INTERNATIONAL STANDARD

ISO/IEC 13719-3

Second edition
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Information technology — Portable Common Tool Environment (PCTE) —

Part 3:
Ada programming language binding

Technologies de l'information — Environnement d'outil courant portable (PCTE) —

Partie 3: Liant de langage de programmation Ada

Reference number
ISO/IEC 13719-3:1998(E)

Contents

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 13719-3 was prepared by ECMA (as Standard ECMA-162) and was adopted, under a special "fast-track procedure", by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

This second edition cancels and replaces the first edition (ISO/IEC 13719-3:1995), which has been technically revised.

ISO/IEC 13719 consists of the following parts, under the general title *Information technology - Portable Common Tool Environment (PCTE):*

– *Part 1: Abstract specification*

– *Part 2: C programming language binding*

– *Part 3: Ada programming language binding*

– *Part 4: IDL binding (Interface Definition Language)*

Annex A forms an integral part of this part of ISO/IEC 13719.

Information technology — Portable Common Tool Environment (PCTE) —

Part 3:
Ada programming language binding

1 Scope

This part of ISO/IEC 13719 defines the binding of the Portable Common Tool Environment (PCTE) interfaces, as specified in ISO/IEC 13719-1, to the Ada programming language.

A number of features are not completely defined in ISO/IEC 13719-1, some freedom being allowed to the implementor. Some of these features are specified as implementation limits. Some constraints are placed on these implementation limits by this part of ISO/IEC 13719. These constraints are specified in clause 24.

PCTE is an interface to a set of facilities that forms the basis for constructing environments supporting systems engineering projects. These facilities are designed particularly to provide an infrastructure for programs which may be part of such environments. Such programs, which are used as aids to system development, are often referred to as tools.

2 Conformance

An implementation of PCTE conforms to this part of ISO/IEC 13719 if it conforms to 2.2 of ISO/IEC 13719-1, where the binding referred to there is taken to be the Ada language binding defined in clauses 1 to 5 and 8 to 25 of this part of ISO/IEC 13719. All other parts of this part of ISO/IEC 13719 are provided as assistance to the reader and are not normative.

The Ada language binding defined in this part of ISO/IEC 13719 conforms to 2.1 of ISO/IEC 13719-1.

3 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 13719. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 13719 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 13719-1:1998,	*Information technology - Portable Common Tool Environment (PCTE) - Part 1: Abstract specification.*
ISO/IEC 13719-2:1998,	*Information technology - Portable Common Tool Environment (PCTE) - Part 2: C programming language binding.*
ISO 8601:1988,	*Data elements and interchange formats - Information interchange - Representation of dates and times.*
ISO/IEC 8652:1995,	*Information technology - Programming languages - Ada.*

ISO/IEC TR 10182:1993, *Information technology - Programming languages, their environments and system software interfaces - Guidelines for language bindings.*

ISO/IEC 11404:1996, *Information technology - Programming languages, their environments and system software interfaces - Language-independent datatypes.*