

#### ISO/IEC JTC1/SC7 Software Engineering Secretariat: CANADA (SCC)

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# RESOLUTIONS ISO/IEC JTC 1/SC7--SOFTWARE ENGINEERING

Johannesburg, South Africa, May 25-29, 1998

NOTE: ALL RESOLUTIONS HAVE BEEN ADOPTED UNANIMOUSLY UNLESS OTHERWISE NOTED.

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# **ORGANISATION**

# **Appointment of Convenors**

512	JTC1/SC7 re-appoints Mr. Alec Dorling, Mr. David Kiang, and Mr. Raghu Singh, as Convenor of WG10, WG9, and WG7 respectively.
513	JTC1/SC7 appoints Jim Moore as co-convenor of the SWG1 (Business Planning Group).

# **Appointment of Project Editors**

514	JTC1/SC7 appoints the following project editors:  Dr. J. Garbajosa (Spain) - co-editor of project 07.42, Software Engineering Environment Services Dr. D. Lee (Korea) - co-editor of project 07.42, Software Engineering Environment Services Mr. George Jackelen (USA) - editor of project 07.27.02, Software Project Management Dr. Kahled El Emam (Canada) - co-editor of project 07.41, Software Measurement Process Mr. David Card (USA) - co-editor of project 07.41, Software Measurement Process Mr. Perry DeWeese (USA) - editor of project 07.21, Software Life Cycle Processes Mr. Chris Vermaak (South Africa) - co-editor of project 07.13.01.02, External Metrics
515	Consequent with the withdrawal of US national body support for project editorship of Project 07.03.39, Process Information Products (Documentation), JTC1/SC7 recommends that the Japan national body be requested to seek an alternative project editor to be nominated before the WG 2 interim meeting in October 1998. If an alternative project editor is found, WG 2 requests that the project plan (WG 2 N250) be amended and the schedule be changed based on a start date of 1998-11-01.

# **WORK PROGRAM**

## **Work Items**

516	JTC1/SC7 authorises its WG10 to develop Project Requirements and Schedule for the revision of TR15504 (Software Process Assessment). The intent is to evolve the TR into an IS, seeking in the process as wide a representation as possible with the user community of TR 15504. Further, JTC1/SC7 instructs WG10 to liaise with WG7 and WG13 for this work.	
517	JTC1/SC7 approves an extension of the Study Period on Mapping Modeling Languages for Analysis & Design Models until November 1, 1998.	

JTC1/SC 7 instructs its Secretariat to circulate the "Project Requirements for the revision of 12207" for a 60 day letter ballot (N1940). The requirements will be segregated in two categories: those for the proposed amendment and those for the proposed revision. Conditional to the successful completion of this ballot, SC7 instructs its WG7 to prepare an Amendment to ISO/IEC 12207 based on the amendment section of the Project Requirements.

Scope of the update:

- Minor update through the amendment mechanism
- Available in 2000
- Consideration of the addition of specific processes
- Addition of process definitions and process outcomes

JTC1/SC 7 instructs its WG7 to liaise with WG10.

#### **Working Groups**

JTC1/SC7 instructs its Secretariat to establish an Ad-hoc Working Group for the purpose of submitting comments to ISO TC176/SC2 on ISO 9001 and ISO 9004. JTC1/SC7 appoints Victoria Hailey as the convener of the Ad-hoc Working Group, with the following members:

Shigenobu Kato Japan Francoise Kandl France Victoria Hailey Canada Haya Sheps-Avtalion Israel Vipula Godamunne Australia Risto Nevalainen **Finland** Antonia Jeanrenaud Italy Andy Coster UK Dr. Yossi Winograd **USA** 

The working group is instructed to:

- 1. Develop JTC1/SC7 comments on WD3 of ISO 9001 and ISO 9004 and send them to the Liaison Officer of JTC1/SC7 to ISO TC176 and the JTC1/SC7 Secretariat by June 9, 1998.
- 2. Develop JTC1/SC7 comments on ISO/CD 9001 and ISO/CD 9004, once the CDs are issued by ISO TC176/SC2. The Working Group will send its comments to the Secretariat and the Liaison Officer at a date to be established.
- 3. Report on its activities to JTC1/SC7 at the 1999 JTC1/SC7 Plenary.

