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**Omrežni vidiki (NA) – Funkcijska specifikacija za strankino administracijo (CA) na vmesniku operacijski sistem/omrežni element (OS/NE)**

Network Aspects (NA); Functional specification of Customer Administration (CA) on the Operations System/Network Element (OS/NE) interface

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## Foreword

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

An ETSI standard may be given I-ETS status either because it is regarded as a provisional solution ahead of a more advanced standard, or because it is immature and requires a "trial period". The life of an I-ETS is limited to three years after which it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version, or be withdrawn.

This I-ETS identifies, in general, the managed objects to be used when performing Customer Administration (CA) on the Operations System to Network Element (OS/NE) interface.

The practical realization of an OS/NE interface based on this I-ETS has to be supported by a profile which specifies and delimits in more detail the application of this I-ETS.

Annex C contains examples on how to apply this I-ETS for customer administration purposes.

Proposed announcement date	
Date of latest announcement of this I-ETS (doa):	30 April 1995

## Introduction

For this I-ETS, the following priorities were assigned for the scope of the CA model:

- modelling of analogue, digital and Integrated Services Digital Network (ISDN) subscribers and Private Branch Exchanges (PBXs);
- modelling of the priority 1 ETSI ISDN teleservices, bearer services and supplementary services, including centrex.

Extendibility to cover priority 2 ETSI ISDN teleservices, bearer services and supplementary services, mobile subscribers, ATM, cordless and Universal Personal Telecommunication (UPT) subscribers, packet switching, the full range of CEPT services and non-standardized services (e.g. hunting, etc.) is foreseen via subclassing (see entity-relationship diagram subclause 4.1, and descriptions in subclause 5.1).

For this edition of this I-ETS, the CA model is restricted to modelling of semi-permanent subscriber data. Call processing and dynamic (state) information are currently not covered.

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## 1 Scope

This Interim European Telecommunication Standard (I-ETS) specifies the management aspects of Customer Administration (CA) for Public Switched Telephone Network (PSTN), and public Integrated Services Digital Network (ISDN), in line with descriptions in ETR 047 [4], and restricted to service provisioning and service configuration only. It covers centrex subscribers and Private Automatic Branch Exchanges (PABX) seen as terminal equipment. It does not cover the PABX extensions.

The model is restricted to the Operations System to Network Element (OS/NE) interface.

Although not included in this edition of this I-ETS, the model has been designed to be extendible for mobile, Asynchronous Transfer Mode (ATM), cordless and Universal Personal Telecommunication (UPT) subscribers.

The ISDN teleservices, bearer services and supplementary services included in this issue of the model have been selected from ETR 010 [2], to test the structure of the model and ensure that it is applicable to all services.

## 2 Normative references

This I-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 to or revisions of any of these publications apply to this I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred applies.

- [1] ETS 300 050: "Integrated Services Digital Network (ISDN); Multiple Subscriber Number (MSN) supplementary service; Service description".
- [2] ETR 010 (1991): "ISDN Standards Management (ISM); The ETSI basic guide on the European integrated services digital network".
- [3] ETR 046: "Network Aspects (NA); Telecommunications management networks modelling guidelines".
- [4] ETR 047: "Network Aspects (NA); Telecommunications Management Network (TMN) Management services".
- [5] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".
- [6] CCITT Recommendation F.200: "Teletex service".
- [7] CCITT Recommendation F.184: "Operational provisions for the international public facsimile service between subscriber stations with group 4 facsimile machines (telefax 4)".
- [8] CCITT Recommendation I.210: "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [9] CCITT Recommendation I.230: "Definition of bearer service categories".
- [10] CCITT Recommendation I.231: "Circuit-mode bearer service categories".
- [11] CCITT Recommendation I.241: "Teleservices supported by an ISDN".
- [12] CCITT Recommendation I.254: "Multiparty supplementary services".
- [13] CCITT Recommendation M.3100: "Generic network information model".
- [14] CCITT Recommendation X.121 (1992): "International numbering plan for public data networks".