
**Information technology — Open Systems
Interconnection — Generic upper layers
security: Security Exchange Service
Element (SESE) Protocol Implementation
Conformance Statement (PICS) proforma**

*Technologies de l'information — Interconnexion de systèmes
ouverts (OSI) — Sécurité générique pour les couches hautes: Proforme de
déclaration de conformité pour la mise en œuvre du protocole (PICS) de
l'élément de service d'échange de sécurité (SESE)*



Contents

	<i>Page</i>
1 Scope	1
2 Normative references	1
2.1 Identical Recommendations International Standards	1
2.2 Paired Recommendations International Standards equivalent in technical content	1
3 Definitions	2
4 Abbreviations	2
5 Conventions	2
6 Conformance	2
Annex A – Protocol Implementation Conformance Statement (PICS) proforma for the SESE protocol	
A.1 Notations defined for the proforma	3
A.1.1 Status column	3
A.1.2 Support column	3
A.2 PICS numbers	3
A.3 Completion of the PICS	4
A.4 Date of statement	4
A.5 Implementation details	4
A.6 ITU-T Rec. X.832 ISO/IEC 11586-3 protocol details	5
A.6.1 ITU-T Rec. X.832 ISO/IEC 11586-3 technical corrigenda implemented	5
A.7 Global statement of conformance	5
A.8 Supported APDUs	5
A.9 Supported APDU parameters	6
A.9.1 SE-Transfer (SETR)	6
A.9.2 SE-U-Abort (SEAB)	6
A.9.3 SE-P-Abort (SEPA)	6
A.9.4 Problem codes	7
A.10 Abstract syntax	7
A.11 Application Context	7
A.12 Security exchanges	7
A.12.1 Class of Security Exchange Supported	7
A.12.2 Exchange Supported	8
A.12.3 Directory Authentication Exchange (one way)	8
A.12.4 Directory Authentication Exchange (two way)	8
A.12.5 Simple Negotiation Exchange	8

© ISO/IEC 1997

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 the publisher.

ISO/IEC Copyright Office • Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland



Documents

Document Sharing Hub

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 11586-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 21, *Open systems interconnection, data management and open distributed processing*, in collaboration with ITU-T. The identical text is published as ITU-T Recommendation X.834.

ISO/IEC 11586 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Generic upper layers security*:

- *Part 1: Overview, models and notation*
- *Part 2: Security Exchange Service Element (SESE) service definition*
- *Part 3: Security Exchange Service Element (SESE) protocol specification*
- *Part 4: Protecting transfer syntax specification*
- *Part 5: Security Exchange Service Element (SESE) Protocol Implementation Conformance Statement (PICS) proforma*
- *Part 6: Protecting transfer syntax Protocol Implementation Conformance Statement (PICS) Proforma*

Annex A forms an integral part of this part of ISO/IEC 11586.

Introduction

This Recommendation | International Standard forms part of a series of Recommendations | International Standards that provide generic upper layer security services. The parts are as follows:

- Part 1: Overview, Model and Notation.
- Part 2: Security Exchange Service Element Service Definition.
- Part 3: Security Exchange Service Element Protocol Specification.
- Part 4: Protecting Transfer Syntax Specification.
- Part 5: Security Exchange Service Element Service PICS Proforma.
- Part 6: Protecting Transfer Syntax PICS Proforma.

This Recommendation | International Standard constitutes Part 5 of the series.

Part 3 defines a protocol for the communication of security exchange information between open systems as part of the operation of a security mechanism. To evaluate the conformance of a particular implementation, it is necessary to have a description of the capabilities and options which have been implemented. Such a description is called a Protocol Implementation Conformance Statement (PICS). This Recommendation | International Standard includes the PICS proforma for the security exchange service element protocol specified in Part 3 and the security exchanges defined in Part 1, Annex C.