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SERIES E: TELEPHONE NETWORK AND ISDN

Quality of service, network management and traffic
engineering – Traffic engineering – ISDN traffic
engineering

Traffic and congestion control requirements for SS No. 7 and IN-structured networks

ITU-T Recommendation E.744

(Previously CCITT Recommendation)



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ITU-T RECOMMENDATION E.744**TRAFFIC AND CONGESTION CONTROL REQUIREMENTS FOR SS NO. 7 AND
IN-STRUCTURED NETWORKS****Summary**

This Recommendation has four main purposes:

- 1) Provide guidelines for implementing standardized traffic and congestion control procedures in SS No. 7 and IN-structured networks.
- 2) Provide general guidelines on requirements that should be placed on network elements so that networks can be made robust to unforeseen problems.
- 3) Provide general principles and guidelines on how network level and network element level control should be structured to maximize effectiveness and avoid network problems.
- 4) Provide high-level requirements for traffic and congestion controls for consideration in developing specific procedures in other ITU-T Recommendations.

Requirements and implementation considerations are covered for MTP, SCCP and IN traffic and congestion control procedures, and requirements are provided for adequate overload controls in network elements. In addition, considerations for making networks robust against failure propagation are discussed.

Source

ITU-T Recommendation E.744 was prepared by ITU-T Study Group 2 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 8th of October 1996.

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 (Helsinki, March 1-12, 1993).

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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