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**INTEGRATED SERVICES DIGITAL
NETWORK (ISDN)**

**OVERALL NETWORK ASPECTS AND
FUNCTIONS**

**FRAME RELAYING BEARER SERVICE
NETWORK-TO-NETWORK INTERFACE
REQUIREMENTS**

ITU-T Recommendation I.372

(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 I.372 was prepared by the ITU-T Study Group XVIII (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 Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.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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Recommendation I.372

FRAME RELAYING BEARER SERVICE NETWORK-TO-NETWORK INTERFACE REQUIREMENTS

(Helsinki, 1993)

1 Introduction

Recognizing the range of data applications and bit rates supported by frame relaying bearer services (FRBS) there is a need to develop the functionalities of the ISDN FRBS network-to-network interface as well as the UNI.

Recommendation I.233.1 defines the frame relaying bearer service (FRBS) requirements at the user-to-network interface. The bearer service provides, bi-directional transfer of protocol data units (PDU) (layer 2 frames) from one S- or T-reference point to another with the order preserved (see 3.1/I.233.1) and uses Recommendation Q.922 core functions (see Annex A/Q.922). The congestion management and control procedures are described in Recommendation I.370. The interworking requirements for the FRBS and other services are to be described in a future Recommendation.

The scope of this Recommendation is to define network-to-network interface requirements independently of the Lower Layer transport used (see Figure 1).

This Recommendation primarily defines permanent virtual circuit (PVC) requirements. Switched virtual circuit (SVC) requirements are outlined in 8, however, additional details are for further study.

Lower Layer requirements:

- digital hierarchies up to level 3 rates (34 368 kbit/s or 44 736 kbit/s) (see 9.1);
- broadband ISDN (B-ISDN) (see 9.2).

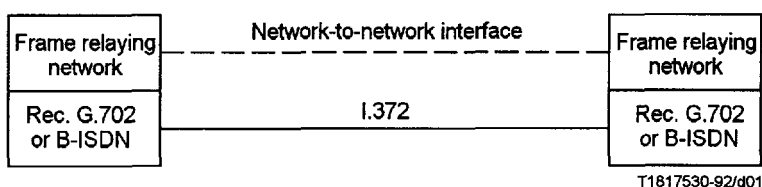


FIGURE 1/I.372
Definition of scope

2 Definitions

Terms and definitions are given in Recommendations I.113, I.233.1 and I.370.