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Technical Specification

**Digital cellular telecommunications system (Phase 2+);
Name identification supplementary services;
Stage 3
(GSM 04.96 version 7.0.0 Release 1998)**



GSM®
GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS

ETSI 

Reference

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Foreword

This Technical Specification (TS) has been produced by the Special Mobile Group (SMG).

The present document specifies the procedures used at the radio interface for normal operation, registration, erasure, activation, deactivation, invocation and interrogation of line identification supplementary services within the digital cellular telecommunications system.

The contents of the present document are subject to continuing work within SMG and may change following formal SMG approval. Should SMG modify the contents of the present document it will then be re-released by SMG 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
- 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;

1 Scope

The present document specifies the procedures used at the radio interface for normal operation, registration, erasure, activation, deactivation, invocation and interrogation of name identification 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.

In GSM 04.10 the general aspects of the specification of supplementary services at the layer 3 radio interface are given. 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. GSM 02.96 is related specially to name identification supplementary services.

Technical realization of supplementary services is described in GSM 03.11 and GSM 03.8x and 03.9x-series. Technical specification GSM 03.96 is related specially to name identification supplementary services.

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.

The following supplementary services belong to the name identification supplementary services and are described in the present document:

- Calling name presentation (CNAP);

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: "Digital cellular telecommunication system (Phase 2+); Abbreviations and acronyms".
- [2] GSM 02.04: "Digital cellular telecommunications system (Phase 2+); General on supplementary services".
- [3] GSM 02.96: "Digital cellular telecommunications system (Phase 2+); Name identification supplementary services - Stage 1".
- [4] GSM 03.11: "Digital cellular telecommunications system (Phase 2+); Technical realization of supplementary services".
- [5] GSM 03.96: "Digital cellular telecommunications system (Phase 2+); Name identification supplementary services - Stage 2".
- [6] GSM 04.07: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface signalling layer 3; General aspects".

- [7] GSM 04.08: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification".
- [8] GSM 04.10: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3; Supplementary services specification; General aspects".
- [9] GSM 04.80: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 supplementary services specification; Formats and coding".

3 Abbreviations

Abbreviations used in the TS are listed in GSM 01.04.

4 Calling Name Presentation (CNAP)

4.1 Normal operation

The calling name identity is made up of calling party's name - up to 80 characters.

The MS shall be given one of the following in the name indicator:

- calling name identity;
- presentation indicator of presentation restricted;
- presentation indicator of name unavailable; or
- calling name identity and presentation restricted (for the case where the CNAP override category is provisioned).

If the network has received a non-zero SS screening indicator from the MS, then calling name information indicated above shall be sent to the MS as defined in figure 1. If the network did not receive a non-zero SS screening indicator form the MS, then calling name information shall not be sent to the MS.

