



# SLOVENSKI STANDARD SIST ETS 300 904 E1:2003

01-december-2003

8 [[ ]Hb]`W` b]`h`Y\_ca i b]\_UW`g\_]`g]ghYa `fZuU&ZL`E`Bcg]`bY`g]cf]hj Y`f6 GkZ\_]`1  
dcXd]fU`Uj bc`\_cdYbg\_c`a cV]bc`ca fY`Y`fD@A Bk]g]ghYa U; GA`f GA`\$&`\$ž  
fU`] ]WU) "&`%k

Digital cellular telecommunications system (Phase 2+) (GSM); Bearer Services (BS)  
supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02 version 5.2.1)

**iteh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 904 E1:2003](https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-101d400c6738/sist-ets-300-904-e1-2003)

Ta slovenski standard je istoveten z:

ETS 300 904 Edition 1

## **ICS:**

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
-----------	--	---

**SIST ETS 300 904 E1:2003**

**en**

## **iTeh STANDARD PREVIEW (standards.iteh.ai)**

SIST ETS 300 904 E1:2003

<https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003>



# EUROPEAN TELECOMMUNICATION STANDARD

**ETS 300 904**

April 1997

Source: ETSI TC-SMG

Reference: DE/SMG-010202QR1

ICS: 33.020

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



## Digital cellular telecommunications system (Phase 2+); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02 version 5.2.1)

### 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

**Copyright Notification:** No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1997. All rights reserved.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ETS 300 904 E1:2003](https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003>

## Contents

Foreword .....	5
0 Scope .....	7
0.1 Normative references .....	7
0.2 Abbreviations .....	8
1 Framework for defining Bearer Services.....	8
2 Bearer Service categories .....	10
3 Bearer Services .....	11
3.1 General bearer service user data characteristics .....	13
3.1.1 3.1 kHz Audio .....	13
3.1.2 V.110 UDI .....	14
3.1.3 X.31 Flag Stuffing UDI.....	14
3.1.4 V.120 .....	14
3.1.5 Bit Transparent Mode .....	15
History.....	16

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 904 E1:2003](https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003>

Blank page

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 904 E1:2003](https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003>

## 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 a set of Bearer Services to be provided within the digital cellular telecommunications system (Phase 2+).

This ETS is a TC-SMG approved GSM technical specification version 5, which contains GSM Phase 2+ enhancements/features to the version 4 GSM technical specification.

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.

## iTeh STANDARD PREVIEW

### Transposition dates

Date of adoption:	21 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

Blank page

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST ETS 300 904 E1:2003](https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/8efaabd4-7247-419e-acc8-161d460e6738/sist-ets-300-904-e1-2003>



## 0 Scope

This European Telecommunication Standard (ETS) defines a set of Bearer Services to be provided to GSM PLMN subscribers by a GSM PLMN itself and in connection with other networks. This ETS should also be used as a reference for defining the corresponding required mobile network capabilities which are specified by means of the "GSM PLMN connection type" concept, defined in GSM 03.10 [4].

The recommended provision of the Bearer Services is under the control of the GSM MoU and is out of the scope of ETSI TC-SMG.

Bearer Services not included in this ETS that require modifications to the GSM signalling specifications should not be introduced unilaterally by a mobile network operator.

### 0.1 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 02.01: "Digital cellular telecommunications system (Phase 2+); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)".
- [3] GSM 02.04 (ETS 300 918): "Digital cellular telecommunications system (Phase 2+); General or supplementary services".
- [4] GSM 03.10: "Digital cellular telecommunications system (Phase 2+); GSM Public Land Mobile Network (PLMN) connection types".  
<https://standards.iteh.ai/catalog/standards/sist/8cfaabd4-7247-419e-ac88-161d460e6738/sist-ets-300-904-e1-2003>
- [5] GSM 04.02: "Digital cellular telecommunications system (Phase 2+); GSM Public Land Mobile Network (PLMN) access reference configuration".
- [6] GSM 07.01 (ETS 300 913): "Digital cellular telecommunications system (Phase 2+); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)".
- [7] GSM 07.02 (ETS 300 914): "Digital cellular telecommunications system (Phase 2+); Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities".
- [8] GSM 07.03 (ETS 300 915): "Digital cellular telecommunications system (Phase 2+); Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities".
- [9] GSM 07.05: "Digital cellular telecommunications system (Phase 2+); Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)".
- [10] GSM 09.02 (ETS 300 974): "Digital cellular telecommunications system (Phase 2+); Mobile Application Part (MAP) specification".
- [11] GSM 09.03: "Digital cellular telecommunications system; Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)".