



SLOVENSKI STANDARD SIST ETS 300 411 E1:2003

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**Prenos in multipleksiranje (TM) – Informacijski model za nadzorovanje
zmogljivosti, gledano s strani omrežnega elementa (NE)**

Transmission and Multiplexing (TM); Performance monitoring; Information model for the
Network Element (NE) view

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ICS:

33.040.20 Prenosni sistem Transmission systems

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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 Network Elements (NEs) for performance monitoring.

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	31 August 1995
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 August 1995
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1 Scope

This European Telecommunication Standard (ETS) provides an information model for the performance monitoring of Synchronous Digital Hierarchy (SDH) network. This model describes the managed object classes and their properties for the performance monitoring function, as defined in CCITT Recommendation G.784 [3] and as related to SDH Network Elements (NEs). These objects are useful to describe information exchanged across interfaces defined in CCITT Recommendation M.3010 [5] Telecommunications Management Network (TMN) architecture for the management of the performance monitoring function.

SDH performance monitoring functions are used to monitor specified performance events of specified termination points managed objects and to report these performance data, as well as quality of service alarms to its managing system according to a given schedule.

CCITT Recommendation M.2120 [4] defines maintenance of transport network, CCITT Recommendation G.784 [3] defines the management of SDH based NE. This ETS defines the object model based on ITU-T Recommendation Q.822 [6] according to the requirements described in CCITT Recommendation G.784 [3] and CCITT Recommendation M.2120 [4]. This model uses generic mechanism defined in ITU-T Recommendation Q.822 [6].

This ETS defines:

- an information model, as related to the performance monitoring function for the Synchronous Digital Hierarchy (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 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.