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Australian Standard®

**Information technology—Framework
and taxonomy of international
standardized processes**

Part 1: Framework



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standardized profiles**

Part 1: Framework

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PREFACE

This Standard was prepared by the Standards Australia Committee on Information Technology—Interconnection. It is identical with and has been reproduced from ISO/IEC/TR 10000-1:1990, *Information technology—Framework and taxonomy of International Standardized Profiles—Part 1: Framework*.

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ISO/IEC 9646	Information technology—OSI conformance testing methodology and framework		
9646-1	Part 1: General Concepts	—	
9646-2	Part 2: Abstract test suite specification	—	
TR 10000	Information technology—Framework and taxonomy of International Standardized Profiles	396.3	Information technology—Framework and taxonomy of International Standardized Profiles
TR 10000-2	Part 2: Taxonomy of profiles	3966.2	Part 2: Taxonomy of profiles
Directives Part 3	Drafting and presentation of International Standards	—	

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Information technology—Framework and taxonomy of international standardized profiles

Part 1: Framework

1 Scope

This part of ISO/IEC/TR 10000 defines the concept of Profiles, and the way in which they are documented in International Standardized Profiles. It gives guidance to organizations making proposals for Draft International Standardized Profiles, on the nature and content of the documents they are producing.

This part of ISO/IEC/TR 10000 outlines concepts of Profiles, the general Taxonomy (or Classification Scheme), and the format and content of ISPs. Annex A gives details of the format and content of ISPs as required by ISO/IEC JTC 1. Annex B gives examples of the ways in which Profile definitions are incorporated in ISPs for publication. Annex C gives guidance on conformance aspects of Profiles, and indicates the direction in which ISO/IEC/TR 10000 may be developed in the future. Annex D lists those ISO/IEC Standards and CCITT Recommendations which are quoted in examples.

ISO/IEC/TR 10000-2 provides a full classification for Profiles which may be or have been submitted for ratification as International Standardized Profiles.

ISO/IEC/TR 10000 is applicable to Profiles in the area of competence of ISO/IEC JTC 1, and within this, priority consideration has been given to Profiles in the OSI area, i.e. those which specify OSI base standards and those concerned with interchange formats and data representation which are expected to be used in conjunction with them, though this subject is still for further study. In addition, as a lower priority, it is also applicable to Profiles specifying the use of other ISO/IEC JTC 1 base standards, for example:

- Open Distributed Processing;
- the representation of information or objects on storage media (as opposed to the current limitation to use with communication protocols);
- logical and physical storage structures.

However, it is recognized that the scope of the concept of Profiles may ultimately be wider than that of ISO/IEC JTC 1. Examples of other areas to which the concept may eventually be extended by other Technical Committees are:

- interchange formats defined for particular application areas (e.g. trade data interchange formats in ISO/TC 154);
- protocols used in particular application areas (e.g. banking protocols in ISO/TC 68, industrial automation protocols in ISO/TC 184), which may also specify particular uses of the more generic Profiles included in this Taxonomy.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC/TR 10000. At the time of publication, the editions indicated are valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC/TR 10000 are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1498:1984, *Information processing systems - Open Systems Interconnection - Basic Reference Model.*
(Corresponds to CCITT X.200)

ISO/IEC 9646-1:....., ¹⁾ *Information technology - OSI conformance testing methodology and framework - Part 1: General Concepts.*
(Corresponds to CCITT X.290 Part 1)

ISO/IEC 9646-2:....., ¹⁾ *Information technology - OSI conformance testing methodology and framework - Part 2: Abstract test suite specification.*
(Corresponds to CCITT X.290 Part 2)

ISO/IEC/TR 10000-2:1990 *Information technology - Framework and taxonomy of International Standardized Profiles - Part 2: Taxonomy.*

IEC/ISO Directives Part 3:1989, *Drafting and presentation of International Standards*

A number of other ISO Standards and CCITT Recommendations are quoted in examples which do not constitute provisions of this part of ISO/IEC/TR 10000. They are listed in annex D.

1) To be published.