
**Information technology — Computer
graphics, image processing and
environmental data representation —
Procedures for registration of items**

*Technologies de l'information — Infographie, traitement de l'image
et représentation des données environnementales — Procédures pour
l'enregistrement des articles*

Sample Document

get full document from standards.iteh.ai

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Concepts	2
4.1 Overview	2
4.2 Registration authority	3
4.3 Sponsoring authorities	3
4.4 Items	4
4.5 Sections	4
4.6 Registration process	4
4.7 Proposal guidelines and forms	4
4.8 New or revised International Standards	4
5 International Register of Items	5
5.1 Availability of the International Register of Items	5
5.2 Responsibilities of the registration authority	5
5.3 Recipients of activity notices	7
5.4 Addition of classes	7
5.5 Addition of items	7
5.6 Modification/clarification	7
5.7 Conversion of registered items to standardized items	8
5.8 Deprecation	8
Annex A (normative) Information needed to submit proposals	9
Annex B (informative) Example forms for proposals to register items	10
Annex C (informative) Language binding guidelines	24
Annex D (informative) Encoding guidelines	26
Bibliography	29

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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 document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 9973 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics, image processing and environmental data representation*.

This third edition cancels and replaces the second edition (ISO/IEC 9973:2006), which has been technically revised.

Sample Document

get full document from standards.iteh.ai

Introduction

This International Standard provides a set of procedures for managing the International Register of Items. In this context, items are members of classes defined within the standards developed by ISO/IEC JTC 1/SC 24 that may be registered. The set of procedures specified in this International Standard is equally applicable to any standard that includes a provision for registering items in the International Register of Items.

Standards that wish to use the International Register of Items may have certain classes of items in common that are allowed to vary across implementations of those standards. There is a strong incentive for implementations using the same registered items to reference them in the same way. Each such standard has the potential to provide for registration of items of certain classes and expressly identifies those classes of items that may be registered. When such a standard is published, those classes of items identified for registration are automatically added to the International Register of Items.

The procedures in this International Standard are used in preparing, maintaining, and publishing the International Register of Items. The register includes current classes of items from relevant International Standards whose content can be extended through registration. The classes of items are listed within the register and therefore maintained separately from this International Standard. The register also serves as a means to inform all concerned of items already registered and of the specific identifiers assigned to them. Registration provides identification for an item but should not be regarded as a standardization procedure.

[Annex A](#) identifies the information needed in submitting item proposals. [Annex B](#) contains example proposal forms. [Annex C](#) contains language binding guidelines for submission of registration proposals. [Annex D](#) contains encoding guidelines for submission of registration proposals.

Sample Document

get full document from standards.iteh.ai

Sample Document

get full document from standards.iteh.ai

Information technology — Computer graphics, image processing and environmental data representation — Procedures for registration of items

1 Scope

This International Standard specifies procedures to be followed in preparing, maintaining and publishing the International Register of Items for any standard whose classes of items are applicable to this register. The items that may be registered fall into several broad categories including:

- computer graphics concepts,
- data structures used by relevant standards,
- spatial and environmental concepts, and
- profiles of relevant standards.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

None.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

approval body

organization that approves or rejects proposals

3.2

clarification

non-substantive change to a *registered item*

3.3

class

set of *items* with common properties or that are common in application to a relevant International Standard

3.4

deprecated item

items that have been approved for removal because they were found to be obsolete or in error

Note 1 to entry: Deprecated items are retained in the register, but marked as “deprecated”.

3.5

Generalized Drawing Primitive

GDP

primitive required for graphical item registration

3.6

International Register of Items

the set of *classes* and their corresponding *items* that are covered by this International Standard

3.7

item

a member of a *class* covered by this International Standard

3.8

notification recipients

member bodies of relevant ISO and IEC committees and/or subcommittees, relevant Category A, B and C liaisons, and relevant *sponsoring authorities*

3.9

register identifier

an identifier assigned by the *registration authority* that uniquely identifies an *item* within the scope of a single *class*

3.10

registered item

an *item* approved for inclusion in the *International Register of Items* using the procedures specified in this International Standard

3.11

registration

assignment of a permanent, unique and unambiguous identifier to an *item* with its related descriptive information and placement in the *International Register of Items*

3.12

registration authority

organization to which management of a register has been designated by the ISO Technical Management Board

3.13

section

a group of one or more related *classes*

3.14

sponsoring authority

organization that is authorized to submit *registration* proposals

3.15

standardized item

item specified by the International Standard that defines the *class* to which the *item* has been associated

4 Concepts

4.1 Overview

Standards that include registration provisions, as specified by this International Standard, are supported by the International Register of Items. The International Register of Items provides the following features:

- a register of identifiers and meanings that may be shared between related standards,
- new instances of concepts in the related standards to be specified by registration, and
- a repository where both standardized and registered items may be browsed or searched.

This International Standard specifies procedures that manage the International Register of Items, which is organized into sections. The International Register of Items is maintained by the registration

authority. Proposals related to the International Register of Items are submitted by sponsoring authorities, processed by the registration authority and approved by the relevant approval body.

4.2 Registration authority

4.2.1 Appointment of a registration authority

The registration authority for this International Standard is established in accordance with ISO/IEC Directives, Part 1, Annex H and is approved by the ISO Technical Management Board as part of a ten-year agreement to maintain the International Register of Items. Contact information for registration authorities of International Standards including this one are maintained and available at

http://www.iso.org/iso/standards_development/maintenance_agencies.htm.

4.2.2 Overview of registration authority responsibilities

The registration authority shall maintain the International Register of Items. Upon request, the registration authority shall distribute information including a description of the International Register of Items and how to submit proposals. Additional information on the responsibilities of the registration authority is provided in [Clause 5](#) and [Figure 1](#).

4.3 Sponsoring authorities

4.3.1 Authorized sponsoring authorities

Proposals for changing the content of the register may be made by the following organizations that are authorized to be sponsoring authorities for the purposes of this International Standard:

- a) any ISO or IEC Technical Committee or Subcommittee;
- b) any P-member or O-member of ISO/IEC JTC 1 or its subcommittees;
- c) any international organization having Category A, B, or C liaison status with ISO/IEC JTC 1 or its subcommittees.

4.3.2 Responsibilities of sponsoring authorities

The responsibilities of sponsoring authorities shall be as follows:

- a) to receive proposals from within their respective countries or organizations;
- b) to coordinate proposals within their respective countries or organizations, as necessary;
- c) to ensure that all proposals are complete and conform to the requirements for the class of an item;
- d) to ensure, if a language binding and/or encoding is required, at least one language binding and/or data encoding shall be included;
- e) to forward to the registration authority proposals that are ready to be submitted;
- f) to respond to questions and coordinate changes derived from comments received from the registration authority; and
- g) to disseminate the decisions taken on proposals to their respective countries or organizations.