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Software Engineering
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RESOLUTIONS
ISO/IEC JTC 1/SC7--SOFTWARE ENGINEERING
 Prague, Czech Republic, May 26-31, 1996

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

TABLE OF CONTENT

TABLE OF CONTENT	2
ORGANISATION.....	4
APPOINTMENT OF CONVENORS.....	4
APPOINTMENT OF PROJECT EDITORS	4
WORK PROGRAM	6
WORKING GROUP 4	6
WORKING GROUP 7	6
WORKING GROUP 8	6
PROJECT DEFERRALS	7
CANCELLATION OF PROJECTS.....	8
CANCELLATION OF PROJECT 7.33 (WG11)	8
DOCUMENT CIRCULATION	9
SC7 LIAISON	10
COLLABORATIVE WORK WITH IEC/TC56 (WG9)	10
LIAISON OFFICERS (SECRETARIAT)	10
SC7 POSITION REGARDING ISO 9000-3 (FRANCE)	11
DOCUMENT RENUMBERING.....	11

COMMENTS NUMBERING..... 11
ISSUE MANAGEMENT (SC7/BPG) 12
SC7 BUSINESS PLANNING GROUP 12
SC7 STRATEGIC PLANNING WORKSHOP (SC7/BPG)..... 13
REAFFIRMATION OF JTC 1/SC7 VOCABULARY POLICY AND PROCEDURES..... 13
RETIREMENT OF 1991 BUSINESS PLAN (SC7/BPG)..... 13
PRODUCT PLAN PUBLICATION (SC7/BPG) 13

CONDOLENCES..... 14

APPRECIATIONS..... 15

ORGANISATION

Appointment of Convenors

- 437** SC7 reaffirms Mr. Peter Eirich (US) as Convenor of its WG11 for one year.
- 438** SC7 appoints, for a period of one year as interim co-convenor of its WG11, Professor Y. Yamamoto of Japan.
- 439** SC7 appoints M. John Phippen (Australia) and M. Stanley Magee (USA) as Joint-Convenors of Working Group 8, both appointments conditional to the confirmation of support from the respective member bodies. The US National Member Body (ANSI) will own the Working Group Secretariat.

Appointment of Project Editors

- 440** JTC 1/SC7 hereby formalise its policy that all multi-part standards shall have a prime project editor who has prime responsibility for the maintenance of the multi-part document as per JTC1 Directives, and has also the responsibility and authority to ensure consistency and harmonisation of the multi-part document. At this point in time, the following projects have prime project editors:

07.13	M. Azuma (Japan)
07.28	J. Bérubé (Canada)
07.29	P. Simms (UK)
07.31	P. Morris (Australia)

- 441** JTC1/SC7 appoints Nigel Bevan (UK) and Julie McMullan as respectively project editor and co-editor of ISO 9126-1.
- 442** JTC1/SC7 appoints Nigel Bevan (UK) and Andrew Chruscicki (US) as respectively project Editor and co-editor of project 14958-1.
- 443** Whereas:
- The JTC1 approved the development of an International Standard on System Life Cycle Processes,
 - The human effort and resources needed to assemble this developing standard are expected to be significant,

- The human effort and resources needed to harmonise this developing standard with other related system areas standards are expected to be significant,

Therefore, JTC1/SC7 appoints Mr. Stuart Arnold (UK) as project co-editor for project 07.38.

