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ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

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SERIES X: DATA NETWORKS AND OPEN SYSTEM
COMMUNICATIONS

OSI management – Management functions and ODMA
functions

Configuration audit support function for ITU-T applications

ITU-T Recommendation X.792

(Previously CCITT Recommendation)

DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS

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CONFIGURATION AUDIT SUPPORT FUNCTION FOR ITU-T APPLICATIONS

Summary

This Recommendation is concerned with support of the auditing of the configuration of managed objects by providing for the ability of a managing system to request a managed system to request the managed system to generate a file containing the managed object information.

Source

ITU-T Recommendation X.792 was prepared by ITU-T Study Group 4 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 26th of March 1999.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Recommendation X.792**CONFIGURATION AUDIT SUPPORT FUNCTION FOR
ITU-T APPLICATIONS***(Geneva, 1999)***1 Scope**

This Recommendation defines a function intended to support the auditing of the configuration of the Management Information Base (MIB) in a managed system by one of the managing systems that interface with it.

The need for this auditing could arise in several situations. For example, a new managing system may need to obtain the current MIB information in the systems that it manages. Another example is when a managing system has been out of communication with a managed system for an extended period of time and the managed system has to be managed by other means.

This Recommendation does not define all the procedures necessary to align the managing and managed systems. Rather, it defines a support function that allows the manager to obtain the current view of the managed system's MIB. The support function allows a managing system to request that a managed system create a file that contains the MIB information. While there are other techniques that a managing system can use to obtain this information, they are likely to be both slower and to use more computing and communication resources than the technique defined in this Recommendation.

This Recommendation defines the way a managing system can request a managed system to create a file containing the MIB information. It also defines the format of the file. It does not specify the way the file is to be transferred between the managed and managing systems. It does not specify how the managing system uses the information in the file once it is transferred.

2 Normative references

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

2.1 Identical Recommendations | International Standards

- ITU-T Recommendation X.200 (1994) | ISO/IEC 7498-1:1994, *Information technology – Open Systems Interconnection – Basic Reference Model: The basic model.*
- ITU-T Recommendation X.210 (1993) | ISO/IEC 10731:1994, *Information technology – Open Systems Interconnection – Basic Reference Model – Conventions for the definition of OSI services.*
- ITU-T Recommendation X.701 (1997) | ISO/IEC 10040:1998, *Information technology – Open Systems Interconnection – Systems management overview.*