

Second edition  
2005-05-01

---

---

## **Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities: Registration of application processes and application entities**

*Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Procédures pour le fonctionnement des autorités d'enregistrement OSI: Enregistrement des processus d'application (AP) et des entités d'application (AE)*

---

---

Reference number  
ISO/IEC 9834-6:2005(E)



This is a preview of "ISO/IEC 9834-6:2005". [Click here to purchase the full version from the ANSI store.](#)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO/IEC 2005

All rights reserved. Unless otherwise specified, 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 either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO/IEC 9834-6:2005". [Click here to purchase the full version from the ANSI store.](#)

## CONTENTS

|                                                                                | <i>Page</i> |
|--------------------------------------------------------------------------------|-------------|
| 1 Scope .....                                                                  | 1           |
| 2 Normative references .....                                                   | 1           |
| 2.1 Identical Recommendations   International Standards .....                  | 1           |
| 2.2 Additional references .....                                                | 1           |
| 3 Definitions .....                                                            | 1           |
| 3.1 OSI Reference Model terms .....                                            | 2           |
| 3.2 Naming and addressing terms .....                                          | 2           |
| 3.3 Application Layer Structure terms .....                                    | 2           |
| 3.4 Registration-hierarchical-name-tree and object identifier tree terms ..... | 2           |
| 3.5 Directory terms .....                                                      | 2           |
| 3.6 ASN.1 terms .....                                                          | 2           |
| 4 Abbreviations .....                                                          | 2           |
| 5 General considerations .....                                                 | 3           |
| 5.1 Introduction .....                                                         | 3           |
| 5.2 Requirements for registration authorities .....                            | 3           |
| 6 Registration procedures .....                                                | 4           |
| 6.1 AP registration procedures .....                                           | 4           |
| 6.2 AE registration procedures .....                                           | 4           |
| 7 Minimum information requirements .....                                       | 4           |
| 8 Technical role .....                                                         | 5           |
| 9 Maintenance procedures .....                                                 | 5           |

## 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 9834-6 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.665.

This second edition cancels and replaces the first edition (ISO/IEC 9834-6:1993), which has been technically revised.

ISO/IEC 9834 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Procedures for the operation of OSI Registration Authorities*:

- *Part 1: General procedures and top arcs of the ASN.1 Object Identifier tree*
- *Part 2: Registration procedures for OSI document types*
- *Part 3: Registration of Object Identifier arcs beneath the top-level arc jointly administered by ISO and ITU-T*
- *Part 4: Register of VTE Profiles*
- *Part 5: Register of VT Control Object Definitions*
- *Part 6: Registration of application processes and application entities*
- *Part 7: Joint ISO and ITU-T Registration of International Organizations*
- *Part 8: Generation and registration of Universally Unique Identifiers (UUIDs) and their use as ASN.1 Object Identifier components*

This is a preview of "ISO/IEC 9834-6:2005". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

This Recommendation | International Standard identifies an administrative role for Registration Authorities for application-process-titles and application-entity qualifiers, based on the procedures for the operation of OSI registration authorities contained in ITU-T Rec. X.660 | ISO/IEC 9834-1. No technical role is defined.

ITU-T Rec. X.650 | ISO/IEC 7498-3, 13.1, specifies the need to assign globally unambiguous names to application-processes and application-entities. The syntactic forms of these titles are specified in ITU-T Rec. X.227 | ISO/IEC 8650.

ITU-T Study Group 17 and ISO/IEC JTC 1/SC 6 are jointly responsible for the syntactic definition of application-processes and application-entities.