



SLOVENSKI STANDARD SIST ETS 300 710 E1:2003

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Digitalno omrežje z integriranimi storitvami (ISDN) – Javno komutirano telefonsko omrežje (PSTN) – Storitev z univerzalno dostopovno številko (UAN) – Opis storitve

Integrated Services Digital Network (ISDN); Public Switched Telephone Network (PSTN); Universal Access Number (UAN) service; Service description

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Universal Access Number (UAN) service;
Service description**

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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 Universal Access Number (UAN) 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 for the Universal Access Number (UAN) service. Stage 1 is an overall service description, primarily from the service subscriber's and user's point of view, but does not deal with the details of the human interface itself. This ETS includes information applicable to network operators, service providers and terminal, switch and database manufactures.

NOTE: In some fora, this service is also referred to as the "shared cost service".

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 UAN service is provided to the user via a mobile network are outside the scope of this ETS. However, if calls to the UAN service originate or terminate in a mobile network and any special procedure above those for the basic call has to be performed, this is be stated in the subclause 7.1 dealing with the interworking between ISDNs, PSTNs and mobile networks.

This ETS contains the core requirements for the UAN 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 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 UAN service features and ISDN supplementary services are outside the scope of this ETS, unless a specific indication is given.

Definition and applicability

The UAN service allows the service subscriber having one or several installations to be reached from all or part of the network with a unique universal access number. Calls to the universal access number shall be routed to destinations defined by the service subscriber.

The UAN service is applicable to all telecommunication services using numbers conforming to the numbering plan and structure specified in CCITT Recommendation E.164 [2].

This ETS is applicable to the stage 2 and stage 3 standards for the UAN service, where the text indicates the status of a requirement (i.e. 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, 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] 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:

alternative destination: A destination defined in a service subscriber's profiles that may be:

- a) a customer installation; or optionally
- b) a predefined recorded announcement provided by the network, or optionally
- c) a customized recorded announcement provided by the network.

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

catchment area: The area from which the service subscriber has agreed to receive universal access number 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: The service subscriber.

destination user: Entity to which universal access number calls are directed.

destination: An installation corresponding to a number conforming to the number plan and structure specified in CCITT Recommendation E.164 [2].

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

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

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

routing area: An area from which calls using a given universal access number are routed to one destination or to a set of destinations according to other optional service features as defined by the service subscriber in the running record. A routing area may coincide or may be a subset of the catchment area.