444 JTC1/SC7 appoints Paul Joannou (Canada) as Project Editor for Project 7.30.

445 JTC1/SC7 appoints the following persons as project editors for project 07.28:

07.28.1.1	Woody Pidcock (USA)
07.28.1.2	Woody Pidcock (USA)
07.28.1.3	Hugh Davis (UK)
07.28.1.4	Jean Bérubé (Canada)
07.28.2.1	Woody Pidcock (USA)
07.28.2.2	Woody Pidcock (USA)
07.28.2.3	Woody Pidcock (USA)
07.28.3.1	Woody Pidcock (USA)
07.28.3.2	Woody Pidcock (USA)
07.28.3.3	Woody Pidcock (USA)
07.28.3.4	Woody Pidcock (USA)
07.28.3.5	Woody Pidcock (USA)
07.28.3.6	Rob Hill (Canada)
07.28.3.8	Rob Hill (Canada)
07.28.3.7	Woody Pidcock (USA)
07.28.3.9	Woody Pidcock (USA)
07.28.3.10	Woody Pidcock (USA)
07.28.3.11	Woody Pidcock (USA)
07.28.3.12	Johannes Emst (USA)
07.28.4.1	Hugh Davis (UK)
07.28.4.2	Hugh Davis (UK)
07.28.4.3	Hugh Davis (UK)
07.28.4.4	Hugh Davis (UK)
07.28.4.5	Hugh Davis (UK)
07.28.4.6	Hugh Davis (UK)
07.28.5.1	Jean Bérubé (Canada)
07.28.5.2	Jean Bérubé (Canada)
07.28.5.3	Jean Bérubé (Canada)
07.28.5.4	Jean Bérubé (Canada)
07.28.5.5	Jean Bérubé (Canada)
07.28.5.6	Jean Bérubé (Canada)

WORK PROGRAM

Working Group 4

- 446** JTC1/SC1 Secretariat authorises its Working Group 4 to conduct a Study Period, to be completed by November 30 1997, for the investigation of the feasibility of tool compliance standards as defined in SC7 N1530, Proposal for a Study Period to Investigate the Feasibility of Developing Standards in the Area of Tool Compliance, and invites Member Bodies to participate.

Working Group 7

- 447** Whereas

- The JTC1/SC7, by Resolution 400, established a Study Group to analyse the need for software process measurements in support of ISO/IEC 12207 and submit recommendations,
- There were some unresolved issues concerning participation in the study.

Therefore, JTC1/SC7 authorises the extension of the study period until 31 December 1996 as per the plan in document Prague-23. The Study Group is directed to submit, by this date, a report containing an analysis of the need for such process metrics in support of ISO/IEC 12207 and appropriate recommendations on how to implement such metrics. The goals, objectives, and other tasks as assigned to the Study Group by SC7 in Resolution 400 are applicable. The study group will establish liaison with the convenors of SC7 WG4, WG6, WG10, and WG12 (See SC7 N1531).

Working Group 8

- 448** In the event that ISO TC176/SC2 WG17 does not proceed with their work item to revise ISO 9000-3, SC7 instructs its Secretariat to take the necessary steps with JTC1 to enable JTC1/SC7 to reactivate work item #7.27.03 Software Quality Assurance and to invite the members of TC176/SC2 WG17 to become contributors to this work item. This project may include work items 7.27.04, (V&V) and 7.27.05 (Reviews and Audits).

449 In the event ISO TC176/SC2 WG17 proceeds with their work item to revise ISO 9000-3, JTC1/SC7 instructs its Secretariat to take whatever action is necessary to defer Project 7.27.03 (SQA) and Project 7.27.05 (Reviews and Audits) for one year.

Project Deferrals

450 SC7 instructs its Secretariat to take whatever actions are necessary to defer Project 7.27.02 (Software Project Management) for one year. However, planning and coordination activities may proceed. At the 1997 Plenary Meeting, Working Group 8 will have a firm plan on how to proceed with this project in order to produce a CD in a timely manner.

451 In respect of project 07.23.04 (V&V), JTC1/SC7 instructs its Secretariat to cancel the project without further vote unless a draft can be ready for registration as a CD by the close of the 1997 mid-year meeting due to resource problems within the WG.

452 JTC1/SC7 instructs its Secretariat to request from ISO/IEC ITTF to postpone the revision of TR9294 (Guidelines for the Management of Software Documentation) until after the publication of IS 6592-1985 (Guidelines for the Documentation of Computer- Based Application Systems) (revised).

