



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

ISO/IEC JTC1/SC7 N1628
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**MINUTES OF MEETING
ISO/IEC JTC1/SC7-- NINTH PLENARY MEETING
PRAGUE, CZECH REPUBLIC,
MAY 26-31, 1996**

FIRST SESSION OF THE PLENARY MEETING

Monday 1996-05-27

1. Opening of the Meeting

The meeting was opened by Dr. Miroslava MATOUSOVA, Director and Government Councilor for State Information System of the Czech Republic, Ministry of Economy of the Czech Republic who welcomed the delegates, wishing them a productive meeting and that the delegates reach consensus on all items on the agenda.

2. Chairman's Remarks

Mr. J. Côté, Chairman of ISO/IEC JTC1/SC7, on behalf of the delegates, thanked Dr. MATOUSOVA for opening the meeting. He when on telling the delegates that SC7 is now a key sub-committee of JTC1, and that we need to make sure that we deliver on schedule on all the projects in our program of work.

3. Meeting Logistics

Dr. Jiri Vanicek Mrs. Anna Lorencova then proceeded with explaining to the delegates the logistics of the meeting.

4. Roll Call of Delegates

P Members represented:

Australia, Belgium, Brazil, Canada, Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Japan, Korea, Mexico, Netherlands, Norway, South Africa, Sweden, United Kingdom, United States

ISO/IEC JTC1/SC7 Conveners: WG2, WG4, WG6, WG7, WG8, WG9, WG10, WG11, WG12

Liaisons:

ISO/TC176/SC2, ITU, ISO/TC159/SC4, ECMA, IEFPUG, IFPUG, ESI, CDIF.

A list of delegates present at the meeting is given in document SC7 N1523.

5. Appointment of Drafting Committee

The following were appointed to the Drafting Committee:

Mr. A. Kark (Canada)
Mr. F. Coallier (Secretariat)
Mr. J.N. Drouin (Secretariat)
Mr. K. Turner-Craig (Australia)
Mr. I Korn (Denmark)
Mr. Y. Tanitsu (Japan)

6. Adoption of the Agenda

The agenda for the Plenary Meeting was approved as given in document JTCl/SC7 N1465.

7. Report of the Secretariat

6.1 Status Report & Project Information

The secretary summarized the key items of the Secretariat report (SC7 N1497).

The Secretary pointed out that the report was incomplete since he did not have access to up-to-date project schedule information. He requested that the Working Groups should re-assess their project schedule during the Plenary week.

Also, corrections for any errors and omissions are welcome.

8. Other Reports

No other reports were tabled. Member Bodies reports are at Annex C.

9. JTC1/SC7 Advisory Group Report

Mr. Jean-Normand Drouin read the Advisory Group Report in Annex B.

10. Meeting Schedule

See Annex A.

SECOND SESSION OF THE PLENARY MEETING
Friday 1996-05-31

Roll Call of Delegates

P Members represented:

Australia, Belgium (Proxy to Germany), Brazil, Canada, Czech Republic, Denmark, Finland, France, Germany, Ireland, Israel (Proxy to Australia), Italy, Japan, Korea, Mexico, Netherlands, Norway, South Africa, Sweden, United Kingdom, United States of America.

ISO/IEC JTC1/SC7 Conveners: WG2, WG4, WG6, WG7, WG8, WG9, WG10, WG11, WG12

Liaisons:

ISO/TC176/SC2, ITU, ISO/TC159/SC4, ECMA, IEFPUG, IFPUG, ESI, CDIF.

10. Reports from Working Groups

10.1 WG2

The Convener reported a successful meeting. See N1576.

10.2 WG4

See Annex D.

10.3 WG6

The Convener reported that all meeting objectives were met. See N1554.

10.4 WG7

See Annex D.

10.5 WG8

See Annex D.

10.6 WG9

The Convener reported a successful meeting. SC7/WG9 meet with TC56/WG10. The joint SC7/WG9 - TC56/WG10 was updated. The Systems and Software Integrity standard is moving toward DIS stage.

