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ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

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(03/93)

INTERWORKING BETWEEN NETWORKS: GENERAL

GENERAL ARRANGEMENTS FOR INTERWORKING BETWEEN A PACKET SWITCHED PUBLIC DATA NETWORK (PSPDN) AND THE INTERNATIONAL TELEX NETWORK

ITU-T Recommendation X.340

(Previously "CCITT Recommendation")

FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. 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, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation X.340 was prepared by the ITU-T Study Group VII (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

NOTES

1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

In order not to delay publication of this Recommendation, no change has been made in the text to references containing the acronyms "CCITT, CCIR or IFRB" or their associated entities such as Plenary Assembly, Secretariat, etc. Future editions of this Recommendation will contain the proper terminology related to the new ITU structure.

2 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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INTRODUCTION

This Recommendation is one of a set of Recommendations introduced to facilitate considerations of interworking between networks. It is based on Recommendation X.300, which defines the general principles for interworking between public data networks, and between public data networks and other networks for the provision of data transmission service. Recommendation X.300 indicates in particular how collections of physical equipment can be represented as “sub-networks”^C for consideration in interworking situations.

The Recommendation describes the interworking arrangements between a PSPDN and the international telex network.

In this case, the service provided to users is neither a data transmission service (see Recommendation X.300) nor is it the international telex service (see Recommendation F.60).

Recommendation X.340

GENERAL ARRANGEMENTS FOR INTERWORKING BETWEEN A PACKET SWITCHED PUBLIC DATA NETWORK (PSPDN) AND THE INTERNATIONAL TELEX NETWORK

(Helsinki, 1993)

Preface

The establishment in various countries of public data networks providing packet switched data transmission service creates a need to produce standards to facilitate interworking with the international telex network.

The CCITT,

considering

- (a) the urgent need to allow packet switched public data networks (PSPDNs) to interwork with the international telex network;
- (b) that Recommendation X.300 defines the general principles for interworking between public data networks and other networks;
- (c) that Recommendation X.301 defines the general arrangements for call control within a subnetwork and between subnetworks for the provision of data transmission services;
- (d) that Recommendation X.302 defines the general arrangements for internal network utilities within a subnetwork and between subnetworks for the provision of data transmission services;
- (e) that Recommendation X.1 defines international user classes of service in, and categories of access to, public data networks and integrated service digital network (ISDNs);
- (f) that Recommendation X.3 defines the packet assembly/disassembly facility (PAD) in a public data network;
- (g) that Recommendation X.28 specifies DTE/DCE interface for a start-stop mode data terminal equipment accessing the packet assembly/disassembly facility (PAD) in a public data network situated in the same country;
- (h) that Recommendation X.29 specifies procedures for the exchange of control information and user data between a packet assembly/disassembly (PAD) facility and a packet mode DTE or another PAD;
- (i) that Recommendation X.75 specifies detailed procedures applicable to packet switched signalling system between public networks providing data transmission services;
- (j) that Recommendation F.59 lists the general characteristics of the international telex service;
- (k) that Recommendation F.60 describes operational provisions for the international telex service;
- (l) that Recommendation F.80 defines the basic requirements to be met for interworking relations between the international telex service and other services;
- (m) that Recommendation F.83 defines the operational principles for communication between terminals of the international telex network and data terminal equipment on packet switched public data network;

Documents

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