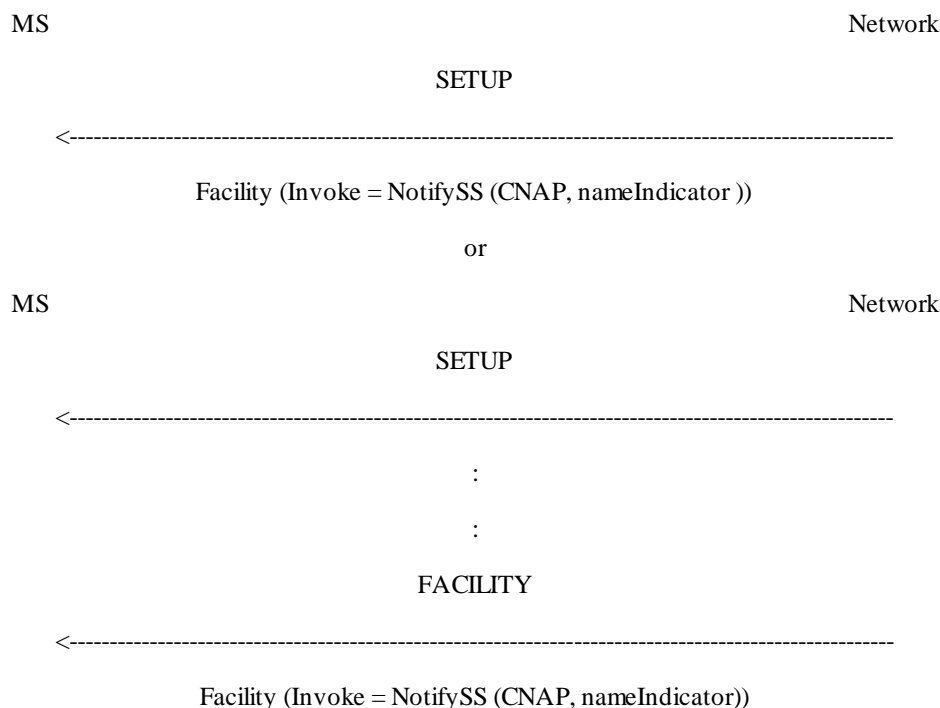


Figure 1: Notification by the network to the called mobile subscriber

4.2 Interrogation

Status Check

The mobile subscriber can request the status of the supplementary service and be informed if the service is provided to him/her.

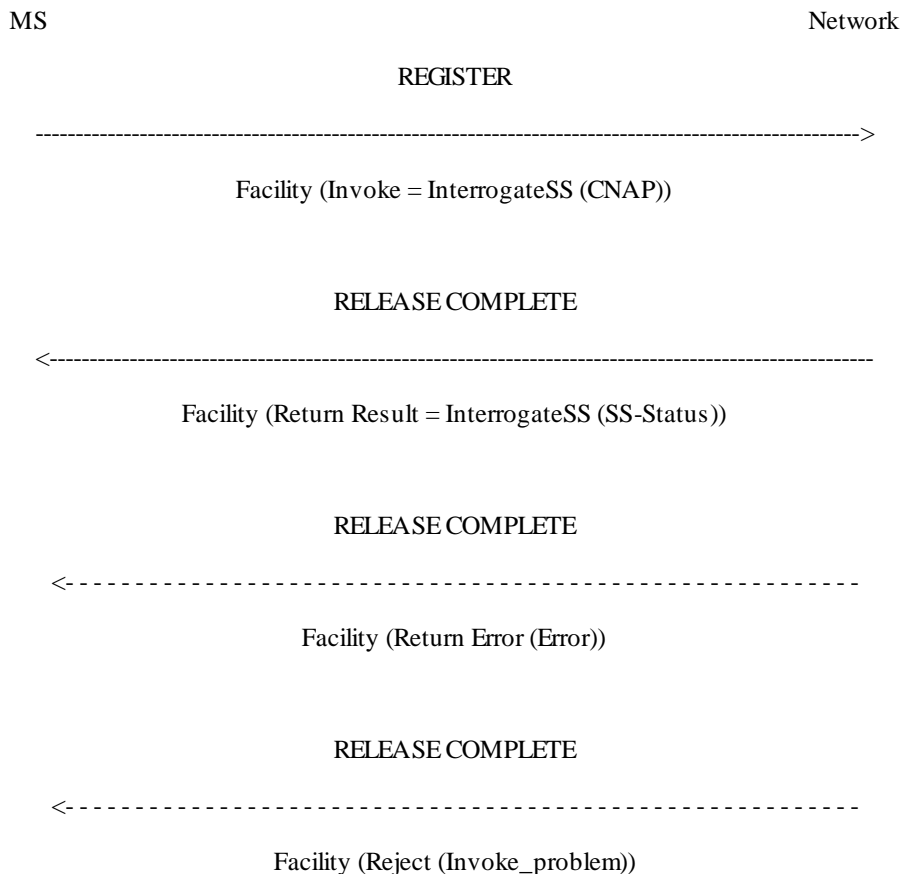


Figure 2: Interrogation of calling name identification presentation

4.3 Activation, deactivation, registration and erasure

Activation, deactivation, registration and erasure of the supplementary service Calling Name presentation (CNAP) are not applicable.

Annex A (informative): Status of GSM 04.96

Status of Technical Specification GSM04.96		
Date	Version	Remarks
December 1997	version 2.0.0	presented at SMG#24 and approved
September 1998	version 6.0.0	version 6.0.0 created as part of Release 1997
October 1998	version 6.0.1	version 6.0.1 created for publication
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