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**INTERNATIONAL
STANDARD**

**ISO/IEC
15851**

First edition
1999-03-01

Information technology — Communication protocol — Open MUMPS Interconnect

*Technologies de l'information — Protocole de communication —
Interconnexion de systèmes ouverts pour le langage MUMPS*



Reference number
ISO/IEC 15851:1999(E)

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Printed in Switzerland

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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. 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.

International Standard ISO/IEC 15851 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

Information technology — Communication protocol — Open MUMPS Interconnect

1 Scope

1.1 Scope

Open MUMPS Interconnect defines a method for network access to MUMPS databases. The protocol provides all basic operations on the sparse tree-structured MUMPS database.

1.2 Purpose

Because the MUMPS language standard (see 2) defines the operations on its database facilities, a MUMPS-specific protocol is required to extend these facilities into an open systems environment.

1.3 Application

Developed primarily for connection of different implementations of the MUMPS language, the protocol may also be used by other languages to gain access to a MUMPS database or to provide a MUMPS database service.

OMI may also be used for inter-task operations on a single computer, for example between two different products.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ANSI X3.4-1990, *American standard code for information interchange*.

ANSI/MDC X11.1-1995, *American national standard for information systems — programming languages — MUMPS*.

ISO/IEC 8859-1:1998, *Information technology — 8-bit single-byte coded graphic character sets — Part 1: Latin alphabet No. 1*.