



INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

# X.622

(07/94)

**DATA NETWORKS AND OPEN SYSTEM  
COMMUNICATIONS**

**OSI NETWORKINGS AND SYSTEM ASPECTS –  
NETWORKING**

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**INFORMATION TECHNOLOGY –  
PROTOCOL FOR PROVIDING  
THE CONNECTIONLESS-MODE NETWORK  
SERVICE: PROVISION OF THE UNDERLYING  
SERVICE BY AN X.25 SUBNETWORK**

**ITU-T Recommendation X.622**

(Previously “CCITT Recommendation”)

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## 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. Some 179 member countries, 84 telecom operating entities, 145 scientific and industrial organizations and 38 international organizations participate in ITU-T which is the body which sets world telecommunications standards (Recommendations).

The approval of Recommendations by the Members of ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, 1993). In addition, the World Telecommunication Standardization Conference (WTSC), which meets every four years, approves Recommendations submitted to it and establishes the study programme for the following period.

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. The text of ITU-T Recommendation X.622 was approved on 1st of July 1994. The identical text is also published as ISO/IEC International Standard 8473-3.

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## 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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**ITU-T X-SERIES RECOMMENDATIONS**  
**DATA NETWORKS AND OPEN SYSTEM COMMUNICATIONS**  
 (February 1994)

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## Summary

This Recommendation | International Standard specifies the mapping between an X.25 subnetwork and the Connectionless Layer Network Layer service assumed by the Connectionless Layer Network Layer Protocol as defined in Recommendation X.233.

## Introduction

This is one of a set of Recommendations and International Standards produced to facilitate the interconnection of open systems. The set covers the services and protocols required to achieve such interconnection.

This Recommendation | International Standard is positioned with respect to other related Recommendations and International Standards by the layers defined in ITU-T Rec. X.200 | ISO/IEC 7498-1. In particular, it defines the way in which an X.25 subnetwork may be used within the Network layer to provide the abstract underlying service with respect to which the protocol defined by ITU-T Rec. X.233 | ISO/IEC 8473-1 is specified.

In order to evaluate the conformance of a particular implementation of this protocol, it is necessary to have a statement of which of the protocol's capabilities and options have been implemented. Such a statement is called a Protocol Implementation Conformance Statement (PICS), as defined in CCITT Rec. X.290 | ISO/IEC 9646-1. A PICS proforma, from which a PICS may be prepared for a specific implementation, is included in this Recommendation | International Standard as normative Annex A.