INTERNATIONAL STANDARD

**ISO/IEC 13522-4**

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# Information technology — Coding of multimedia and hypermedia information —

## Part 4:
MHEG registration procedure

*Technologies de l'information — Représentation codée d'informations multimédia et hypermédia —*

*Partie 4: Procédure d'enregistrement MHEG*

Reference number
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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 and 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 13522-4 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

ISO/IEC 13522 consists of the following parts, under the general title: *Information technology – Coding of multimedia and hypermedia information*:

- *Part 1: MHEG object representation – Base notation (ASN.1)*
- *Part 3: MHEG script interchange representation*
- *Part 4: MHEG registration pocedure*
- *Part 5: MHEG support for base-level interactive application*
- *Part 6: MHEG-6 support for enhanced interactive application*

Annexes A, B and C form an integral part of this part of ISO/IEC 13522



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# Information technology — Coding of multimedia and hypermedia information — Part 4: MHEG registration procedure

## 1 Scope

This part of ISO/IEC 13522 specifies the procedure to be followed by a Registration Authority in preparing, maintaining and publishing a register of names (identifiers) allocated to MHEG Registered Objects.

NOTE — The term "object" is used generically in a standard English manner and refers to any type of entity or element contained in the ISO/IEC 13522 suite of standards.

The registered object identifiers to which this part of ISO/IEC 13522 refers are those used in ISO/IEC 13522-1.

An object registered in accordance with this part of ISO/IEC 13522 has an unambiguous identifier associated with it in the register. Apart from such identification, registration does not affect the status of the standard concerned. Thus, the registration procedure must be clearly distinguished from the standardisation process.

An MHEG Registered Object is a data type or other MHEG entity that can be referenced by an MHEG system through the unique identifier assigned to it by the Registration Authority.

## 2 Normative Reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 13522. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 13522 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 13522-1:1996, *Information technology - Coding of multimedia and hypermedia information – Part 1: MHEG object representation – Base notation (ASN.1).*

## 3 Registration Authority

**3.1** The Registration Authority shall be an organisation nominated by the ISO/IEC joint technical committee concerned with Coding of Multimedia and Hypermedia information, and appointed by the ISO/IEC Councils to act as the Registration Authority for the purpose of ISO/IEC 13522.

NOTE — The Registration Authority for MHEG is the French National Standards body, AFNOR, Association Francoise Normalisation.

**3.2** The Registration Authority shall maintain a register of the allocated identifiers. The content of this register shall be available upon request to National Bodies that are members of ISO or IEC, to liaison organizations of ISO or IEC and to any interested party.

**3.3** The Registration Authority shall maintain an updated list of the MHEG Registered Object recorded in the International Register. New registrations and any other pertinent communication concerning the register shall be sent to all Applicants. The Registration Authority may request from time to time that Applicants confirm their continuing interest in receiving new registrations and drop from the list those having not confirmed such interest.

**3.4** The registration documents do not specify the rules in accordance with which a MHEG Registered Object must be used. The documents, for example standards, specifying such rules shall be mentioned in the registration documents.

## 4 Registration Procedure

With regard to the initial assignment of identifiers and of subsequent addition to the register, responsibility of the Registration Authority shall be:

a) to receive from Applicants (see clause 9) applications for allocation of an identifier to be assigned to a MHEG Registered Object;

b) to ascertain that the applications received are formally in accordance with this part of ISO/IEC 13522 and technically in accordance with 13522-1; each application shall include a publicly available complete description of the MHEG Registered Object to be identified;



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c) where required, to indicate to the Applicant the non technical changes needed to meet requirements of (b) above within 30 days of receipt of the application;

d) to transmit, as soon as possible within 30 days, the proposal to the SC 29 WG 12 convenor who will appoint three members of the WG to review the technical features of the proposal within 30 days;

e) the review panel will accept or reject the application proposal and inform the Registration Authority of its decision with reason given for rejection. The Registration Authority will notify the applicant of the decision. If the application for registration is denied, the Registration Authority will inform the applicant of the reason for denial and the appeal procedure as provided in clause 8;

f) to assign the identifier;

g) to promulgate to all the national bodies and liaison organizations of ISO and IEC the meaning that has been assigned to each identifier.

**4.1** It is the responsibility of the Applicant to provide information to the Registration Authority about the proposed object according to the following scheme:

- name of applicant
- address of applicant
- if applicant is an organisation, the name, title, postal/electronic mail address, telephone/ facsimile/telex number of a contact person within the organisation
- a technical description of the object to be registered
- the classification, and category (the name domain) in which the object is to be registered
- indication of information that is updatable
- date of last update
- the syntax associated with the implementation of the entity
- the semantics of the entity.

Two sample forms for: 1. Registration Application and 2. Request for Update are shown in Annexes A and B.

**4.2** The naming domain used by the Applicant in its submission and by the RA for its classification purpose is as follows:

| Description | Example |
|---|---|
| Entity Category | Content Encoding |
| Entity Name | ISO 13818-2 |
| Entity Number Sequence | 2 |

NOTE — Registerable entity categories (MHEG Registered Objects) in 15.1 of ISO/IEC 13522-1.

## 5 Withdrawal Procedure

**5.1** Withdrawal is a formal declaration by which the Applicant informs the Registration Authority that it withdraws its support of the MHEG Registered Object.

**5.2** Such a declaration may, but need not, be accompanied by a statement with the reasons for the withdrawal.

**5.3** The Registration Authority shall inform the interested parties of the reception of such declaration.

**5.4** Withdrawals have no effect on the MHEG Registered Object which shall remain in the register and continue to be identified by the allocated identifier.

