



SLOVENSKI STANDARD

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Digital cellular telecommunications system (Phase 2+) (GSM); Support of Mobile Number Portability (MNP); Service description; Stage 1 (GSM 02.66 version 7.0.2 Release 1998)

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European Standard (Telecommunications series)

**Digital cellular telecommunications system (Phase 2+);
Support of Mobile Number Portability (MNP);
Service description;
Stage 1
(GSM 02.66 version 7.0.2 Release 1998)**

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GSM®
GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS

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Foreword

This European Standard (Telecommunications series) has been produced by the Special Mobile Group (SMG).

The present document defines the stage one description of the Support of Mobile Number Portability between GSM networks in the same country.

The contents of the present document is subject to continuing work within SMG and may change following formal SMG approval. Should SMG modify the contents of the present document, it will be republished by ETSI with an identifying change of release date and an increase in version number as follows:

Version 7.x.y

where:

- 7 indicates GSM Phase 2+ Release 1998,
- 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.

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National transposition dates

Date of adoption of this EN:	17 December 1999
Date of latest announcement of this EN (doa):	31 March 2000
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2000
Date of withdrawal of any conflicting National Standard (dow):	30 September 2000

1 Scope

The present document defines the stage one description of the Support of Mobile Number Portability between GSM networks in the same country. Stage one is an overall service description, primarily from the service subscriber's and user's points of view, but does not deal with the details of the human interface itself.

The present document is in response to a study mandate agreed between the European Commission and ETSI under order voucher ESTI/97/M-251.

Mobile Number Portability (MNP) is applicable only to those telecommunication services identified by an MSISDN.

The present document includes information applicable to network operators, service providers and terminal, switch and database manufacturers.

The present document contains the core requirements for the Support of Mobile Number Portability between GSM network operators in the same country which are sufficient to provide a complete service.

Cross-sector portability (e.g. number portability between fixed and mobile networks) is outside the scope of the present document. It is highly desirable however, that technical solutions for MNP should be sufficiently flexible to allow for possible enhancements, e.g. cross-sector number portability, and MNP between analogue and digital mobile networks. Additional functionalities not documented in the present document may implement requirements which are considered outside the scope of the present document. This additional functionality may be on a network-wide basis, nation-wide basis or particular to a group of users. Such additional functionality shall not compromise conformance to the core requirements of the service.

Porting between Service Providers (i.e. service provider portability) which does not involve a change of Network Operator is outside the scope of the present document.

The relationship between Service Providers and Network Operators is outside the scope of the present document.

The relationship between a Service Provider and subscriber is outside the scope of the present document. The interface between the Mobile Station (MS) and any external applications are outside the scope of the present document. Charging principles are outside the scope of the present document except where explicitly stated in the text.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- For this Release 1998 document, references to GSM documents are for Release 1998 versions (version 7.x.y).

[1] GSM 01.04 (ETR 350): "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

number range owner network: The network to which the number range containing the ported number has been allocated.

donor network: The subscription network from which a number is ported in the porting process. This may or may not be the number range owner network.

mobile number portability: The ability for a mobile subscriber to change GSM subscription network within the same country whilst retaining their original MSISDN(s).

network operator: A GSM PLMN operator.

originating network: the network where the calling party is located.

ported number: Is a MSISDN that has undergone the porting process.

ported subscriber: The subscriber of a ported number.

porting process: A description of the transfer of a number between network operators.

recipient network: The network which receives the number in the porting process. This network becomes the subscription network when the porting process is complete.

service provider: An entity which offers service subscriptions to individual subscribers and contracts with a network operator to implement services for a specific MSISDN. A service provider may contract with more than one network operator.

service provider portability: The transfer of numbers between two unique Service Providers.

subscription network: The network with which the customer's Service Provider has a contract to implement the customer's services for a specific MSISDN.

NOTE: The term "recipient network" is used during the porting process. The recipient network becomes the "subscription network" after the completion of the porting process.

3.2 Abbreviations

For the purposes of the present document the following abbreviations apply:

MMI	Man Machine Interface
MNP	Mobile Number Portability
MSISDN	Mobile Station ISDN number
PLMN	Public Land Mobile Network
SIM	Subscriber Identity Module

Further GSM related abbreviations are given in GSM 01.04.