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**Information technology — Computer
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Presentation Environment for Multimedia
Objects (PREMO) —**

**Part 2:
Foundation Component**

*Technologies de l'information — Infographie et traitement d'images —
Environnement de présentation d'objets multimédia (PREMO) —*

Partie 2: Composant fondamental

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this part of ISO/IEC 14478 may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 14478-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

ISO/IEC 14478 consists of the following parts, under the general title *Information technology — Computer graphics and image processing — Presentation Environment for Multimedia Objects (PREMO)*:

- *Part 1: Fundamentals of PREMO*
- *Part 2: Foundation Component*
- *Part 3: Multimedia Systems Services*
- *Part 4: Modelling, rendering and interaction component*

Annexes A and B form a normative part of this part of ISO/IEC 14478. Annex C is for information only.

Introduction

This part of ISO/IEC 14478 defines those object types and non-object types which belong to the Foundation Component. Any conforming PREMO implementation shall support these object types. The description of object types categories are given first and then the foundation object types in each category are described.

Information technology — Computer graphics and image processing — Presentation Environment for Multimedia Objects (PREMO) —

Part 2: Foundation Component

1 Scope

This part of ISO/IEC 14478 lists an initial set of object types and non-object types useful for the construction of, presentation of, and interaction with multimedia information. This part is dependent on the PREMO object model defined in clause 8 of ISO/IEC 14478-1. The foundation component does not depend on any other components.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 14478. 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 14478 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 14478-1:1998, *Information technology — Computer graphics and image processing — Presentation Environment for Multimedia Objects (PREMO) — Part 1: Fundamentals of PREMO*.

ISO/IEC 11172 (all parts), *Information technology — Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s*.