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SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital networks – Network capabilities and functions

Management capabilities of transport networks based on the synchronous digital hierarchy (SDH)

ITU-T Recommendation G.831

(Formerly CCITT Recommendation)

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ITU-T Recommendation G.831

Management capabilities of transport networks based on the synchronous digital hierarchy (SDH)

Summary

This Recommendation describes the management requirements of the layered and partitioned SDH transmission networks defined in ITU-T G.803. These include the path management processes and the interfacing requirements for interworking across administrative domain boundaries both within a single network operator's network and between networks operated by different network operators. The technical details to implement these requirements will be found in other Recommendations.

History and source

Recommendation history	
Issue	Notes
03/2000	Second revision. The API definition in clause 3 is extended with a specification of the padding character for strings less than 15 characters. A new Appendix I covering a section/path trace has been added.
08/96	First revision
03/93	Initial version

ITU-T Recommendation G.831 was revised by ITU-T Study Group 13 (1997-2000) and approved under the WTSC Resolution 1 procedure on 10 March 2000.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSC Resolution 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

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, 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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