
**Information technology —
Telecommunications and information
exchange between systems — Multicast
Session Management Protocol (MSMP)**

*Technologies de l'information — Téléinformatique — Protocole de
gestion de session de multidiffusion (MSMP)*

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

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Introduction

Multicast Session Management Protocol (MSMP) will operate over the conventional transport protocols and/or Enhanced Communications Transport Protocol (ECTP), as shown in Figure 1.

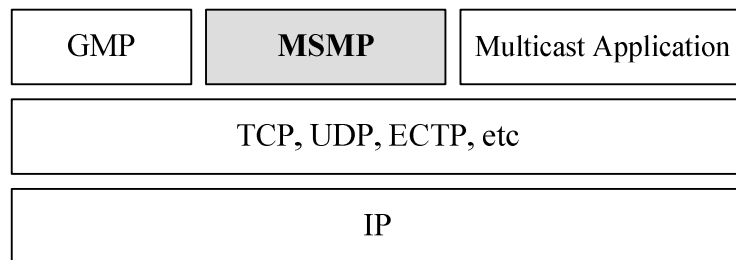


Figure 1 — MSMP Model (MSMP Protocol Stack)

Information technology — Telecommunications and information exchange between systems — Multicast Session Management Protocol (MSMP)

1 Scope

This International Standard provides a specification of a Multicast Session Management Protocol (MSMP), which is an application-layer control protocol for managing quality of service for group communication. MSMP consists of QoS management (QM) functions.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ITU-T Rec. X.601 (2000), *Information technology — Multi-Peer Communications Framework*

ITU-T Rec. X.602 (2004) | ISO/IEC 16513: 2005, *Information technology — Group management protocol*

ITU-T Rec. X.605 (1998) | ISO/IEC 13252:1999, *Information technology — Enhanced communications transport service definition*

ITU-T Rec. X.606 (2001) | ISO/IEC 14476-1:2002, *Information technology — Enhanced communications transport protocol: Specification of simplex multicast transport*

ITU-T Rec. X.606.1 (2002) | ISO/IEC 14476-2:2003, *Information technology — Enhanced communications transport protocol: Specification of QoS management for simplex multicast transport*