10.7 WG10

The Convener reported that about 40 delegates were present and that the processing of the comments from the CD registration ballot for the Software Process Evaluation multi-part standard was progressing satisfactorily.

10.8 WG11

The Convener reported that the meeting met all objectives. 10 documents were ready for CD circulation and 3 others for combined WD / CD registration (PRAGUE 29-42). Also,

10.9 WG12

See Annex D.

11. Nomination/Confirmation of WG Conveners

See Resolutions 437, 438 and 439 in N1538.

12. Review of Liaison Requirements

See resolutions 460, 461 and 462 in N1538.

13. Subsequent meetings - location and date

JTC1/SC7 meeting schedules include:

WG2	November, 1996 November, 1997	Ottawa, Canada * Autralia/New Zeland (to be confirmed)
WG4	November 1996	Ottawa, Canada *
WG6	November 18-22, 1996	Curitiba, Brazil (confirmed)

WG7	November 11- 15, 1996, [All fall meetings to be co-located with TC176/SC2]	Tel Aviv, Israel
WG8	November 11- 15, 1996, [All fall meetings to be co-located with TC176/SC2]	Tel Aviv, Israel
WG9	September 09-13, 1996 [All fall meetings to be co-located with TC56/WG10]	Dresden, Germany
WG10	September, 1996 February/March, 1997	Mexico City, Mexico (To be confirmed) Singapore (To be confirmed)
WG11	November, 1996	Ottawa, Canada *
WG12	November, 1996 November, 1997	Amsterdam, The Netherlands (to be confirmed) Italy (to be confirmed)
SC7	June 06-10 1997 May/June 1998	USA (confirmed) South Africa (to be determined)

14. Other Business

None

15. Approval of Resolutions and Statement of Results

The resolutions presented at the Ninth Plenary meeting of JTC1/SC7 as given in document SC7 N1538 were reviewed and, with the exception of resolutions 463 and 464, were approved unanimously.

Resolutions 463 and 464 were debated briefly and carried with respectively 13 For, 3 Against and 5 Abstentions, and 11 For, 1 Against and 9 Abstentions

16. Adjournment

There being no other business, the Chairman adjourned the Ninth Plenary meeting of JTC1/SC7..

ANNEX A: Agenda

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MESSAGE IDENTIFIER: ISO/IEC JTC1/SC7/Secretariat/SC7_NEWS-96-7
=====

ISO/IEC JTC1/SC7 N1465
1996-01-30

TITLE: Draft Agenda
JTC1/SC7 Plenary
Prague, Czech Republic, May 26-31 1996

SOURCE: JTC1/SC7 Secretariat

WORK ITEM:

STATUS:

REFERENCES:

ACTION: Information and appropriate action.
Member Bodies and WG Should communicate agenda items and
proposed resolutions preferably before 1996-03-29.

Francois Coallier

ISO/IEC JTC1/SC7 Secretariat

DRAFT AGENDA

JTC1/SC7 PLENARY
PRAGUE,CZECH REPUBLIC MAY 26-31, 1996

LOCATION: Krystal Hotel
(Note: Please make all reservations through
Tours & Meetings (F) +42 2 3116076
- Information to follow)

PRE-MEETING ACTIVITES

All editors, co-editors and reviewers of WG6 will meet
on Friday and Saturday (May 24 and 25) at the Czech
Technical University [To be confirmed].

