



NEW WORK ITEM PROPOSAL

Proposer Larry A. Fitzwater	Date of proposal 1999-05-27
TC/SC SC32	Secretariat ISO/IEC JTC1 SC 32 WG2
Date of circulation	Closing date for voting

A proposal for a new work item within the scope of an existing technical committee or subcommittee shall be submitted to the Central Office. The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information. The proposer may be a National Committee of the IEC, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Committee of Action or one of the advisory committees, or the General Secretary. Guidelines for proposing and justifying a new work item are given in ISO/IEC Directives, Part 1, Annex Q (see extract overleaf). **This form is not to be used for amendments or revisions to existing publications.**

The proposal (to be completed by the proposer)

Title of proposal

Technical Report:

Procedures for Achieving Content Consistency in ISO/IEC 11179 Metadata Registries.

Standard

Technical Report

Scope (as defined in ISO/IEC Directives, Part 3, 6.2.1)

This technical report describes how to enter metadata into ISO/IEC 11179 Metadata Registries with particular attention given to achieving content consistency within and between registries. It focuses upon the need to establish procedures and contains suggested procedures. It also provides "cook book" examples of using the procedures to register various types of metadata in an ISO/IEC 11179 metadata registry.

Purpose and justification, including the market relevance and relationship to Safety (Guide 104), EMC (Guide 107), Environmental aspects (Guide 109) and Quality assurance (Guide 102) . (attach a separate page as annex, if necessary)

Specific aims:

International Standard ISO/IEC 11179, *Information technology — Specification and standardization of data elements*, parts one to six, developed by ISO/IEC JTC1/SC 32 Data Management and Interchange, sets forth specifications for the attribution, classification, definition, naming, identification, and registration (in a metadata registry) of data.

This technical report is intended to answer the question, "How do I get started in the practical matter of entering metadata into a metadata registry?" In addition, implementers of ISO/IEC 11179 metadata registries have expressed a need for procedures to help guide the metadata registry community toward content consistency that will facilitate exchange of metadata between registries. This technical report, based on practical experience, will provide procedures and examples for the registration of metadata in a metadata registry.

Main interest:

This standard will further expand upon ISO/IEC 11179, so that sharing of data and/or metadata between registries will be enabled by consistency of registration procedures across registries. Registration of various levels of metadata from abstract or generalized to application or specialized data needs to be analyzed and explained.

All areas of business that need to store and disseminate information about information will benefit.

Feasibility:

This is a technical report pertaining to procedures and guidelines for registration of metadata in a metadata registry as specified in ISO/IEC 11179. Feasibility from a technical perspective is not an issue . This report is only intended as an informative aid to the use of metadata registries and provides no direct specifications or requirements.

Timeliness:

Many organizations are currently constructing metadata registries based upon ISO/IEC 11179. There is an

registration.

Urgency:

Without this technical report, startup will be harder for new implementers and the various registries may diverge in terms of how metadata is entered. Interoperability could be progressively disabled and some of the purposes for which metadata registries are intended will remain unachievable.

Benefits:

This technical report will promote interoperability and consistency among and between metadata registries. Sharing of data is dependent upon the ability to share metadata.

Existing regulations:

Not applicable.

Other:

A draft proposal for this technical report is attached.

Note: This proposed new work item is based on several years of research and the experience of practioners. Many members of JTC 1/SC 32/WG 2 have recognized the need for this work item as a separate technical report to accompany and amplify ISO/IEC 11179.

Target date	for first CD .(ballot) February 2000	for ISDecember 2001.....
Estimated number of meetings 4	Frequency of meetings 2 per year	Date and place of first meeting: January 2000.....
Proposed working methods	<input checked="" type="checkbox"/> E-mail	<input checked="" type="checkbox"/> ftp

Relevant documents to be considered

ISO/IEC 11179

Relationship of project to activities of other international bodies

Liaison organizations

Need for coordination within ISO or IEC

Coordination within SC 32 will be required in order to stay in alignment with the national and international standards.

Preparatory work

Check one of the two following boxes

A draft is attached for vote comment

An outline is attached

We nominate a project leader as follows in accordance with ISO/IEC Directives, Part 1, 2.3.4 (name, address, fax and e-mail):

Larry A. Fitzwater
401 "M" Street SW (3408)
Washington, DC 20460
202-260-3071
202-401-8390 Fax
fitzwater.larry@epa.gov

Concerns known patented items (see ISO/IEC Directives, Part 2)

yes

no

If yes, provide full information as an annex

Name and signature of the proposer

Larry A. Fitzwater

Comments with respect to the proposal in general, and recommendations thereon		
1) Work allocation	<input type="checkbox"/> New working group	<input type="checkbox"/> Existing working group no:
<input type="checkbox"/> Project team		
2) Draft suitable for direct submission as	<input type="checkbox"/> CDV	
<input type="checkbox"/> CD		
3) General quality of the draft (conformance with ISO/IEC Directives, Part 3)	<input type="checkbox"/> Substantial redrafting needed	<input type="checkbox"/> no draft (outline only)
<input type="checkbox"/> Little redrafting needed		
4) Relationship with other activities		
In IEC		
In other organizations		
Other remarks		

Elements to be clarified when proposing a new work item

Title

Indicate the subject matter of the proposed new standard.

Indicate whether it is intended to prepare a standard, a technical report or an amendment to an existing standard.

Scope

Give a clear indication of the coverage of the proposed new work item and, if necessary for clarity, exclusions.

Indicate whether the subject proposed relates to one or more of the fields of safety, EMC, the environment or quality assurance.

Purpose and justification

Give details based on a critical study of the following elements wherever practicable.

- a) The specific aims and reason for the standardization activity, with particular emphasis on the aspects of standardization to be covered, the problems it is expected to solve or the difficulties it is intended to overcome.
- b) The main interests that might benefit from or be affected by the activity, such as industry, consumers, trade, governments, distributors.
- c) Feasibility of the activity: Are there factors that could hinder the successful establishment or general application of the standard?
- d) Timeliness of the standard to be produced: Is the technology reasonably stabilized? If not, how much time is likely to be available before advances in technology may render the proposed standard outdated? Is the proposed standard required as a basis for the future development of the technology in question?
- e) Urgency of the activity, considering the needs of the market (industry, consumers, trade, governments etc.) as well as other fields or organizations. Indicate target date and, when a series of standards is proposed, suggest priorities.
- f) The benefits to be gained by the implementation of the proposed standard; alternatively, the loss or disadvantage(s) if no standard is established within a reasonable time. Data such as product volume or value of trade should be included and quantified.
- g) If the standardization activity is, or is likely to be, the subject of regulations or to require the harmonization of existing regulations, this should be indicated.

If a series of new work items is proposed, the purpose and justification of which is common, a common proposal may be drafted including all elements to be clarified and enumerating the titles and scopes of each individual item.

Relevant documents

List any known relevant documents (such as standards and regulations), regardless of their source. When the proposer considers that an existing well-established document may be acceptable as a standard (with or without amendments), indicate this with appropriate justification and attach a copy to the proposal.

Cooperation and liaison

List relevant organizations or bodies with which cooperation and liaison should exist.

Preparatory work

Indicate the name of the project leader nominated by the proposer.