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Information technology — International Standardized Profiles ADFnn — Document Filing and Retrieval (DFR) —

Part 2:

Specification of ROSE, RTSE, ACSE,
Presentation and Session protocols for use by
DFR

*Technologies de l'information — Profils normalisés internationaux ADFnn
— Classement et recherche documentaire (DFR) —*

*Partie 2: Spécification de ROSE, RTSE, ACSE, protocoles de session et de
présentation pour emploi par DFR*



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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. In addition to developing International Standards, ISO/IEC JTC 1 has created a Special Group on Functional Standardization for the elaboration of International Standardized Profiles.

An International Standardized Profile is an internationally agreed, harmonized document which identifies a standard or group of standards, together with options and parameters, necessary to accomplish a function or a set of functions.

Draft International Standardized Profiles are circulated to national bodies for voting. Publication as an International Standardized Profile requires approval by at least 75 % of the national bodies casting a vote.

International Standardized Profile ISO/IEC ISP 12069-2 was prepared with the collaboration of

- Asia-Oceania Workshop (AOW);
- European Workshop for Open Systems (EWOS);
- Open Systems Environment Implementors' Workshop (OIW).

ISO/IEC ISP 12069 consists of the following parts, under the general title *Information technology — International Standardized Profiles ADFnn — Document Filing and Retrieval (DFR)*:

- *Part 1: Introduction to the DFR ISP*
- *Part 2: Specification of ROSE, RTSE, ACSE, Presentation and Session protocols for use by DFR*
- *Part 3: ADF11 — Common Document Filing and Retrieval — Read Only Profile*

Annexes A and B form an integral part of this part of ISO/IEC ISP 12069.

Information technology — International Standardized Profiles ADFnn — Document Filing and Retrieval (DFR) —

Part 2:

Specification of ROSE, RTSE, ACSE, Presentation and Session protocols for use by DFR

1 Scope

1.1 General

This part of ISO/IEC ISP 12069 specifies how the Remote Operations Service Element, the Reliable Transfer Service Element, the Association Control Service Element, the Presentation Layer, and the Session Layer standards shall be used to provide the required OSI upper layer functions for DFR (see also figure 1). These specifications are therefore the common basis for all DFR Profiles as defined in the other part of ISO/IEC ISP 12069.

1.2 Position within the taxonomy

This part of ISO/IEC ISP 12069 is the second part of the DFR ISPs.

The structure of DFR ISPs is described in ISO/IEC ISP 12069 Part 1.

It may be combined with any T-Profiles (see ISO/IEC TR 10000) specifying the OSI connection — mode Transport service.

1.3 Scenario

The model used is one of two end systems running an end-to-end association using either or both of ROSE and ACSE, Presentation and Session services and protocols. RTSE is optional (see figure 1).