INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

E.700

(10/92)

TELEPHONE NETWORK AND ISDN

QUALITY OF SERVICE, NETWORK MANAGEMENT AND TRAFFIC ENGINEERING

FRAMEWORK OF THE E.700-SERIES RECOMMENDATIONS

Recommendation E.700

FOREWORD

The CCITT (the International Telegraph and Telephone Consultative Committee) is a permanent organ of the International Telecommunication Union (ITU). CCITT 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 Plenary Assembly of CCITT which meets every four years, establishes the topics for study and approves Recommendations prepared by its Study Groups. The approval of Recommendations by the members of CCITT between Plenary Assemblies is covered by the procedure laid down in CCITT Resolution No. 2 (Melbourne, 1988).

Recommendation E.700 was revised by Study Group II and was approved under the Resolution No. 2 procedure on the 30th October 1992.

CCITT NOTE

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

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Recommendation E.700

FRAMEWORK OF THE E.700-SERIES RECOMMENDATIONS

(revised 1992)

1 Introduction

The E.700-Series Recommendations (E.700 to E.749) are intended to provide guidance on traffic engineering for the ISDN. They are organized in sections to deal with various aspects of traffic engineering.

2 General: Recommendations E.700 to E.709

This section deals with general topics applicable throughout the E.700-Series Recommendations.

3 Traffic modelling: Recommendations E.710 to E.719

This section provides guidance on how to characterize the traffic that will be offered in ISDNs.

4 Grade of Service: Recommendations E.720 to E.729

This section defines Grade of Service (GOS) concepts and parameters that will be significant in ISDNs and sets objectives for these parameters.

5 Dimensioning methods: Recommendations E.730 to E.739

This section provides methods to relate the offered traffic and Grade of Service objectives in order to allocate sufficient resources for planning and design purposes.

6 Traffic measurements: Recommendations E.740 to E.749

This section describes traffic measurement and performance monitoring requirements.