The Liaison Officer to ISO TC176 is instructed to:

1. Send the comments on the WD to ISO TC176/SC 2 Secretariat by June 12, 1998.

If JTC1/SC33 is disbanded, JTC1/SC7 instructs its Secretariat to offer a home for the Open Distributed Processing (ODP) related work in JTC1/SC7. Working groups will be transferred in their entirety to JTC1/SC7, pending a decision at the 1999 plenary.

## **Document Distribution**

521	JTC1/SC7 instructs its Secretariat to register document N1860 (project 7.27.02, Software Project Management) as a PDTR and to circulate it for PDTR ballot to its Member Bodies, once the document is available (end of July 1998).	
522	JTC1/SC7 instructs its Secretariat to circulate a revised version of document N1922 (project 07.31.02, 14143-2: Functional Size Measurement - Part 2: Compliance assessment of software size measurement methods to ISO/IEC 14143-1:1998) for a combined WD, CD Registration and CD ballot.	
523	JTC1/SC7 instructs its Secretariat to circulate a revised version of document N1923 (project 07.31.03, 14143-3: Functional Size Measurement - Part 3: Verification of functional size measurement methods) for a combined WD, PDTR Registration and PDTR ballot.	
524	JTC1/SC7 instructs its Secretariat to circulate a revised version of document N1924 (project 07.31.04, 14143-4: Functional Size Measurement - Part 4: Reference Model.) for a combined WD, PDTR Registration and PDTR ballot.	
525	JTC1/SC7 instructs its Secretariat to circulate a revised version of document N1925 (project 07.31.05, 14143-5: Functional Size Measurement - Part 5: Determination of Functional Domains for Use with Functional Size Measurement.) for a combined WD, PDTR Registration and PDTR ballot.	
526	JTC1/SC7 instructs its Secretariat to forward the JTC1/SC7 WG11 Interim Study Period report (N1941) on the "Feasibility of Mapping Modelling Languages for Analysis and Design Models" to JTC1/SC32 and TC184/SC4 and to circulate it to JTC1/SC7 Member Bodies for comments.	
527	JTC1/SC7 instructs its Secretariat to circulate the draft British Standard on CDIF-STEP mapping to JTC1/SC7 member bodies for comment with the intent to fast track the standard to JTC1 for inclusion as part of 15478.	
528	JTC1/SC7 instructs its Secretariat to circulate the proposed new work item on "Configuration Management Tools Requirements" (N1936) for a 60 day letter ballot and to progress it accordingly.	
529	JTC1/SC7 instructs its Secretariat to circulate the proposed new work item on "Guidelines for the Design and Preparation of Software User Documentation" (N1938) for a 60 day letter ballot and to progress it accordingly.	

# JTC1/SC7 LIAISON

# Collaborative Work with IEC/TC56 (WG9)

530	JTC1/SC7 endorses the continuation of its collaborative work between its WG9 and
	IEC/TC56/WG10.

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# **Liaison Officers (Secretariat)**