453 JTC 1/SC7 instructs its Secretariat to take whatever actions are necessary to defer for one year the following projects:

<u>Project Number</u>	<u>WG11 Doc. No.</u>	<u>Title</u>
7.28.3.10	N038	Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 20: Physical Relational Data Base Subject Area.
7.28.3.11	N039	Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 30: Project Planning and Scheduling Subject Area.
7.28.3.1	N043	Software Engineering Data Definition and Interchange - Presentation Meta-model- Part 1: Presentation Global Subject Area.
7.28.3.3	N045	Software Engineering Data Definition and Interchange - Presentation Meta-model - Part 3: Presentation Shapes Subject Area.

During that year, WG11 will address the future planning of these projects.

JTC 1/SC7 Terms of Reference (SC7/BPG)

- 454** JTC 1/SC7 approves document SC7 N1532- Rationale for Modification to the SC7 Terms of Reference and instructs its Secretariat to submit it to JTC1 and to request JTC1 to approve its Proposed revised Terms of Reference.

Revision of Document Title (WG6)

- 455** JTC1/SC7 instruct its Secretariat to take appropriate action to have the title of CD 14756-6 changed from *Information Technology - Software Product Evaluation - part 6 Evaluation Modules* to from *Information Technology - Software Product Evaluation - part 6 Documentation of Evaluation Modules*.

Extension of voting period on NWI (US)

- 456** JTC1/SC7 authorises the extension of the letter ballot contained in document SC7 N1496 *PNWI Reference Model for a Software Engineering Environment* for a period of 3 months.

Cancellation of Projects

Cancellation of Project 7.33 (WG11)

- 457** Whereas,
- WG11 has been advised that work comparable to that in project 07.33 had been approved and was currently underway in JTC1/SC18/WG9,
 - the major part of this work would be incorporated into JTC1/SC18 WG9 document 11581-4,
 - the current WG11 Project Editor will be able to continue in the same role for the JTC1/SC18 WG9 project,

Therefore, JTC 1/SC7 instructs its Secretariat to take whatever actions are necessary to have Project 07.33 “Conventions for Usage of Symbols/Menus in Software Systems (including Software Engineering Tools)” removed from its Programme of Work.

Cancellation of Project 7.34 (WG11)

458 Whereas,

- WG11 has been advised that the work from JTC1/SC7/WG2 on the approved Project 07.39 for “Software Life Cycle Process - Guidelines for the Content of Software Life Cycle Process Information Product Documentation” encompasses the issues that were to be addressed by project 07.34,

Therefore, JTC 1/SC7 instructs its Secretariat to take whatever actions are necessary to have Project 07.34 “Management of Information Transfer between Life-Cycle Phases” removed from its Programme of Work.

DOCUMENT CIRCULATION

459 Whereas,

- documents SC7/WG11 N049, N050, N036 and N035 (see below) were received by WG11 from EIA CDIF in a technically mature state,
- these 4 documents are comparable to, consistent with and form a logical set with six other WG11 documents ready for CD circulation,
- JTC1 Directives allow for a combined CD registration and consideration of the CD ballot in cases where substantial technical agreement has already been received,

Therefore, JTC 1/SC7 authorises its Secretariat to circulate the revised versions of the following WG11 documents as WD with a combined ballot for CD registration and consideration of the CD.

<u>Project Number</u>	<u>WG11 Doc. No.</u>	<u>Title</u>
7.28.3.5	N049	Information Technology - Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 2: Common Subject Area.
7.28.3.6	N050	Information Technology - Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 3: Data Definition Subject Area.
7.28.3.8	N036	Information Technology - Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 4: Data Modelling Subject Area.
7.28.3.7	N035	Information Technology - Software Engineering Data Definition and Interchange - Integrated Meta-model - Part 5: Data Flow Modelling Subject Area.

SC7 LIAISON

Collaborative Work with IEC/TC56 (WG9)

460 JTC1/SC7 authorises the extension of the Joint WG relationship between IEC TC56/WG10 and JTC1 SC7/WG9 for a period of two additional years.

