SLOVENSKI STANDARD
SIST ETS 300 484 E1:2003

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Prenos in multipleksiranje (TM) – Informacijski model sinhrone digitalne hierarhije (SDH) – Funkcija za nadzorovanje zvez (nadzorovanje zvez višje ravni / nadzorovanje zvez nižje ravni (HCS/LCS)), gledano s strani omrežnega elementa (NE)

Transmission and Multiplexing (TM); Synchronous Digital Hierarchy (SDH) network information model; Connection supervision function (Higher order Connection Supervision / Lower order Connection Supervision (HCS/LCS)) for the Network Element (NE) view

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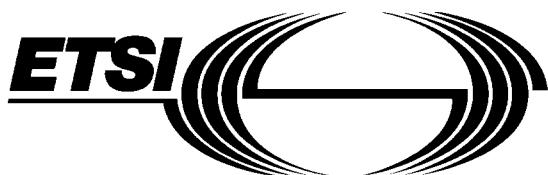
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Transmission and Multiplexing (TM);
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Connection supervision function (Higher order Connection
Supervision / Lower order Connection Supervision (HCS/LCS))
for the Network Element (NE) view

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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).

The ETS describes managed object classes of the information model for Network Elements (NEs), which provide the connection supervision function (Higher order Connection Supervision / Lower order Connection Supervision (HCS/LCS)).

Transposition dates	
Date of adoption of this ETS:	16 August 1996
Date of latest announcement of this ETS (doa):	31 December 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1997
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1 Scope

This European Telecommunication Standard (ETS) defines the information model to be used at the interface between Network Elements (NEs) and management systems, for the management of NEs which use the connection supervision function (Higher Order Connection Supervision / Lower Order Connection Supervision (HCS/LCS)).

This ETS defines:

- the information model for Synchronous Digital Hierarchy (SDH) NEs using connection supervision function.

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 (and the corresponding message set) defined in this ETS is concerned with the management of NEs, 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.

The HCS and LCS functional blocks (connection supervision) are specified as optional components and a standardized modelling at the Q3 interface is provided by this ETS. The connection supervision functionality is included into subclasses of SDH connection termination points.

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 G.774 (1992): "Synchronous digital hierarchy (SDH) management information model for the network element view".

[2]   ITU-T Recommendation G.774.05 (1995): "Synchronous digital hierarchy (SDH) management of connection supervision functionality (HCS/LCS) for the network element view".

[3]   ITU-T Recommendation G.783 (1993): "Characteristics of synchronous digital hierarchy (SDH) equipment functional blocks".