



SLOVENSKI STANDARD SIST ETS 300 712 E1:2003

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Digitalno omrežje z integriranimi storitvami (ISDN) – Javno komutirano telefonsko omrežje (PSTN) – Premijska storitev (PRM) – Opis storitve

Integrated Services Digital Network (ISDN); Public Switched Telephone Network (PSTN); Premium Rate (PRM) service; Service description

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Contents

Foreword	5
1 Scope	7
2 Normative references	8
3 Definitions	8
4 Abbreviations	9
5 Description	9
5.1 Core requirements	10
5.2 Optional requirements	10
5.2.1 Presentation of Charging Information (PCI)	10
5.2.2 Call Distribution (CD)	10
5.2.3 Customer Profile Management (CPM)	10
5.2.4 Customized Recorded Announcements (CRA)	10
5.2.5 Originating User Prompter (OUP)	11
5.2.6 Origin Dependent Routing (ODR)	11
5.2.7 Statistical information (STAT)	11
5.2.8 Time Dependent Routing (TDR)	11
5.2.9 Time Dependent Control (TDC)	11
5.2.10 Service specific Calls Only (SCO)	11
6 Procedures	11
6.1 Provision and withdrawal	11
6.1.1 Core requirements	11
6.1.2 Optional requirements	12
6.2 Normal procedures	12
6.2.1 Registration and erasure	12
6.2.1.1 Core requirements	12
6.2.1.2 Optional requirements	12
6.2.2 Activation and deactivation	13
6.2.2.1 Core requirements	13
6.2.2.2 Optional requirements	13
6.2.3 Invocation and operation	13
6.2.3.1 Core requirements	13
6.2.3.2 Optional requirements	13
6.2.4 Interrogation	14
6.2.4.1 Core requirements	14
6.2.4.2 Optional requirements	14
6.3 Exceptional procedures	14
6.3.1 Registration and erasure	14
6.3.1.1 Core requirements	14
6.3.1.2 Optional requirements	14
6.3.2 Activation and deactivation	14
6.3.2.1 Core requirements	14
6.3.2.2 Optional requirements	14
6.3.3 Invocation and operation	14
6.3.3.1 Core requirements	14
6.3.3.2 Optional requirements	14
6.3.4 Interrogation/Editing	15
6.3.4.1 Core requirements	15
6.3.4.2 Optional requirements	15
7 Interworking requirements	15
7.1 Interworking between ISDNs, PSTNs and mobile networks	15
7.2 Interworking with private networks	15

7.3	Co-operation between network operators and service providers	15
8	Interaction with ISDN supplementary services	15
8.1	Advice of charge services	15
8.1.1	Charging information at call set-up time	15
8.1.2	Charging information during the call	15
8.1.3	Charging information at the end of the call	16
8.1.4	Charging information on request	16
8.2	Call waiting	16
8.3	Call hold	16
8.4	Explicit call transfer	16
8.5	Number identification services	16
8.5.1	Calling line identification presentation	16
8.5.2	Calling line identification restriction	16
8.5.3	Connected line identification presentation	16
8.5.4	Connected line identification restriction	16
8.6	Closed user group	17
8.7	Call completion services	17
8.7.1	Completion of calls to busy subscriber	17
8.7.2	Completion of calls on no reply	17
8.8	Conference services	17
8.8.1	Conference call, add-on	17
8.8.2	Meet-me conference	17
8.9	Direct dialling in	17
8.10	Diversion services	18
8.10.1	Call forwarding unconditional	18
8.10.2	Call forwarding busy	18
8.10.3	Call forwarding no reply	18
8.10.4	Call deflection	19
8.10.5	Selective call forwarding	19
8.10.6	Call forwarding unconditional to a service centre	19
8.11	Freephone	19
8.12	Malicious call identification	20
8.13	Multiple subscriber number	20
8.14	Sub-addressing	20
8.15	Terminal portability	20
8.16	Three party service	20
8.17	User-to-user signalling	20
8.18	In-call modification	20
8.19	Hunting services	20
8.19.1	Line hunting	20
8.19.2	Trunk hunting	20
8.20	Support of private numbering plans	20
8.21	Call barring services	20
8.21.1	Fixed outgoing call barring	20
8.21.2	User-controlled outgoing call barring	20
8.22	Remote control service	21
8.23	Reverse charging	21
8.23.1	Reverse charging at call set time	21
8.23.2	Unconditional reverse charging	21
9	Interaction with other services	21
9.1	Universal access number	21
9.2	Card calling services	21
9.2.1	Charge card calling	21
9.2.2	Virtual card calling	21
9.3	Premium rate	21
9.4	Televoting	21
	Annex A (informative): The three level structure	22
	History	23

