

# INTERNATIONAL STANDARD

**ISO/IEC**  
**8602**

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**AMENDMENT 1**  
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## **Information technology — Protocol for providing the OSI connectionless-mode transport service**

### **AMENDMENT 1: Addition of connectionless- mode multicast capability**

*Technologies de l'information — Protocole pour la fourniture du service de  
transport OSI en mode sans connexion*

*AMENDEMENT 1: Addition d'une capacité multidestinataire en mode sans  
connexion*



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## Foreword

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In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Amendment 1 to International Standard ISO/IEC 8602:1995 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. X.234/Amd.1.

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## Introduction

This amendment to ITU-T Rec. X.234 (1994) | ISO/IEC 8602:1995 provides the capability to the connectionless-mode Transport protocol to support multicast PDU transfer when used in conjunction with the multicast services of the connectionless-mode Network service. The protocol for providing the connectionless-mode Transport service is contained entirely in ITU-T Rec. X.234 | ISO/IEC 8602.

ITU-T Rec. X.234 | ISO/IEC 8602 restricts the connectionless-mode Transport to the case of exchanging TPDU's between one sending TS-user and one receiving TS-user. Subnetwork standards exist which support the transfer of a SDU from one entity to a number of other entities in a single logical operation. Work is on-going to develop the capabilities for exchanging multicast PDUs at the Network layer. This amendment is directed at providing multicast Transport service via multicast capabilities of the Network service if they are available. With the current ITU-T Rec. X.234 | ISO/IEC 8602, no Transport layer capabilities are described to utilize such multicast Network services.

This amendment defines additional assumptions concerning the services optionally provided by the Network layer and adds no new functions of its own.