

INTERNATIONAL STANDARD

ISO/IEC
9636-2

First edition
1991-12-15

Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification —

Part 2: Control

*Technologies de l'information — Infographie — Interfaces pour
l'infographie — Spécifications fonctionnelles —*

Partie 2: Contrôle



Reference number
ISO/IEC 9636-2:1991(E)

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Printed in Switzerland

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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. 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 9636-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

ISO/IEC 9636 consists of the following parts, under the general title *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification*:

- *Part 1: Overview, profiles, and conformance*
- *Part 2: Control*
- *Part 3: Output*
- *Part 4: Segments*
- *Part 5: Input and echoing*
- *Part 6: Raster*

Annexes A and B form an integral part of this part of ISO/IEC 9636. Annex C is for information only.

Introduction

This part of ISO/IEC 9636 describes the functions of the Computer Graphics Interface concerned with Virtual Device management, coordinate space control, and error control.

The functionality incorporated in this part of ISO/IEC 9636 is concerned with the management of the graphics image and the interrelationship of the graphical and non-graphical parts of the interface.

The functionality described in this part of ISO/IEC 9636 pertains to all classes of CGI Virtual Device (i.e. INPUT, OUTPUT, or OUTIN).

Information technology – Computer graphics – Interfacing techniques for dialogues with graphical devices (CGI) – Functional specification –

Part 2: Control

1 Scope

This part of ISO/IEC 9636 establishes those functions of the Computer Graphics Interface concerned with Virtual Device management, coordinate space control, and error control.

The functionality incorporated in this part of ISO/IEC 9636 is concerned with the management of the graphics image and the interrelationship of the graphical and non-graphical parts of the interface.

This part of ISO/IEC 9636 is part 2 of ISO/IEC 9636, and should be read in conjunction with ISO/IEC 9636-1 and other parts. The relationship of this part of ISO/IEC 9636 to the other parts of ISO/IEC 9636 is described in ISO/IEC 9636-1 and in clause 4.

The functionality described in this part of ISO/IEC 9636 pertains to all classes of CGI Virtual Device (i.e. INPUT, OUTPUT, and OUTIN).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9636. 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 9636 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 2382-13 : 1984 *Data processing – Vocabulary – Part 13: Computer graphics.*

ISO/IEC 9636-1 : 1991 *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification — Part 1 : Overview, profiles, and conformance.*

ISO/IEC 9636-3 : 1991 *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification — Part 3: Output.*

ISO/IEC 9636-4 : 1991 *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification — Part 4: Segments.*

ISO/IEC 9636-5 : 1991 *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification — Part 5: Input and echoing.*

ISO/IEC 9636-6 : 1991 *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Functional specification — Part 6: Raster.*

ISO/IEC 9637-1 : -¹⁾ *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Data stream binding — Part 1: Character encoding.*

ISO/IEC 9637-2 : -¹⁾ *Information technology — Computer graphics — Interfacing techniques for dialogues with graphical devices (CGI) — Data stream binding — Part 2: Binary encoding.*

ISO/IEC TR 9973 : 1988 *Information processing — Procedures for registration of graphical items.*

1) To be published.