Foreword

This European Telecommunication Standard (ETS) has been produced by the Network Aspects (NA) Technical Committee of the European Telecommunications Standards Institute (ETSI).

In analogy with CCITT Recommendation I.130 (refer to annex A), the first stage of the following three level structure is used to describe the telecommunications service as provided by European public telecommunications operators.

- Stage 1: is an overall service description, from the service subscriber's and user's stand-point;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

This ETS details the stage 1 aspects (overall service description) for the Premium Rate (PRM) service, taking into account the various network architectures, e.g. Intelligent Network (IN).

The application of stage 2 and stage 3 may be different when the service is supported on an IN environment.

Transposition dates	
Date of adoption:	21 February 1997
Date of latest announcement of this ETS (doa):	30 June 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 December 1997
Date of withdrawal of any conflicting National Standard (dow):	31 December 1997

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1 Scope

General

This European Telecommunication Standard (ETS) defines the stage 1 description of the Premium Rate (PRM) service.

NOTE: The Commission of the European Community refers to this service as the "Kiosk Billing" service.

Stage 1 is an overall service description, primarily from the service subscribers and users point of view, but does not deal at all with the details of the human interface itself. This ETS includes information applicable to network operators, service providers and terminal, switch and database manufacturers.

This ETS specifies the requirements where the service is provided to the user via a telecommunications network that is either the pan-European Integrated Services Digital Network (ISDN) or any other Public Switched Telephone Network (PSTN) as provided by European public telecommunications operators.

The requirements different from those of the basic call where the Premium Rate (PRM) service is provided to the user via a mobile network are outside the scope of this ETS. However, if calls to the PRM service originate or terminate in a mobile network and any special procedure above those for the basic calls has to be performed, this should be stated in subclause 7.1 dealing with the interworking between ISDNs, PSTNs and mobile networks.

This ETS contains the core requirements for the PRM service which are sufficient to provide a complete service.

This ETS also documents some additional requirements which can be implemented (but do not have to be implemented).

Furthermore, additional functionalities not documented in this ETS may be implemented. The requirements of additional features which are considered outside the scope of this ETS and consequently outside the scope of the corresponding stage 2 and stage 3 standards. This additional functionality may be on a network-wide basis, or particular to one or a group of users. Such additional functionality shall not compromise conformance to the core requirements of the service.

Charging principles are outside the scope of this ETS, unless specific service requirements are stated. These requirements deal with the allocation of certain call charges to particular users.

Interactions with services/supplementary services not listed in clauses 8 and 9 are outside the scope of this ETS.

Interactions between optional PRM service features and ISDN supplementary services are outside the scope of this ETS, unless specific indication is given.

Definition and applicability

The PRM service allows a service subscriber to provide value added services to calling users. From the user's point of view, the PRM service is the value added service offered by the service subscriber. The calling user pays a premium rate for this call and this revenue is collected by the service provider/network operator. The generated revenue is partially transferred to the service subscriber. The calling user should be made aware of the charge rate to be applied to the service, however the methods used to supply charging information are outside the scope of this ETS.

