

**Digital cellular telecommunications system (Phase 2+);
Multiplexing and multiple access on the radio path
(GSM 05.02 version 5.8.1 Release 1996)**
(ETS 300 908 V5.8.1:1999-08)

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Die letztgültige Version ist: ÖNORM EN 300908 V 8.5.1:2001-02-01

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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

Internet: secretariat@etsi.fr - <http://www.etsi.org>

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

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Contents

Intellectual Property Rights	6
Foreword	6
1 Scope	8
1.1 Normative references	8
1.2 Abbreviations	8
2 General.....	9
3 Logical channels	9
3.1 General	9
3.2 Traffic channels	9
3.2.1 General.....	9
3.2.2 Speech traffic channels.....	9
3.2.3 Circuit switched data traffic channels	9
3.3 Control channels.....	10
3.3.1 General.....	10
3.3.2 Broadcast channels.....	10
3.3.2.1 Frequency correction channel (FCCH).....	10
3.3.2.2 Synchronization channel (SCH)	10
3.3.2.3 Broadcast control channel (BCCH)	10
3.3.3 Common control type channels	11
3.3.3.1 Common control type channels, known when combined as a common control channel (CCCH).....	11
3.3.4 Dedicated control channels	11
3.3.4.1 Circuit switched dedicated control channels	11
3.3.5 Cell Broadcast Channel (CBCH).....	11
3.4 Combination of channels	11
4 The physical resource	12
4.1 General	12
4.2 Radio frequency channels	12
4.2.1 Cell allocation and mobile allocation.....	12
4.2.2 Downlink and uplink	12
4.3 Timeslots and TDMA frames	12
4.3.1 General.....	12
4.3.2 Timeslot number	12
4.3.3 TDMA frame number.....	12
5 Physical channels	13
5.1 General	13
5.2 Bursts.....	13
5.2.1 General.....	13
5.2.2 Types of burst and burst timing.....	13
5.2.3 Normal burst (NB)	13
5.2.4 Frequency correction burst (FB)	14
5.2.5 Synchronization burst (SB)	15
5.2.6 Dummy burst.....	15
5.2.7 Access burst (AB)	16
5.2.8 Guard period	16
5.3 Physical channels and bursts	16
5.4 Radio frequency channel sequence	16
5.5 Timeslot and TDMA frame sequence	17
5.6 Parameters for channel definition and assignment	17
5.6.1 General.....	17

5.6.2	General parameters.....	17
5.6.3	Specific parameters.....	17
6	Mapping of logical channels onto physical channels	17
6.1	General.....	17
6.2	Mapping in frequency of logical channels onto physical channels	18
6.2.1	General	18
6.2.2	Parameters	18
6.2.3	Hopping sequence generation.....	18
6.2.4	Specific cases.....	19
6.2.5	Change in the frequency allocation of a base transceiver station.....	19
6.3	Mapping in time of logical channels onto physical channels	19
6.3.1	Mapping in time of circuit switched logical channels onto physical channels	19
6.3.1.1	General	19
6.3.1.2	Key to the mapping table of clause 7.....	19
6.3.1.3	Mapping of BCCH data	20
6.3.1.4	Mapping of SID Frames	21
6.4	Permitted channel combinations.....	21
6.4.1	Permitted channel combinations onto a basic physical channel	21
6.4.2	Multislot configurations	21
6.4.2.1	Multislot configurations for circuit switched connections	22
6.5	Operation of channels and channel combinations	22
6.5.1	General	22
6.5.2	Determination of CCCH_GROUP and PAGING_GROUP for MS in idle mode.....	23
6.5.3	Determination of specific paging multiframe and paging block index	23
6.5.4	Short Message Service Cell Broadcast (SMSCB).....	24
6.5.5	Voice group and voice broadcast call notifications	24
Annex A (normative):	Phase 2 mobiles in a phase 1 infrastructure	39
A.1	Scope.....	39
A.2	Implementation options for TCH channels	39
A.2.1	C0 filling on the TCH	39
A.2.1.1	A dummy burst with (BN61, BN62, BN86) = training sequence bits of normal bursts	39
A.2.1.2	A dummy burst with the "C0 filling training sequence	39
A.2.1.3	A dummy burst with (BN61, BN62, BN86) mapped from the TSC bits of normal bursts according to the table; below	39
A.2.1.4	Partial SID information.....	39
A.2.2	Half burst filling	39
A.2.2.1	Partial SID information from any associated SID frame; or	39
A.2.2.2	The mixed bits of the dummy bursts (encrypted or not encrypted)	39
A.2.3	Dummy burst Stealing flag	39
A.2.4	Half burst Filling Stealing flag	39
A.2.5	Allowed combinations	40
A.3	Idle Channels	40
Annex B (normative):	Multislot capability	41
B.1	MS classes for multislot capability	41
B.2	Constraints imposed by the service selected	42
B.3	Network requirements for supporting MS multislot classes	42
Annex C (informative):	Change control history	45
History.....		46

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Foreword

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

This ETS defines the physical channels of the radio sub-system required to support the logical channels of the digital mobile cellular and personal communication systems operating in the 900 MHz and 1 800 MHz band (GSM 900 and DCS 1 800).

The contents of this ETS is subject to continuing work within SMG and may change following formal SMG approval. Should 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

- 5 Indicates GSM Phase 2+ Release 1996
- x the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- y the third digit is incremented when editorial only changes have been incorporated in the specification.

Transposition dates	
Date of adoption of this ETS:	6 August 1999
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Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 May 2000
Date of withdrawal of any conflicting National Standard (dow):	31 May 2000

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1 Scope

This European Telecommunication Standard (ETS) defines the physical channels of the radio sub-system required to support the logical channels. It includes a description of the logical channels and the definition of frequency hopping, TDMA frames, timeslots and bursts.

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 03.03 (ETS 300 927): "Digital cellular telecommunications system (Phase 2+); Numbering, addressing and identification".
- [3] GSM 04.03: "Digital cellular telecommunications system (Phase 2+); Mobile Station - Base Station System (MS - BSS) interface Channel structures and access capabilities".
- [4] GSM 04.06 (ETS 300 938): "Digital cellular telecommunications system; Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".
- [5] GSM 04.08 (ETS 300 940): "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification".
- [6] GSM 05.03 (ETS 300 909): "Digital cellular telecommunications system (Phase 2+); Channel coding".
- [7] GSM 05.04 (ETS 300 959): "Digital cellular telecommunications system; Modulation".
- [8] GSM 05.05 (ETS 300 910): "Digital cellular telecommunications system (Phase 2+); Radio transmission and reception".
- [9] GSM 05.08 (ETS 300 911): "Digital cellular telecommunications system (Phase 2+); Radio subsystem link control".
- [10] GSM 05.10 (ETS 300 579): "Digital cellular telecommunications system (Phase 2+); Radio subsystem synchronization".
- [11] GSM 03.64: "Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); Overall description of the GPRS Radio Interface; Stage 2".
- [12] GSM 04.60: "Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS interface; Radio Link Control (RLC) and Medium Access Control (MAC) Layer Specification".

1.2 Abbreviations

Abbreviations used in this ETS are listed in GSM 01.04 [1].