

**ISO/IEC JTC 1 N 9523**  
**ISO/IEC JTC 1**  
**Information Technology**

2009-02-18

**Document Type:** Proposed NP

**Document Title:** SC 7 New Work Item Proposal - Revision of ISO/IEC TR 24774, System and software engineering – Life cycle management – Guidelines for process description.

**Document Source:** SC 7 Secretariat

**Reference:**

**Document Status:** This document is circulated to JTC 1 National Bodies for concurrent review. If the JTC 1 Secretariat receives no objections to this proposal by the due date indicated, we will so inform the SC 7 Secretariat.

**Action ID:** ACT

**Due Date:** 2009-05-18

**No. of Pages:** 7

## ISO/IEC JTC1/SC7 N4235

2009-02-17

|                      |  |
|----------------------|--|
| <b>Document Type</b> | <b>NWIP</b>  |
| <b>Title</b>         | NWIP for the revision of ISO/IEC TR 24774, System and software engineering – Life cycle management - Guidelines for process description. |
| <b>Source</b>        | WG7  |
| <b>Project</b>       | <b>24774</b>   |
| <b>Status</b>        | NWIP   |
| <b>References</b>    | Resolution 1075, N4234   |
| <b>Action ID</b>     | ACT  |
| <b>Due Date</b>      | 2009-05-19   |
| <b>Start Date</b>    | 2009-02-19   |
| <b>Distribution</b>  | SC7 AG   |
| <b>Medium</b>        | PDF  |
| <b>No. of Pages</b>  | 5  |
| <b>Note</b>          | <u>Please vote using the ISO Electronic Balloting Facilities (Resolution 937)</u>  |

Address reply to: ISO/IEC JTC1/SC7 Secretariat  
École de technologie supérieure – Département of Software and IT Engineering  
1100 Notre Dame Ouest, Montréal, Québec Canada H3C 1K3  
[secretariat@jtc1-sc7.org](mailto:secretariat@jtc1-sc7.org)

[www.jtc1-sc7.org](http://www.jtc1-sc7.org)

**PROPOSAL FOR A NEW WORK ITEM**

|   |   |
|---|---|
| Date of presentation of proposal:<br>2009-02-02 | Proposer:<br>ISO/IEC JTC1 SC7/WG7                       |
| Secretariat:<br>Canada                          | <b>ISO/IEC JTC 1 N</b><br><br>ISO/IEC JTC 1/SC 7 N 4235 |

A **proposal for a new work item** shall be submitted to the secretariat of the ISO/IEC joint technical committee concerned with a copy to the ISO Central Secretariat.

**Presentation of the proposal** - to be completed by the proposer.

**Title** (subject to be covered and type of standard, e.g. terminology, method of test, performance requirements, etc.) Specification of Data Value Domain

**System and software engineering – Life cycle management - Guidelines for process description**

**Scope** (and field of application)

The purpose of revising this document is to extend the characterizat-ion of attributes of process description given in 24774:2007. This will further encourage consistency between, and ease the development of, process reference models. The concept of a process view will be introduced.

The audience intended for this document are the editors, working group members, reviewers and other participants in the development of process standards and technical reports. The document contains guidelines of use to all those developing process models. It is intended that users will select the process description attributes suitable for their project from those described in this document. It is further intended, that having selected the appropriate attributes, users will apply them in a manner consistent with the guidance provided by this document.

This document is to prepared with the the goal of qualifying for free availability under criterion (5) of the Sendai resolution and, secondarily, criteria (6) and (8). The document explains the relationships among existing SC7 standards regarding processes (criterion 5). In addition, it provides architectural and taxonomical guidance to SC7 standards developers (criterion 6), as well as certain basic concepts shared among SC7 process standards (criterion 8).

**Purpose and justification –**

A number of the standards and technical reports from ISO, IEC and other sources describe processes in different manners. The purpose of this document is to encourage uniformity in the description of processes.

It is necessary to maintain common characterization of all of these forms of process description so that future standards, revisions of current standards and other process definitions can select the appropriate forms of process description and apply them in a consistent fashion.

Information item and process view have matured sufficiently to be included on the Guidelines.

In order to encourage consistency of process models and concepts related to process modelling the document should be freely available.

**Programme of work**

If the proposed new work item is approved, which of the following document(s) is (are) expected to be developed?

- ☐ a single International Standard
- ☐ more than one International Standard (expected number: ..... )
- ☐ a multi-part International Standard consisting of ..... parts
- ☐ an amendment or amendments to the following International Standard(s) .....
- ☒ a technical report , type ..3.....

And which standard development track is recommended for the approved new work item?

- ☒ a. Default Timeframe
- ☐ b. Accelerated Timeframe
- ☐ c. Extended Timeframe

**Relevant documents to be considered** ISO/IEC 24774:2007, ISO/IEC 15288:2008, ISO/IEC 42010

**Co-operation and liaison**

**Preparatory work offered with target date(s)** a PDTR text is attached

**Signature:**

Will the service of a maintenance agency or registration authority be required .....no.....

