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Information processing systems — Open Systems Interconnection — Service definition for the Association Control Service Element

*Systèmes de traitement de l'information — Interconnexion de systèmes ouverts — Définition du
service pour l'élément de service de contrôle d'association*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8649 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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0 Introduction

0.1 This International Standard is one of a set of International Standards produced to facilitate the interconnection of information processing systems. It is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection (ISO 7498). The reference model subdivides the area of standardization for interconnection into a series of layers of specification, each of manageable size.

0.2 The goal of Open Systems Interconnection is to allow, with a minimum of technical agreement outside the interconnection standards, the interconnection of information processing systems:

- from different manufacturers;
- under different managements;
- of different levels of complexity; and
- of different technologies.

0.3 This International Standard recognizes that application-processes may wish to communicate with each other for a wide variety of reasons. However, any communication will require the performance of certain services independent of the reasons for communication. The application-service-element defined herein provides such services.

0.4 This International Standard defines services provided by the application service element for application-association control: the Association Control Service Element (ACSE). The ACSE provides basic facilities for the control of an application-association between two application-entities that communicate by means of a presentation-connection.

0.5 The use of services defined in this International Standard is also governed by the use of the presentation-service (ISO 8822) and the session-service (ISO 8326).

0.6 It is recognized that, with respect to ACSE Quality of Services (QOS), described in clause 9, work is still in progress to provide an integrated treatment of QOS across all layers of the OSI Reference Model, and to ensure that the individual treatments in each layer service satisfy overall QOS objectives in a consistent manner. As a consequence,

an addendum may be added to this International Standard at a later time which reflects further QOS developments and integration.

1 Scope and field of application

This International Standard defines ACSE services for application-association control in an open systems interconnection environment. The ACSE services are provided by the use of the ACSE protocol (ISO 8650) in conjunction with the presentation-service (ISO 8822). The ACSE services assume as a minimum the use of the presentation-service Kernel functional unit.

This International Standard does not specify individual implementations or products, nor does it constrain the implementation of entities and interfaces within a computer system.

No requirement is made for conformance to this International Standard.

2 References

ISO 7498, *Information processing systems - Open Systems Interconnection - Basic Reference Model*.

ISO 7498-3, *Information processing systems - Open Systems Interconnection - Basic Reference Model - Part 3: Naming and Addressing*.¹

ISO 8326, *Information processing systems - Open Systems Interconnection - Basic connection oriented session service definition*.

ISO 8327, *Information processing systems - Open Systems Interconnection - Basic connection oriented session protocol specification*.

ISO/TR 8509, *Information processing systems - Open Systems Interconnection - Service conventions*.

¹ At present at the stage of draft, publication anticipated in due course.