INTERNATIONAL STANDARD

ISO/IEC 7942-2

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Information technology — Computer graphics and image processing — Graphical Kernel System (GKS) —

Part 2:
NDC metafile

Technologies de l'information — Infographie et traitement d'image — Système graphique Kernel (GKS) —

Partie 2: Métafichier NDC

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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 JTC1. 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 7942-2 was prepared by Joint Technical Committee ISO/IEC JTC1, Information technology, Subcommittee SC24, *Computer graphics and image processing.*

ISO/IEC 7942 consists of the following parts, under the general title *Information technology – Computer graphics and image processing – Graphical Kernel System (GKS) :*

Part 1: Functional description

Part 2: NDC metafile

Part 3: Audit trail

Part 4: Picture part archive

Annexes A and B form an integral part of this part of ISO/IEC 7942.

Introduction

The NDC metafile provides a file format and encodings suitable for the storage and retrieval of picture information. The file format consists of a set of elements that can be used to describe pictures in a way that is compatible between systems of different architectures and devices of differing capabilities and design. This part of ISO/IEC 7942 extends the provisions of ISO/IEC 8632:1992/Amd.2:1995.

Information technology – Computer graphics and image processing – Graphical Kernel System (GKS) – Part 2: NDC metafile

1 Scope

This part of ISO/IEC 7942 provides a file format and encodings for the storage and retrieval of GKS-94 Normalized Device Coordinate (NDC) pictures. It is an extension of the Computer Graphics Metafile, Version 4 defined by ISO/IEC 8632:1992/Amd.2: 1995 (all parts).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 7942. 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 7942 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 7942-1:1994, *Information technology - Computer graphics and image processing - Graphical Kernel System (GKS) - Part 1: Functional description.*

ISO/IEC 8632:1992/Amd.2:1995, *Information technology - Computer graphics - Metafile for transfer and storage of picture description information* (all parts).