

STANDARD

8651-4

Second edition
1995-06-01

**Information technology — Computer
graphics — Graphical Kernel System (GKS)
language bindings —**

Part 4:
C

*Technologies de l'information — Infographie — Interfaces langage avec
GKS —*

Partie 4: C



Reference number
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Contents

Foreword.....	v
Introduction.....	vi
1 Scope.....	1
2 Normative references.....	2
3 The C language binding.....	3
3.1 Classification and designation.....	3
3.2 Functions versus macros.....	3
3.3 Character strings.....	3
3.4 Function identifiers.....	3
3.5 Registration.....	3
3.6 Identifiers for graphical items.....	4
3.7 Return values.....	4
3.8 Headers.....	4
3.8.1 gks.h	4
3.8.2 gks_compat.h	4
3.9 Memory management.....	5
3.9.1 Functions which return simple lists.....	5
3.9.2 Functions which return complex data structures.....	5
3.10 Error handling.....	7
3.10.1 Application supplied error handlers.....	7
3.10.2 Error codes.....	7
3.10.3 C-specific GKS errors.....	7
3.11 Colour representations and specifications.....	7
3.12 Colour characteristics.....	7
3.13 Storage of multi-dimensional arrays.....	8
3.13.1 Storage of 2*3 matrices.....	8
3.13.2 Storage of conics in 3*3 matrices.....	8
3.13.3 Storage of colour arrays.....	8
3.14 Compatibility with the 1991 edition.....	8
4 Tables.....	9
4.1 Abbreviation policy in construction of identifiers.....	9
4.2 Table of abbreviations used.....	9
4.3 Function names.....	13
4.3.1 List ordered alphabetically by bound name.....	13
4.3.2 List ordered alphabetically by GKS name.....	20
5 Type definitions.....	28
5.1 Mapping of GKS data types.....	28
5.2 Environment-defined type definitions.....	28
5.3 Implementation dependent type definitions.....	29
5.4 Implementation independent type definitions.....	35
6 Macro definitions.....	91
6.1 Function identifiers.....	91
6.1.1 In order of appearance.....	91
6.1.2 In alphabetical order.....	95

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6.2	Error codes	99
6.3	Miscellaneous	104
6.3.1	Linetypes	104
6.3.2	Marker types	104
6.3.3	Hatch styles	104
6.3.4	Colour models	104
6.3.5	Prompt and echo types	105
6.3.6	Default parameter of gopen_gks	105
7	C GKS function interface	106
7.1	Notational conventions	106
7.2	Workstation independent functions	106
7.2.1	Control functions	106
7.2.2	Output functions	108
7.2.3	Design output functions	110
7.2.4	Primitive attribute functions	113
7.2.5	Normalization transformation functions	119
7.2.6	NDC picture functions	120
7.2.7	Metafile functions	121
7.2.8	Picture part store functions	122
7.2.9	Input functions	124
7.2.10	Font and glyph functions	131
7.2.11	Audit and playback functions	131
7.2.12	Inquiry functions	132
7.2.13	Utility functions	145
7.3	Workstation functions	148
7.3.1	Control functions	148
7.3.2	Inquiry functions	155
7.3.3	Retrieval functions	172
7.3.4	Viewing utility functions	173
7.3.5	Colour utility functions	173
7.4	Segment functions and workstation activation functions	173
7.4.1	Segment functions	173
7.4.2	Workstation activation functions	176
7.4.3	Utility functions	176
	Annexes	177
A	Compiled GKS/C specification	177
A.1	Data types in compilation order	177
A.2	Macros	223
A.3	Function calls	231
A.4	Compatibility layer	260
B	Sample programs	271
B.1	STAR	271
B.2	IRON	273
C	Short function identifiers	280
C.1	In order of appearance	280
C.2	In alphabetical order	287
D	Memory management	294
D.1	Introduction	294
D.2	Functions that return simple lists	294
D.2.1	Operation of ginq_list_line_inds	295
D.3	Functions that return structured data	297
D.3.1	Operation of gcreate_store	298

	D.3.2	Operation of ginq_stroke_st and ginq_pat_rep	300
	D.3.3	Operation of gdel_store	304
E		Compatibility with the 1991 edition of ISO/IEC 86514	307
	E.1	Comparison of this edition of ISO/IEC 86514 with the 1991 edition.....	307
		E.1.1 Changes in ISO/IEC 86514 data types.....	307
		E.1.2 Changes in ISO/IEC 86514 functions	308
	E.2	The compatibility layer	309
	E.3	The header gks_compat.h	309
	E.4	Data types in gks_compat.h	309
		E.4.1 Renamed data types	309
		E.4.2 Renamed fields of data types	309
		E.4.3 Obsolete data types.....	310
	E.5	Macros	314
	E.6	Functions in the compatibility layer.....	314
		E.6.1 Replaced functions.....	314
		E.6.2 Obsolete functions	317
F		Function lists.....	324
	F.1	Alphabetic by GKS name.....	324
	F.2	Alphabetic by binding name	331

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 8651-4 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

This second edition cancels and replaces the first edition (ISO/IEC 8651-4:1991), which has been technically revised.

ISO/IEC 8651-4 consists of the following parts, under the general title *Information technology — Computer graphics — Graphical Kernel System (GKS) language bindings*:

- *Part 1: FORTRAN*
- *Part 2: Pascal*
- *Part 3: Ada*
- *Part 4: C*

Annexes A to F of this part of ISO/IEC 8651 are for information only.

Introduction

The Graphical Kernel System (GKS) functional description is registered as ISO/IEC 7942-1:1994. As explained in the Scope and Field of Application of ISO/IEC 7942-1, that International Standard is specified in a language independent manner and needs to be embedded in language dependent layers (language bindings) for use with particular programming languages.

The purpose of this part of ISO/IEC 8651 is to define a standard binding for the C computer programming language.

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ISO/IEC 8651-4:1995(E)

Information technology — Computer graphics — Graphical Kernel System (GKS) language bindings —

Part 4:

C

1 Scope

The Graphical Kernel System (GKS), ISO/IEC 7942-1:1994 , specifies a language independent nucleus of a graphics system. For integration into a programming language, GKS is embedded in a language dependent layer obeying the particular conventions of that language. This part of ISO/IEC 8651 specifies such a language dependent layer for the C language.