

01-december-2003

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Digital cellular telecommunications system (Phase 2+) (GSM); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface (GSM 04.12 version 5.0.2)

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Ta slovenski standard je istoveten z: **ETS 300 943 Edition 1**

ICS:

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 943

April 1997

Source: ETSI TC-SMG

Reference: DE/SMG-030412Q

ICS: 33.020

Key words: Digital cellular telecommunications system, Global System for Mobile communications (GSM)



**Digital cellular telecommunications system (Phase 2+);
Short Message Service Cell Broadcast (SMSCB)
support on the mobile radio interface
(GSM 04.12 version 5.0.2)**

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Contents

Foreword	5
1 Scope	7
1.1 Normative references	7
1.2 Abbreviations	7
2 General description	7
2.1 Scheduling Information	8
3 Message format on BTS-MS Interface.....	8
3.1 General	8
3.2 Format convention	9
3.2.1 Numbering convention	9
3.2.2 Order of bit transmission	9
3.3 Block content	9
3.3.1 Block Type.....	10
3.4 SMSCB Message.....	10
3.5 Schedule Message	11
3.5.1 Header.....	11
3.5.2 New CBSMS Message Bitmap.....	12
3.5.3 New CBSMS Message Description	12
3.5.4 Other Message Descriptions	12
3.5.5 Message description encoding.....	13
3.5.5.1 First transmission of an SMSCB within the Schedule Period	13
3.5.5.2 Retransmission indication.....	14
3.5.5.3 Free Message Slot, optional reading	14
3.5.5.4 Free Message Slot, reading advised	14
3.5.5.5 Reserved Codepoints	14
Annex A (informative): Sample Implementation of SMSCB DRX Mode	15
History.....	17

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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 describes how the Short Message Service Cell Broadcast (SMS-CB) is supported over the mobile radio interface within the digital cellular telecommunications system (Phase 2+).

This ETS is a GSM technical specification version 5, which incorporates GSM Phase 2+ enhancements/features to the version 4 GSM technical specification. The ETS from which this Phase 2+ ETS has evolved is Phase 2 GSM ETS 300 560 Edition 3 (GSM 04.12 version 4.6.0).

The contents of this ETS is subject to continuing work within TC-SMG and may change following formal TC-SMG approval. Should TC-SMG modify the contents of this ETS, it will be resubmitted for OAP by ETSI with an identifying change of release date and an increase in version number as follows:

Version 5.x.y

where:

- y the third digit is incremented when editorial only changes have been incorporated in the specification;
- x the second digit is incremented for all other types of changes, i.e. technical enhancements, corrections, updates, etc.

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 drafting rules.

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(standard by iTeh) Transposition dates

Date of adoption:	28 March 1997
Date of latest announcement of this ETS (doa):	31 July 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 January 1998
Date of withdrawal of any conflicting National Standard (dow):	31 January 1998

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1 Scope

This European Telecommunication Standard (ETS) describes how the Short Message Service Cell Broadcast (SMSCB) (Teleservice 23 as specified in GSM 02.03) is supported over the mobile radio interface.

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.

- [1] GSM 01.04 (ETR 350): "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".
- [2] GSM 02.03 (ETS 300 905): "Digital cellular telecommunications system (Phase 2+); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".
- [3] GSM 03.41 (ETS 300 902): "Digital cellular telecommunications system (Phase 2+); Technical realization of Short Message Service Cell Broadcast (SMSCB)".
- [4] GSM 04.04 (ETS 300 936): "Digital cellular telecommunications system; layer 1 General requirements".
- [5] 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".
- [6] GSM 05.02 (ETS 300 908): "Digital cellular telecommunications system (Phase 2+); Multiplexing and multiple access on the radio path".

1.2 Abbreviations

Abbreviations used in this ETS are listed in GSM 01.04.

2 General description

SMSCB is a service in which short messages may be broadcast from a PLMN to Mobile Stations (MS)s. SMSCB messages come from different sources (e.g. traffic reports, weather reports). The source and subject of the SMSCB message is identified by a message identifier in the SMSCB message header. A sequence number in the SMSCB message header enables the MS to determine when a new message from a given source is available.

SMSCB messages are not acknowledged by the MS. Reception of SMSCB messages by the MS is only possible in idle mode. The geographical area over which each SMSCB message is transmitted is selected by the PLMN operator, by agreement with the provider of the information.

A SMSCB message is an end-to-end message that is formatted by/for the SMSCB application, and which is intended for customer viewing. Its format is described in detail in GSM 03.41. A CB message is any message sent on the basic or extended CBCH (see GSM 05.02). It can be an occurrence of a SMSCB message, or a schedule message.