

INTERNATIONAL STANDARD

ISO/IEC
9596-1

Second edition
1991-06-01

Information technology — Open Systems Interconnection — Common management information protocol —

Part 1: Specification

*Technologies de l'information — Interconnexion des systèmes
ouverts — Protocole commun d'information de gestion —*

Partie 1: Spécification



Reference number
ISO/IEC 9596-1:1991(E)

Contents

	page
Foreword	iii
1 Scope	1
2 Normative references	1
3 Definitions	2
3.1 Basic Reference Model definitions	2
3.2 Management Framework definitions	2
3.3 Remote Operations definitions	2
3.4 CMIS definitions	2
3.5 ACSE definitions	2
3.6 Presentation definitions	3
4 Symbols and abbreviations	3
5 Overview	3
5.1 Service provided	3
5.2 Underlying services	3
5.3 Management information definitions	4
6 Elements of procedure	4
6.1 Association establishment	4
6.2 Remote operations	4
6.3 Event reporting procedure	5
6.4 Get procedure	6
6.5 Set procedure	7
6.6 Action procedure	8
6.7 Create procedure	9
6.8 Delete procedure	9
6.9 Association orderly release	10
6.10 Association abrupt release	10
7 Abstract syntax	10
7.1 Conventions	10
7.2 Correspondence between CMISE primitives and CMIP operations	11
7.3 ACSE user data	11
7.4 CMIP data units	12
7.5 Definition of abstract syntax for CMIP	19
8 Conformance	20
8.1 Static requirements	20
8.2 Dynamic requirements	20
Annexes	
A (normative) Association rules for CMISE	21
B (informative) Expanded ASN.1 syntax	24
C (informative) Examples of CMISE ROSE APDUs	33
D (informative) Revisions of CMIP	34

© ISO/IEC 1991

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

ISO/IEC Copyright Office • Case postale 56 • CH-1211 Genève • Switzerland

Printed in Switzerland

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 9596-1 was prepared by the Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

This second edition cancels and replaces the first edition (ISO/IEC 9596 : 1990), which has been technically revised.

ISO/IEC 9596 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Common management information protocol*:

— *Part 1: Specification*

— *Part 2: Protocol implementation conformance statement (PICS) proforma*

Annex A forms an integral part of this part of ISO/IEC 9596. Annexes B, C and D are for information only.