

National Standard of Canada *CAN/CSA-ISO/IEC 7942-1-01* (ISO/IEC 7942-1:1994)

International Standard **ISO/IEC 7942-1:1994 (second edition, 1994-11-01),** has been adopted without modification as CSA Standard **CAN/CSA-ISO/IEC 7942-1-01,** which has been approved as a National Standard of Canada by the Standards Council of Canada. *ISBN 1-55324-389-7 March 2001*

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

Part 1: Functional description

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

Partie 1: Description fonctionnelle



Reference number ISO/IEC 7942-1:1994((E)

The Canadian Standards Association, which operates under the name CSA International

(CSA), under whose auspices this National Standard has been produced, was chartered in 1919 and accredited by the Standards Council of Canada to the National Standards system in 1973. It is a not-for-profit, nonstatutory, voluntary membership association engaged in standards development and certification activities.

CSA standards reflect a national consensus of producers and users — including manufacturers, consumers, retailers, unions and professional organizations, and governmental agencies. The standards are used widely by industry and commerce and often adopted by municipal, provincial, and federal governments in their regulations, particularly in the fields of health, safety, building and construction, and the environment.

Individuals, companies, and associations across Canada indicate their support for CSA's standards development by volunteering their time and skills to CSA Committee work and supporting the Association's objectives through sustaining memberships. The more than 7000 committee volunteers and the 2000 sustaining memberships together form CSA's total membership from which its Directors are chosen. Sustaining memberships represent a major source of income for CSA's standards development activities.

The Association offers certification and testing services in support of and as an extension to its standards development activities. To ensure the integrity of its certification process, the Association regularly and continually audits and inspects products that bear the CSA Mark.

In addition to its head office and laboratory complex in Toronto, CSA has regional branch offices in major centres across Canada and inspection and testing agencies in eight countries. Since 1919, the Association has developed the necessary expertise to meet its corporate mission: CSA is an independent service organization whose mission is to provide an open and effective forum for activities facilitating the exchange of goods and services through the use of standards, certification and related services to meet national and international needs. For further information on CSA services, write to CSA International 178 Rexdale Boulevard Toronto, Ontario, M9W 1R3

Canada



The Standards Council of Canada is the coordinating body of the National Standards system, a federation of independent, autonomous organizations working towards the further development and improvement of voluntary standardization in the national interest.

The principal objects of the Council are to foster and promote voluntary standardization as a means of advancing the national economy, benefiting the health, safety, and welfare of the public, assisting and protecting the consumer, facilitating domestic and international trade, and furthering international cooperation in the field of standards.

A National Standard of Canada is a standard which has been approved by the Standards Council of Canada and one which reflects a reasonable agreement among the views of a number of capable individuals whose collective interests provide to the greatest practicable extent a balance of representation of producers, users, consumers, and others with relevant interests, as may be appropriate to the subject in hand. It normally is a standard which is capable of making a significant and timely contribution to the national interest.

Approval of a standard as a National Standard of Canada indicates that a standard conforms to the criteria and procedures established by the Standards Council of Canada. Approval does not refer to the technical content of the standard; this remains the continuing responsibility of the accredited standards-development organization.

Those who have a need to apply standards are encouraged to use National Standards of Canada whenever practicable. These standards are subject to periodic review; therefore, users are cautioned to obtain the latest edition from the organization preparing the standard.

The responsibility for approving National Standards of Canada rests with the Standards Council of Canada 270 Albert Street, Suite 200 Ottawa, Ontario, K1P 6N7 Canada



Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users to judge its suitability for their particular purpose. Registered trade-mark of Canadian Standards Association

CAN/CSA-ISO/IEC 7942-1-01 Information technology — Computer graphics and image processing — Graphical Kernel System (GKS) — Part 1: Functional description CSA Preface

Standards development within the Information Technology sector is harmonized with international standards development. Through the CSA Technical Committee on Information Technology (TCIT), Canadians serve as the Canadian Advisory Committee (CAC) on ISO/IEC Joint Technical Committee 1 on Information Technology (ISO/IEC JTC1) for the Standards Council of Canada (SCC), the ISO member body for Canada and sponsor of the Canadian National Committee of the IEC. Also, as a member of the International Telecommunication Union (ITU), Canada participates in the International Telegraph and Telephone Consultative Committee (ITU-T).

This International Standard was reviewed by the CSA TCIT under the jurisdiction of the Strategic Steering Committee on Information Technology and deemed acceptable for use in Canada. (A committee membership list is available on request from the CSA Project Manager.) From time to time, ISO/IEC may publish addenda, corrigenda, etc. The CSA TCIT will review these documents for approval and publication. For a listing, refer to the CSA Information Products catalogue or CSA *Info Update* or contact a CSA Sales representative. This Standard has been formally approved, without modification, by these Committees and has been approved as a National Standard of Canada by the Standards Council of Canada.

March 2001

© CSA International — 2001

All rights reserved. No part of this publication may be reproduced in any form whatsoever without the prior permission of the publisher. ISO/IEC material is reprinted with permission. Inquiries regarding this National Standard of Canada should be addressed to CSA International, 178 Rexdale Boulevard, Toronto, Ontario, M9W 1R3.