SUNDAY, MAY 26, 1996

Registration

17:30 - 18:30hrs - Lobby

First Session of the Advisory Group meeting

18:00 - 21:00hrs - Room 186

MONDAY, MAY 27th, 1996

Registration

From 09:00hrs - Lobby

First Session of the Plenary Meeting - Aula Hall

1. Opening of the meeting - 09:00hrs
2. Chairman's remarks
3. Meeting Logistics
4. Roll call of delegates
5. Appointment of drafting committee
6. Adoption of the agenda
7. Report of the Secretariat
 - 7.1 Status Report
 - 7.2 SC7 Project Information
8. Other Reports (please notify the Secretary)
9. JTC1/SC7 Advisory Group Report
10. Meeting Schedule
11. Closing of the meeting - 10:00hrs

Adjournment of the first session of the plenary meeting for working group meetings as follows:

	09:00 - 11:30	13:00 - 17:00	18:00 -
21:00			
May 27	First Session of Plenary + WGs 2,4,6,7,8,9,10,11 & 12	WGs 2,4,6,7,8,9,10,11 & 12	

May 28	WGs 2,4,6,7,8,9,10,11 & 12	WGs 2,4,6,7,8,9,10,11 & 12	
May 29	WGs 2,4,6,7,8,9,10,11 & 12	WGs 2,4,6,7,8,9,10,11 & 12	
May 30	WGs 2,4,6,7,8,9,10,11 & 12	WGs 2,4,6,7,8,9,10,11 & 12	Adv. Grp.
May 31	WGs 2,4,6,7,8,9,10,11 & 12	Second Session of Plenary	

The Business Planning Group will meet as required during the entire Plenary week.

ROOM ALLOCATION

Office:	Room 173
Copying and Computers:	Room 249 - DCIT
Business Planning Group:	Floor 1 (12 pers)
WG2:	Floor 2 (12 pers)
WG4:	Room 344 (12 pers)
WG6:	Room 176 (50 pers) Room 180 (15 pers)
WG7:	Room 186 (40 pers) Room 248 (20 pers)
[WG8]	
WG9 & IEC/TC56/WG10:	Floor 3 (10 pers) Floor 4 (10 pers)
WG10:	Room 341 (60 pers) Room 343 (20 pers) Floor 5 (20 pers)
WG11:	Floor 6 (20 pers) Floor 7 (20 pers)
WG12:	Room 184 (30 pers) Floor 8 (10 pers) Floor 9 (10 pers)

FRIDAY, MAY 31 1996

Second session of the plenary meeting

12. Opening of the meeting - 13:00hrs

13. Reports from Working Groups:

- 13.1 WG2 - Mr. Johnson
- 13.2 WG4 - Mr. Vollman
- 13.3 WG6 - Prof. Azuma
- 13.4 WG7 - Mr. Singh
- 13.5 WG8 - Mr. Kaplan

- 13.6 WG9 - Mr. Kiang
- 13.7 WG10 - Mr. Dorling
- 13.8 WG11 - Mr. Eirich
- 13.9 WG12 - Mr. Rehesaar

- 14. Nomination / Confirmation of WG Conveners
- 15. Review of liaison requirements
- 16. Subsequent meeting - location and date
- 17. Other business
- 18. Approval of resolutions and statement of results
- 19. Adjournment

ANNEX B: AG Rapporteur Report

SC7 Secretariat Organisation

The secretariat reported that it went through a period where it had difficulty coping with the volume of work. Two corrective actions were taken:

- a) additional manpower (appointment of Assistant Secretary)
- b) groupware environment

There are still some work management issues in SC7. To help, the secretariat has requested the following:

- a) secretariat needs from convenors an updated project plan every 6 months
- b) a "project deliverable" planning matrix has been distributed to convenors to capture key deliverables (eg. CD ballots, resolution reports, etc.). The matrix also includes planning guidelines. WG are expected to complete and return this matrix to the secretariat this week.

SC7 Terms of Reference

JTC1 did neither accept nor reject the SC7 request to modify the SC7 Terms of Reference. The BPG will prepare this week a position paper on this subject so that we can re-submit our request to JTC1.

Business Plan Group Report.

The BPG presented its report.

The BPG proposed to use the Planning Process developed by TC 176 as an example in its own planning work..

The BPG recommendations were:

- Prepare and publish a 1996 SC7 Product Plan
- Initiate definition of SC7 Strategic Product Line.

