



**SLOVENSKI STANDARD**  
**SIST ETS 300 493 E1:2003**

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DfYbcg]b`a i `hjd`Y\_g]fUb`Y`fHAŁĚ`G]b\ fcbUX][ ]HJbU\ ]YfU\ ]Ufg8 <ŁĚ  
bZfa UW`g\_]a cXY`nUnUy ]lc`dcXca fYyb]`nj Yn`fGB7 DkZ[ `YXUbc`g`gfUb]  
ca fYybY[ UYYa YbHfB9Ł

Transmission and Multiplexing (TM); Synchronous Digital Hierarchy (SDH) information model of the Sub Network Connection Protection (SNCP) for the Network Element (NE) view

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**ICS:**

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**Transmission and Multiplexing (TM);  
Synchronous Digital Hierarchy (SDH) information model  
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for the Network Element (NE) view**

**ETSI**

European Telecommunications Standards Institute

**ETSI Secretariat**

**Postal address:** F-06921 Sophia Antipolis CEDEX - FRANCE

**Office address:** 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

**X.400:** c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Transmission and Multiplexing (TM) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS describes the information model for the management of Sub Network Connection Protection (SNCP) of Synchronous Digital Hierarchy (SDH) sub network.

Transposition dates	
Date of adoption of this ETS:	10 May 1996
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## 1 Scope

This European Telecommunication Standard (ETS) addresses the management of the automatic protection switching within network element at the high and low order path layers. It covers the Sub Network Connection Protection (SNCP) as described in ITU-T Recommendations G.803 [2] and G.841 [4].

This ETS provides an information model, for the SNCP of Synchronous Digital Hierarchy (SDH) network. This model describes the managed object classes and their properties for the management of the sub network connection protection function for SDH network elements. These objects are relevant to information exchanged across standardised interfaces defined in the ITU-T Recommendation M.3010 [1].

This ETS applies to SDH network elements which perform the sub network connection protection function and those systems in the Telecommunication Management Network (TMN) that manage SDH network elements.

This ETS defines:

- an information model, as related to the sub network connection protection function for the SDH.

This ETS does not define:

- the protocol stack to be used for message communication;
- the network level management processes;
- the application contexts;
- the conformance requirements to be met by an implementation of this information model;
- information models for other systems or equipment.

The information model defined here (and the corresponding message set) is concerned with the management of network elements, the equipment by which they are implemented and the functions contained within them. More precisely, it applies to an equipment domain visible at the element manager to element interface and is only concerned with information available within that domain. Information proper to the domain of a network level management process is not included within this model.

## 2 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] ITU-T Recommendation M.3010 (1992): "Principles for a telecommunications management network".
- [2] ITU-T Recommendation G.803 (1993): "Architectures of transport networks based on the Synchronous Digital Hierarchy (SDH)".
- [3] ITU-T Recommendation G.774-04 (1995): "Synchronous Digital Hierarchy (SDH) - Management of the sub network connection protection for the network element view".
- [4] ITU-T Recommendation G.841 (1995): "Types and characteristics of SDH network protection architectures".