

INTERNATIONAL STANDARDIZED PROFILE

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Information technology — International Standardized Profile — Common upper layer requirements —

Part 2:

Basic connection oriented requirements for
ROSE-based profiles

*Technologies de l'information — Profil normalisé international —
Prescriptions communes pour la couche supérieure —*

*Partie 2: Prescriptions orientées vers la connexion de base pour les profils
basés sur ROSE*



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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 organisation to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organisations, governmental or 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 JTC1 has created a Special Group on Functional Standardization for 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 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.

This part of ISO/IEC ISP 11188 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 11188 consists of the following parts, under the general title *Information technology - International Standardized Profile - Common upper layer requirements* :

- *Part 1 : Basic connection oriented requirements*
- *Part 2 : Basic connection oriented requirements for ROSE-based profiles*
- *Part 3 : Minimal OSI upper layer facilities*

Annexes A and B form an integral part of this part of ISO/IEC ISP 11188.

Introduction

This part of ISO/IEC ISP 11188 is defined within the context of Functional Standardization, in accordance with the principles specified by ISO/IEC TR 10000, "Framework and Taxonomy of International Standardized Profiles". The context of Functional Standardization is one part of the overall field of Information Technology (IT) standardization activities, covering base standards, profiles and registration mechanisms. A Profile defines a combination of base standards that collectively perform a specific well-defined IT Function. Profiles standardize the use of options and other variations in the base standards, and provide a basis for the development of uniform, internationally recognized system tests.

ISO/IEC ISP 11188 as a multipart ISP specifies the general requirements on the use of OSI connection-mode protocols by A-profiles. These are identified as "Common upper layer requirements".

The parts of ISO/IEC ISP 11188 do not contain the definition of any complete profiles, but can be referenced normatively by other ISPs which do define A-profiles. In addition, a referencing ISP may specify further requirements on the protocols, provided it does not contradict this ISP.

The purpose ISO/IEC ISP 11188 is to provide common text for ISPs which specify A-profiles. In addition to simplifying their drafting, it also facilitates the common implementation of the protocols for use in different A-profile contexts.

This part of ISO/IEC ISP 11188 documents ROSE-specific requirements over and above the common upper layer requirements specified in ISO/IEC ISP 11188-3. It specifies the use of the connection-mode protocols of the ACSE, the ROSE and the Presentation and Session layers of OSI.