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**SIST ETS 300 514 E3:2003**

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Digital cellular telecommunications system (Phase 2); Line identification supplementary services; Stage 1 (GSM 02.81 version 4.6.1)

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## Foreword

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

This ETS describes line identification supplementary services (stage 1) within the digital cellular telecommunications system (Phase 2).

The specification from which this ETS has been derived was originally based on CEPT documentation, hence the presentation of this ETS is not in accordance with the ETSI/PNE Rules.

Transposition dates	
Date of adoption of this ETS:	5 June 1998
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## 0 Scope

This specification describes the supplementary services belonging to the group line identification supplementary services.

The general aspects, including definitions and recommended provision, of the description of the GSM supplementary services are given in specification GSM 02.04.

The group of Line Identification Supplementary Services is divided into the following four supplementary services:

CLIP -	Calling line identification presentation (clause 1);
CLIR -	Calling line identification restriction (clause 2);
COLP -	Connected line identification presentation (clause 3);
COLR -	Connected line identification restriction (clause 4).

Definition of line identity:

The line identity is made up of a number of information units:

- the subscriber's national ISDN/MSISDN number (MSISDN number is the number stored in the VLR);
- the country code;
- optionally, subaddress information. The GSM PLMN cannot be responsible for the content of this subaddress. (For definition of the subaddress see CCITT Recommendation E.164 [3] subclause 11.2).

In a full ISDN environment, the line identity shall include all the address information necessary to unambiguously identify a subscriber.

The calling line identity is the line identity of the calling party.

The connected line identity is the line identity of the connected party.

If for the line identity of the calling party or the connected party additional line identification is received (additional calling party/connected party-number) in a GSM PLMN this additional line identification shall be used for the presentation purpose of the line identification presentation services.

Definition of Presentation and Screening Indicators:

In addition to or instead of the line identity the network may give a Presentation Indicator (PI) and/or a Screening Indicator (SI) to the served subscriber. The following information may be given:

- Presentation Indicator showing:
  - a) presentation allowed, or
  - b) presentation restricted, or
  - c) number not available due to interworking;
- Screening Indicator showing:
  - a) user provided, verified and passed, or
  - b) user provided, not screened, or
  - c) network provided.

If the line identity is that of a GSM PLMN subscriber then:

the national number and the country code shall always be provided by the network;

the subaddress shall only be included if it is provided by the user (or user equipment);

the screening indicator shall indicate "network provided".

## 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 100): "Digital cellular telecommunication system (Phase 2); Abbreviations and acronyms".
- [2] GSM 02.04 (ETS 300 503): "Digital cellular telecommunication system (Phase 2); General on supplementary services".
- [3] CCITT Recommendation E.164: "Numbering plan for the ISDN era".

## 0.2 Definitions and abbreviations

Abbreviations used in this specification are listed in GSM 01.04.

# 1 Calling Line Identification Presentation (CLIP)

## 1.1 Definition

The CLIP supplementary service provides the called party with the possibility to receive the line identity of the calling party.

## 1.2 Description

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### 1.2.1 Description

This supplementary service provides for the ~~ability to indicate the line~~ identity of the calling party to the called party.

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The network shall deliver the calling line identity to the called party at call set-up time, regardless of the terminal capability to handle the information.

### 1.2.2 Applicability to telecommunication services

The applicability of this supplementary service is defined in GSM 02.04 (ETS 300 503).

## 1.3 Normal procedures with successful outcome

### 1.3.1 Provision

This Supplementary Service is provisioned for all Basic Services subscribed to and to which it is applicable, i.e. not provisioned for any subset of these Basic Services.

### Override category within a PLMN

Override category within an ISDN/PLMN. Depending on national regulations, some networks may define categories of subscribers that have the ability to override the presentation restriction (CLIR, ch 2) and have the calling line identity presented (e.g., the police). The ability to have such override category is a national option.

### Override category between a PLMN and a network providing calling line identification restriction

Override category between ISDN/PLMNs. When a call originates in one ISDN/PLMN and terminates in another ISDN/PLMN and the CLIR supplementary service is applied, the rules and regulations of the destination network shall apply. For example, the override category may not be applicable in the originating network but may be applicable in the destination network. In this

situation a call with the CLIR supplementary service applied can still be overridden in the destination network.

The override category is only applicable within the HPLMN country.

### 1.3.2 Withdrawal

The CLIP supplementary service shall be withdrawn at the customer's request or for administrative reasons.

### 1.3.5 Activation

The CLIP supplementary service is activated as a result of provision.

### 1.3.6 Deactivation

The CLIP supplementary service is deactivated as a result of withdrawal.

### 1.3.7 Invocation

The network shall automatically invoke the CLIP supplementary service in the call set-up phase.

### 1.3.8 Normal operation with successful outcome

A user who has subscribed to the CLIP supplementary service and receives a call shall also receive the line identity of the calling party.

In addition to or instead of the calling line identity the subscriber may be given a Presentation Indicator and/or a Screening Indicator with the relevant information.

### 1.3.11 Interrogation

#### Status check

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

### 1.4 Exceptional procedures or unsuccessful outcome

If the CLIR supplementary service is applicable to the call, then the called PLMN user shall receive an indication that the calling line identity is not available because of restriction.

NOTE: See also subclause 1.3.1 (override category).

In some interworking situations in which the connection is not completely supported by the sufficient signalling capability, then the called PLMN user shall receive an indication that the calling line identity is not available.

For an international call in which the originating network does not provide the calling line identity, then the called PLMN user shall receive an indication that the calling line identity is not available.

### 1.5 Alternate procedures

None identified.

### 1.6 Interactions with other supplementary services

#### 1.6.81.2 Calling line identification restriction

The CLIR supplementary service shall take precedence over the CLIP supplementary service.