- If yes, have you identified a potential candidate? .....

- If yes, indicate name .....

Are there any known requirements for coding? .....no.....

-If yes, please specify on a separate page

Does the proposed standard concern known patented items? .....no.....

- If yes, please provide full information in an annex

**Comments and recommendations of the JTC 1 or SC7 Secretariat** - attach a separate page as an annex, if necessary

**Comments with respect to the proposal in general, and recommendations thereon:**

It is proposed to assign this new item to JTC 1/SC 7/WG 7

**Voting on the proposal** - Each P-member of the ISO/IEC joint technical committee has an obligation to vote within the time limits laid down (normally three months after the date of circulation).

|   |   |  |
|---|---|--|
| <b>Date of circulation:</b><br>2009-12-19 | <b>Closing date for voting:</b><br>2009-12-19 | <b>Signature of Secretary:</b><br>W. Suryn |
|---|---|--|

|   |   |   |
|---|---|---|
| <b>NEW WORK ITEM PROPOSAL - PROJECT ACCEPTANCE CRITERIA</b> |   |   |
| <b>Criterion</b>  | <b>Validity</b>   | <b>Explanation</b>  |
| <b>A. Business Requirement</b>                              |   |   |
| A.1 Market Requirement                                      | Essential ____<br>Desirable <u>X</u> ____<br>Supportive ____                      | Consistency in the description and presentation of processes will benefit all process modellers and users. In particular it would support the comparison and integration of process models. |
| A.2 Regulatory Context                                      | Essential ____<br>Desirable ____<br>Supportive ____<br>Not Relevant <u>X</u> ____ |   |
| <b>B. Related Work</b>                                      |   |   |
| B.1 Completion/Maintenance of current standards             | Yes <u>X</u> ____<br>No ____  | The revision of ISO/IEC 12207 and 15288 will be carried out at the same time as development of this report. Any new knowledge developed in that work will be used in this report.           |
| B.2 Commitment to other organisation                        | Yes ____<br>No <u>X</u> ____  |   |
| B.3 Other Source of standards                               | Yes <u>X</u> ____<br>No ____  | One purpose for production of these guidelines as an ISO TR is to make them available to other standards organisations.   |
| <b>C. Technical Status</b>                                  |   |   |
| C.1 Mature Technology                                       | Yes <u>X</u> ____<br>No ____  | Many process models have now been produced.   |
| C.2 Prospective Technology                                  | Yes ____<br>No ____   |   |
| C.3 Models/Tools  | Yes ____<br>No ____   |   |

|  |                    |  |
|--|--------------------|--|
| <b>D. Conformity Assessment and Interoperability</b> |                    |  |
| D.1 Conformity Assessment                            | Yes ____<br>No_X__ |  |
| D.2 Interoperability                                 | Yes ____<br>No_X__ |  |
| <b>E. Cultural and Linguistic Adaptability</b>       | Yes____<br>No_X__  |  |
| <b>F. Other Justification</b>                        |                    |  |

---

**Notes to Proforma**

**A. Business Relevance.** That which identifies market place relevance in terms of what problem is being solved and or need being addressed.

A.1 Market Requirement. When submitting a NP, the proposer shall identify the nature of the Market Requirement, assessing the extent to which it is essential, desirable or merely supportive of some other project.

A.2 Technical Regulation. If a Regulatory requirement is deemed to exist - e.g. for an area of public concern e.g. Information Security, Data protection, potentially leading to regulatory/public interest action based on the use of this voluntary international standard - the proposer shall identify this here.

**B. Related Work.** Aspects of the relationship of this NP to other areas of standardisation work shall be identified in this section.

B.1 Competition/Maintenance. If this NP is concerned with completing or maintaining existing standards, those concerned shall be identified here.

B.2 External Commitment. Groups, bodies, or fora external to JTC 1 to which a commitment has been made by JTC for Co-operation and or collaboration on this NP shall be identified here.

B.3 External Std/Specification. If other activities creating standards or specifications in this topic area are known to exist or be planned, and which might be available to JTC 1 as PAS, they shall be identified here.

**C. Technical Status.** The proposer shall indicate here an assessment of the extent to which the proposed standard is supported by current technology.

C.1 Mature Technology. Indicate here the extent to which the technology is reasonably stable and ripe for standardisation.

C.2 Prospective Technology. If the NP is anticipatory in nature based on expected or forecasted need, this shall be indicated here.

C.3 Models/Tools. If the NP relates to the creation of supportive reference models or tools, this shall be indicated here.

**D. Conformity Assessment and Interoperability**

D.1 Indicate here if Conformity Assessment is relevant to your project. If so, indicate how it is addressed in your project plan.

D.2 Indicate here if Interoperability is relevant to your project. If so, indicate how it is addressed in your project plan

**E. Cultural and Linguistic Adaptability** Indicate here if cultural and linguistic adaptability is applicable to your project. If so, indicate how it is addressed in your project plan.

**F. Other Justification** Any other aspects of background information justifying this NP shall be indicated here