C Liaison Request From NATO

461 Whereas

- The North Atlantic Treaty Organisation (NATO) has opted to adopt and use commercial standards in lieu of developing NATO-unique standards,
- The NATO has expressed its desire to establish a liaison with JTC1/SC7 at the technical and observer level,

Therefore, JTC1/SC7 accepts Nato's request to establish a Category C liaison with WG7 and instructs its Secretariat to take the necessary steps to obtain JTC 1's endorsement.

Liaison Officers (Secretariat)

462 JTC 1/SC7 reaffirms the importance of liaison with the following committees and confirms its liaison assignments as follows:

ISO/IEC JTC 1/SC1	Mr. Leonard L. Tripp (USA)
ISO/IEC JTC1/SC22	Mr. Joseph Coté (Chairman)
ISO/IEC JTC 1/SC22/WG22	Mr. Hugh Davis (UK)
ISO/IEC JTC 1/SC22/WG20	Mr. Isak Korn (Denmark)
ISO TC159/SC4	Mr. Nigel Bevan (UK)
ISO/TC176/SC1	Mr. Leonard L. Tripp (USA)
ISO/TC176/SC2	Mr. Yossi Winograd (USA)
ISO/TC176/SC3	Mr. Yossi Winograd (USA)
ISO/TC184/SC4	Mr. James Fulton (USA)
IEC TC56	Mr. François Coallier (Secretariat)
IEC/TC93	Mr. Peter Eirich (USA)
ECMA/TC33 ("A" Liaison)	Mr. Hugh Davis (UK)
CEN TC311 ("A" Liaison)	Mr. Freddie Vogelius (Denmark)

The SC7 Secretariat will send a letter to the Secretariats of the aforementioned committees to communicate officially this resolution.

SC7 Position regarding ISO 9000-3 (France)

463 JTC1/SC7 reaffirms its previous position on ISO 9000-3 revision in JTC1/SC7 N1279, with special emphasis on points 2 and 3 of this document.

CARRIED: FOR: 13 ; AGAINST 3 ; ABSTENTIONS: 5

464 JTC1/SC7 supports document ISO/TC176/SC2 N328 “ISO/CD 9000-3 Aligned with ISO 9001:1994.

CARRIED: FOR: 11 ; AGAINST 1 ; ABSTENTIONS: 9

SC7 MANAGEMENT

Document Renumbering

465 SC7 instructs its Secretariat to request ISO/IEC ITTF to renumber the standard to be produced under Project 7.23 “Configuration Management” as a stand alone document.

Comments Numbering

466 JTC1/SC7 instruct its Secretariat to propose to the SC7 community a common style for comment identifier as follows: **ccc-ttnnn**

where ccc national body identifier (use ISO standard for country code)

tt comment type: G = General
TH = Technical Major
TL = Technical minor
E = Editorial

nnn sequence number for the country.

Issue Management (SC7/BPG)

- 467** JTC 1/SC7 instructs its Secretariat to implement a process for receiving, recording, tracking, and resolving issues raised by Working Group Convenors and member bodies on SC7 products and processes and to accept improvement suggestions from SC7 participants.

SC7 Business Planning Group

- 468** JTC1/SC7 reconfirms the intent of Resolution 235 and reaffirms the continuation of the SC7 business planning group with a mandate to:
1. plan, support and organise Strategic Planning Workshop,
 2. proposed update to the SC7 business plans and procedures,
 3. propose updates to SC7 communications function,
 4. determine the feasibility of SC7 becoming a horizontal committee,
 5. prepare the SC7 Product Plan,
 6. support SC7 vocabulary control, and
 7. prepare procedures and organisation responsibilities to ensure an integrated strategy planning, business planning, and project oversight function for SC7.