**5.5** Names assigned by the Registration Authority for objects withdrawn will not be reused.

## 6 Correction Procedure

**6.1** Entry errors, for example typographical errors, shall be corrected by the Registration Authority as soon as detected.

**6.2** Corrected and dated pages of the register shall be issued.

## 7 Revision Procedure

**7.1** In general, no changes to registrations are permitted as this would be contrary to the principles on which the registration scheme is based.

**7.2** The Registration Authority may exceptionally grant a waiver to international, governmental organisations issuing internationally recognized and worldwide implemented standards. However, the possibility of a registration may be modified in future without allocation of a new identifier but shall be mentioned in the first application papers and in the register.

## 8 Appeal Procedure

Appeal against decisions of the Registration Authority can be made as follows:

**8.1** Appeal by an Applicant can be made if it disagrees with the Registration Authority on whether the application meets the requirements of clause 4, item (b) or (e)

**8.2** Appeal shall be filed with the Registration Authority by registered mail

- within 30 days of reception of the refusal of the Registration Authority;



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**8.3** Appeals shall be submitted by the Registration Authority within 30 days after reception to the members of the Advisory Group (see Annex C). If the matter cannot be resolved by the Advisory Group, the appeal shall be submitted to the P-members of the WG 12 for vote according to the voting rules of the Directives for the work of ISO/IEC JTC 1.

## 9 Applicants

**9.1** Applications for the allocation of an identifier may be made by the following, which for the purposes of this part of ISO/IEC 13522 are Applicants:

a) any ISO or IEC technical committee or sub-committee;

b) any group within the ISO/IEC JTC 1 sub-committee concerned with Coding of Multimedia and Hypermedia Information, appointed by the subcommittee;

c) any national body that is a member of ISO or IEC;

d) any international organisation having an A-liaison with an ISO or IEC technical committee or subcommittees.

NOTE — This part of the ISO/IEC 13522 requires only that an application for registration meets the requirements of clause 4, item (b). But the Applicant is free to specify additional requirements to be met in order to receive its support.



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# Annex A
(normative)
# Layout of Registration Submission Form

**Sponsoring Organisation**

Organisation Name:
Postal address:
Telephone:
Telefax:
E-Mail:

Authorized representative:
Name, title:
Department:
Telephone:
Telefax:
E-Mail:
Signature:

**Type of entity submitted for registration**

Entity category as given in ISO/IEC 13522-1.

Proposed name of the entity, according to the domain name structure as defined in clause 4:

Example:
Entity category ...: extended attribute
Proposed name of entity ...:fontsize

**Short description of the submitted entity**

(e.g. main purpose or intended effect.)
Example:
Specification of character size for text contents.

**Syntactic specification of submitted entity, according to the entity category**

Contained elements (e.g. values, parameter, content data):

For any component or element contained in the entity, this shall specify all characteristics necessary for unambiguous interpretation (at least: name, type, valid data values, defaults).

Identification of updatable information (what is open to later changes):

Error conditions and proposed handling:

Example:
Contained elements:

fontsize, INTEGER, [0..255], 0

Updatable information: valid data range (could possibly be increased)

Error handling:
values outside of valid range: ignore
set for objects other than content objects containing/referencing text data: ignore

**Full description of semantics and behaviour of the submitted entity** (natural language)

(e.g. how to be interpreted, possible side effects, work arounds if it cannot be supported.)

Example:
The attribute 'fontsize', which can be set and retrieved by the elementary actions:

- SetCataloguedAttribute
- GetCataloguedAttribute, respectively,

allows for controlling the presentation of textual content with respect to character size. The units in which its value is to be interpreted are points.

The value 0 means that it is up to the MHEG engine (or presentation tools) which fontsize is to be used for rendering the text content. Note that this is also the default behaviour as long as this attribute is not set explicitly.

If the requested fontsize cannot be supported, it shall be replaced by the closest available one. If the application of the requested fontsize value results in a rendering of the associated text content, which does not fit into the Original Presentation Space (OPS) of the rt-content object, it shall be rendered into the OPS in the usual way until available space is exhausted; in other words, clipping shall be applied to trailing parts of the text.

**Constraints for application**

(e.g. under which conditions to be applied or ignored.)

Example:
This attribute shall be applied only to rt-content objects containing/referencing textual data. Otherwise, it should be ignored.

**Any other comments**

**Date of last update**

**Submission date**



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# Annex B
(normative)

## Layout of Update Submission Form

**Sponsoring Organisation**

Organisation Name:
Postal address:
Telephone:
Telefax:
E-Mail:

Authorized representative:
Name, title:
Department:
Telephone:
Telefax:
E-Mail:
Signature:

Entity to be Updated:

Entity Category:

Entity Name (as given by Registration Authority):

Entity Number (as given by Registration Authority):

Short Description of Proposed Update:

Syntactic Description of Proposed Update:

Full Description of Proposed Update:



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# Annex C
(normative)

## Advisory Group of the Registration Authority (AG)

**C.1** The subcommittee concerned with MHEG Registered Objects shall set up an Advisory Group (AG) of the Registration Authority of four members.

**C.2** The AG shall consist of a representative of the Registration Authority and three other members elected by the P-members of the sub-committee. They shall be elected or re-elected at each plenary meeting of the subcommittee.

**C.3** The task of the AG will be as follows:

a) to assist the Registration Authority, if needed, to assess whether the documentation required by clause 4, item (b), is complete;

b) to consider appeals received by the Registration Authority;

c) to act as mediator between the Registration Authority and appealing parties;

d) if three quarters of the members of the AG consider the appeal justified, the Registration Authority shall yield;

e) when required, to edit the documents to be submitted to a vote in accordance with 8.3.



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