The PRM service is applicable to all telecommunications services using the CCITT Recommendation E.164 [2] numbering plan.

If this ETS is applicable to the stage 2 and stage 3 standards for the PRM service, where the text indicates the status of a requirement (as strict command or prohibition, as authorization leaving freedom, as a capability or a possibility), this shall be reflected in the relevant stage 2 and stage 3 standards. Otherwise, the status of a requirement shall be reflected in the relevant standards for the underlying protocols.

Furthermore, conformance to this ETS is either met by:

- conforming to the stage 3 standards; or
- implicitly covered by conforming to the standards for the underlying protocols;

with the field of application appropriate to the equipment being implemented. Therefore no method of testing is provided for this ETS.

2 Normative references

This ETS incorporates by dated or undated reference, provision 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 or revisions of any of these publications apply to this ETS only when incorporated in it by amendments or revision. For undated references, the latest edition of the publication referred to applies.

- [1] ETS 300 345 (1994): "Integrated Services Digital Network (ISDN); Interworking between public ISDNs and private ISDNs for the provision of telecommunication services; General aspects".
- [2] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".

3 Definitions

For the purposes of this ETS, the following definitions apply:

calling user: Entity which originates a call to the PRM service.

catchment area: The area from which the service subscriber has agreed to receive premium rate calls.

core service feature: Particular service feature fundamental to the telecommunication service, i.e. in the absence of this service feature, the telecommunication service does not make sense as a commercial offering to the service subscriber.

customer: Service subscriber.

destination user: Entity to which PRM calls are directed.

network operator: Entity which provides the network operating elements and resources for the execution of the PRM service.

non-running record: A record containing the service subscriber profile parameters used by the service and currently not in operation.

optional service feature: Service feature added to core feature to optionally enhance a service offering.

premium rate number: Set of digits constituted of two parts and forming the national part of a CCITT Recommendation E.164 [2] number. The first part is a set of digits identifying the PRM service and forming the national destination code part. The second part is a set of digits assigned by the service provider to a service subscriber at subscription, identifying this specific service subscriber and forming the subscriber number part.

NOTE: Due to regulatory aspects, it may be necessary to offer several classes of premium rate services which should be identified by different national destination codes.

running record: A record containing the service subscriber profile parameters used by the service and currently in operation.

service feature: Specific aspect of a telecommunication service that can also be used in conjunction with other telecommunication services or service features as part of a commercial offering. It is either a core part of a telecommunication service or an optional part offered as an enhancement to a telecommunication service.

service provider: Entity which offers the PRM service for service subscription. The network operator may be the service provider.

service subscriber profile: Service subscriber related data needed by the service in order to handle the calls.

service subscriber: Entity which subscribes to the PRM service, i.e. who provides a value-added service to the calling users.

service: That which is offered by a service provider to its customers in order to satisfy a telecommunication requirement.

4 Abbreviations (standards.iteh.ai)

For the purposes of this ETS, the following abbreviations apply:

CCBS	Completion of Calls to Busy Subscriber
CD	Call Distribution
CPM	Customer Profile Management
CRA	Customized Recorded Announcements
ISDN	Integrated Service Digital Network
ODR	Origin Dependent Routing
OUP	Originating User Prompter
PCI	Presentation of Charging Information
PRM	Premium Rate
PSTN	Public Switched Telephone Network
SCO	Service specific Calls Only
STAT	Statistical information
TDC	Time Dependent Control
TDR	Time Dependent Routing

5 Description

This ETS does not detail the way in which the service subscriber provides value added services (for example information services, entertainment services, consultancy services, mail order services, etc.). But, in order to give some examples, three basic scenarios can be envisaged:

- the use of private equipment (that may have also interactive capabilities);
- the use of network based facilities (e.g. routing features, announcement capabilities, digit collection, information stored into the network);
- the use of private equipment in conjunction with some network based capabilities.