The Business Planning Group will remain under the direction of the JTC1/SC7 Secretary and composed of:

Mr. F. Babey, France
Ms. S. Lynn, Australia
Mr. I. Korn, Denmark
Mr. P. Rogoway, Israel
Mr. M. Caracciolo, Italy
Mr. A. Coster, UK
Mr. L. Tripp, USA (co-convenor)
Mr. P. Voldner, Canada (co-convenor)
Mr. Y. Yamamoto, Japan
Mr. A. Dorling, UK

and provide a plan of action to the SC7 Secretariat by October 1, 1996.

SC7 Strategic Planning Workshop (SC7/BPG)

469 JTC1/SC7 instructs its Secretariat to take the steps necessary to organise and carry out an SC7 Strategic Planning Workshop with the participation of the members of the SC7 chairman's advisory group (two individuals from each member body will be invited), SC7 convenors, SC7 Business Planning Group and SC7 liaisons. The purpose of the workshop is to position SC7 to more effectively meet the needs of its customers by preparing a vision statement, mission statement, implementing strategies, product line definition and assignment of implementing strategies. The workshop is to be conducted on June 6-8, 1997 preceding the 1997 SC7 Plenary. The invitation to participate in workshop will be issued on 1 October 1996. The instructions to the workshop participant will be issued on 1 April 1997. The results of the workshop will be presented to the Plenary for initial approval to be followed by a general circulation to all SC7 member bodies for further review.

Reaffirmation of JTC 1/SC7 Vocabulary Policy and Procedures

470 JTC 1/SC7 reaffirms the importance of vocabulary control (Resolution 218) and instructs Vocabulary Liaison Officer to prepare recommendations for improving the SC7 vocabulary procedures for consideration at the 1997 SC7 Strategic Planning Workshop.

Retirement of 1991 Business Plan (SC7/BPG)

471 JTC 1/SC7 instructs its Secretariat to inform its member bodies that the 1991 SC7 Business Plan (SC7 N810) has fulfilled its purpose and will be updated in conjunction with the SC7 Strategic Planning workshop.

Product Plan Publication (SC7/BPG)

472 JTC1/SC7 instructs its Secretariat to forward the 1996 version of the SC7 Product Plan, completed by the BPG on October 1, 1996 to the WG convenors for a review period ending November 15, 1996, and after comment resolution to issue the final copy to the SC7 member bodies and liaisons on or before December 15, 1996 for information purposes only.

CONDOLENCES

The JTC1/SC7 is saddened to learn of the death of Mr. Jean Claude Utter, a long time, respected member. His participation and contributions to many of the SC7's activities and products, particularly ISO/IEC 12207, are gratefully acknowledged. SC7 expresses its condolences to the family and friends of Mr. Utter. Farewell, dear friend!

APPRECIATIONS

JTC1/SC7 accepts the resignation of and extends its appreciation to Mr. Marvin Kaplan (USA) for his excellent and diligent work as Convenor of WG8.

JTC1/SC7 accepts the resignation of and extends its appreciation to Mr. Tom Kurihara (USA) for his excellent and diligent work as Vocabulary Liaison Officer.

JTC1/SC7 accepts the resignation of and extends its appreciation to Dave Kiang (Canada) for his excellent and diligent work as Project Editor for Project 7.30.

The JTC1/SC7 conveys its best wishes to Mr. Wolfgang Heidrich (Germany) on his retirement. His contributions to the SC7's activities and tasks are gratefully acknowledged.

JTC1/SC7 expresses its appreciation to Mr. Andy Bytheway (UK) for his contribution and leadership in the development of the SC7 Brochure.

JTC 1/SC7 thanks its Czech Republic Member Body for hosting the Ninth Plenary meeting of JTC 1/SC7 in Prague.

JTC 1/SC7 extends its appreciation to the administrative support provided at the Ninth Plenary meeting by:

- ◆ Anna Lorencova
- ◆ Frantisek Kraml
- ◆ Adela Svobodova
- ◆ Milan Kucera
- ◆ Hedvika Fialova
- ◆ Jan Simer

JTC 1/SC7 thanks Xerox for the supply of photocopiers and supplies for use by delegates at the Ninth Plenary.