531	JTC1/SC7 reaffirms the importance of liaison with the following committees, to be established or confirmed as follows:	
	ISO TC159/SC4 ISO TC176/SC2 ISO TC176/SC3 ISO TC 210	Mrs. Anna Giannetti (Italy) Dr. Yossi Winograd (USA) Dr. Yossi Winograd (USA) Mr. Sherman Eagles (USA)
	IEC TC56 IEC TC65/SC65A IEC TC 62 IEC TC 176/SC1 IEC TC184/SC5	Mr. Dave Kiang (Canada) Mr. Hans Daniel (Germany) Mr. John Murrary (USA) Ms. Victoria Hailey (Canada) Mr. Terry Rout (Australia)
	ISO/IEC JTC 1/SC1 ISO/IEC JTC1/SC27 ISO/IEC JTC1/SC32 (previously SC21 WG3)	Mr. Terry Rout (Australia) Mr. Hans Daniel (Germany) Mr. Jean Bérubé (Canada)
	CEN TC311 ("A" Liaison) PMI (Project Management Institute) OMG (Object Management Group) EIA CDIF (Case Data Interchange Format)	Mr. Michael O'Duffy (Ireland) Mr. George Jackelen (USA) Mr. Jean Bérubé (Canada) Mr. Woody Pidcock (USA)
	The JTC1/SC7 Secretariat will send a letter to the committees to communicate officially this resolution.	
532	JTC1/SC7 instructs its Secretariat to seek liaison with IEC TC65/SC65A.	
533	JTC1/SC7 instructs its Secretariat to seek liaison	with ISO/IEC JTC1/SC27.
534	JTC1/SC7 instructs its Secretariat to seek liaison with IEC TC184/SC5.	
535	JTC1/SC7 instructs its Secretariat to seek a Category C liaison between its WG10 and the Organization "The SPICE User Group" (SUGaR).	

# **JTC1/SC7 MANAGEMENT**

# **SWG 1 (Business Planning Group)**

536	Since the JTC1/SC7 Strategic Direction Statement 1997 confirms the need to have a consistent and cohesive overall view of all JTC1/SC7 standards and technical reports, the Strategic Planning Workshop identified two actions:  1. Definition of the configuration of the JTC1/SC7 Product Line to clarify relationships and identify gaps.  2. Development of a means to move the current set of JTC1/SC7 standards and technical reports to the target product line organization.
	JTC1/SC7 instructs its Secretariat to circulate the JTC1/SC7 Product Line Framework (N1942) to JTC1/SC7 member bodies by 1 October 1998 for a 60 days letter ballot and instructs the SWG1 to prepare the comment resolution.

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537	JTC1/SC7 instructs its SWG1 to update the 1997 SC7 Product Plan (N1884) describing the inventory of existing and in-work JTC1/SC7 standards and technical reports. JTC1/SC7 instructs its Secretariat to distribute the updated Product Plan to JTC1/SC7 member bodies for information.	
538	JTC1/SC7 instructs its Secretariat to continue a SWG on Software Engineering Terminology (SWG2) with the following terms of reference:	
	<ol> <li>Extract the fundamental JTC1/SC7 terms from the following sources: JTC1/SC7 terms of reference, ISO/IEC 9126, ISO/IEC 12207, and words in all titles of JTC1/SC7 in-work and existing standards.</li> <li>Identify contradictions and ambiguities in terms within scope of SWG2.</li> <li>Suggest resolution of these contradictions and ambiguities.</li> <li>Recommend methods of publishing, coordination with JTC1/SC1 and other ISO and IEC technical committees, and controlling JTC1/SC7 fundamental terms.</li> <li>Recommend a plan for next phase of SWG2 including the achievement of the intent of Resolution 218.</li> <li>A report on SWG2 activities is due on 15 February 1999.</li> <li>Terry Rout (Australia) appointment as the Convenor of the JTC1/SC7 SWG2 is reaffirmed. Membership in the SWG will consists of all JTC1/SC7 editors and WG</li> </ol>	
	Convenors. SWG1 will oversee the work of SWG2.	
539	JTC1/SC7 instructs its Secretariat to use all necessary means to perform the administrative actions to implement the title conventions proposed in N1907 including:	
	<ol> <li>Maintain Title Conventions for JTC1/SC7 Standards and Technical Reports (N1907) as an JTC1/SC7 standing document.</li> <li>Review New Work Item Proposals for consistency with JTC1/SC7 Title Conventions.</li> </ol>	
	<ol> <li>Align titles of in-work JTC1/SC7 projects with JTC1/SC7 Title Conventions.</li> <li>Align titles of existing JTC1/SC7 standards and technical reports with JTC1/SC7 Title Conventions upon their revision.</li> </ol>	

540	JTC1/SC7 instructs its Secretariat to continue a SWG on Business Planning (SWG1) with the mandate to:  1. Plan, support and organize management workshops as necessary,  2. Proposed update to the JTC1/SC7 business plans and procedures,  3. Recommend items for JTC1/SC7 Advisory Group agendas,  4. Propose updates to the JTC1/SC7 communications function,  5. Promote horizontal aspects of JTC1/SC7,  6. Update the JTC1/SC7 Product Plan,  7. Prepare the JTC1/SC7 Product Line Framework,  8. Provide oversight of the JTC1/SC7 vocabulary activities,  9. Prepare procedures and organization responsibilities to ensure an integrated	
	strategy planning, business planning, and management system for JTC1/SC7.  SWG1 will be under the direction of the JTC1/SC7 Chair, as convenor, and composed of (or any other person deputed by):  Mr. T. Bergier, France  Dr. H. Daniel, Germany  Mr. A. Coster, UK  Mr. A. Dorling, UK  Mr. T. Rout, Australia  Professor P. Rogoway, Israel  Mr. J. Moore, USA (co-Convenor)  Mr. P. Voldner, Canada (co-Convenor)  Dr. Y. Yamamoto, Japan	
541	JTC1/SC7 instructs it Chair to take into consideration the report from the "Andy Coster Group" and, in consultation with the SWG1, report back to SC7 by 1999/02.	

# **General Administration**

542	JTC1/SC7 instructs its Project Editors to include the following minimum information in all future reports of disposition of ballot comments (as per resolution 478 – N1754)  1. Comment identifier (refer SC7 resolution on this)  2. Text of comment  3. Agreed disposition:     Accepted (A)     Accepted in Principle (AIP)     Rejected (R)     Withdrawn (W)     Overtaken by events (OBE)  4. Details: Where the disposition is other than "A" a brief statement of the reasoning behind the decision or the nature of the agreed modification. Where a Technical High comment is rejected, there should be reference to WG minutes of the discussions or any votes taken.
543	JTC1/SC7 instructs its Secretariat to return to the Editor any reports that do not meet the required convention, according to resolution 542. JTC1/SC7 further instructs that the work item should not be further progressed until resolution is achieved.
544	JTC1/SC7 instructs its Secretariat to include instructions on how to comment with all documents distributed for ballot (resolution 497, N1754).

#### **APPRECIATIONS**

JTC1/SC7 extends its appreciation to Ms. Norma Stopyra for her excellent and diligent work as Editor of project 7.27.02, Software Project Management.

JTC1/SC7 extends its appreciation to Ms. Carole Nadeau for her excellent and diligent work as Editor of project of 7.13.01.02, External Metrics.

JTC1/SC7 extends its appreciation to Leonard Tripp for his excellent and diligent work as Head of Delegation for the US and co-convenor of SWG1.

JTC1/SC7 extends its appreciation to Mr. Doug Thiele for his excellent and diligent work as editor of ISO/IEC TR 15271, Guide for ISO/IEC 12207, which was recently submitted to ISO for publication.

JTC1/SC7 extends its appreciation to Mr. Doug Thiele for his excellent and diligent work as convenor of the WG7 OWG on the development of Project Requirements for the revision of ISO/IEC 12207.

JTC1/SC7 extends its appreciation to the following people for hosting workshops on special topics in ISO/IEC 15288:

- Mr. John Harauz (Canada), for the safety workshop
- Dr. Hans Daniel of (Germany), for the security workshop
- Dr. Nigel Bevan of (UK), for the human factors workshop

JTC1/SC7 extends its appreciation to Dr. Jerry Lake for serving as co-editor of ISO/IEC 15288 during this plenary.

JTC1/SC7 extends its appreciation to the South African Member Body for hosting the Eleventh Plenary meeting of JTC1/SC7 in Johannesburg. Special thanks go to Professor Alastair Walker for his efforts in the preparation of the meeting.

JTC1/SC7 extends its appreciation for the excellent administrative support provided at the Eleventh Plenary meeting by the support staff:

- Mrs. Ronel Pretorius
- Ms. Liana Grobler
- Ms. Isabel Rennison
- Mr. Hennie Rheeder

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