- Determine the feasibility of SC7 becoming a horizontal committee.

There were discussions about having a 2 days Strategic planning review before the 1997 plenary.

Study Period For Software Engineering Environment

A verbal report was given.

A written report will be given by the end of the week.

A New Work Item was submitted through the US National member body and is presently balloted.

It was noted that the NWI submission prior to the presentation of the Study Report Report created some confusion.

Study Period For Measurement Process to Support Life-Cycle Management

A verbal report was given.

Work is incomplete. Some liaison issues have to be resolved this week. SC7 realises that the Study Period procedures defined by the JTC1 procedures must be followed more closely in the future.

Cooperative Work with IEC/TC56

Mr. Dave Kiang reported that the work with IEC TC56 was going very well. It was proposed to extend this cooperation and to make it a formal cooperative relationship.

Cooperation with ISO TC 176

Good progress was made. It was noted that this relationship is not as mature as the one with TC56.

Other Reports

The US National member body reported that:

- the WG8 convenor (M. Mark Kaplan) has resigned his convenorship due to a career change
- Tom Kurihara has resigned from SC7 for the same reasons.

Consequently, the BPG will take over the Vocabulary Control policy.

Cooperation with CEN TC311

Isak Korn reported on the progress of the cooperation with CEN TC311. This cooperation is presently done through common membership between SC7 and CEN TC311

Other Business

Discussion on Role of ISO 12207

A discussion was held on the role of ISO 12207 in SC7. The discussion was inconclusive. [See ANNEX F]

SPICE Trials

Questions were asked about the SPICE Trials. A SPICE Trials information session will be held Wednesday 4-5pm, room 341.

1998 Plenary

Mr. Leonard Tripp briefly talked about the 1997 plenary that will be held on June 8th in Walnut Creek. Detailed information will be provided Friday morning at the Closing Plenary. South Africa proposed to host the 1998 Plenary.

ANNEX C: COUNTRIES REPORT

Canadian National Activity Report, 1995-1996

During the past year, Canada's National Committee responsible for the work in JTC1/SC7, held three location meetings, and several conference calls. Increased reliance on teleconferencing and Internet, has become necessary to maintain contact with the 35 members of the committee.

Canada has recommended that new SC7's standards should be adopted as National Standards of Canada, the most recent being ISO/IEC 12207, and ISO/IEC 14102. A new National procedure requires that a forecast with regards to future potential sales be made at the time of DIS ballot. This is part of the plan to make the work of SC7 and JTC1 more visible in Canada. Canada supports and is looking forward to more marketing activity by SC7.

Canada is following the work of all SC7 Working Groups, but regret that we will not cover WG6 and WG8 as well as we hoped in Prague. While support nationally is good, the ability of people to travel is becoming more difficult.

The Canadian delegation is please to be in Prague, and include:

Peter Voldner, Bell Sygma HOD (WG4)

Terry Triskle, CGI Group (WG2, WG6m WG8)

WG7: Anatol Kark, National Research Council
Francine Portenier, Software Frameworks (WG8)

WG9: Davie Kiang, Nortel (BNR)
(also joint IEC/TC56/WG10-SC7/WG9 Convener)
Paul Joannou, Ontario Hydro

WG10: Jean Normand Drouin, Bell Canada
Al Graydon, Nortel (BNR)
Jerome Pesant, (CRIM)

WG11: Jean Berube, IDEGENIC

WG12: Alain Abran, University of Quebec in Montreal

Observer: Denis Roy, C.G.L.A., Montreal

We look forward to an enjoyable and productive week in Prague, and thank the Czech members for hosting the SC7 meeting in Prague.

Peter Voldner
1996 05

**Irish National Activity Report to JCT1/SC7 Meeting
Prague 27 May - 31 May 1996**

1. Delegation: Michael O'Duffy (Head of Delegation and WG6)
Julie McMullan (WG6)

2. National Activity

a. Ireland does not in general develop national standards in the area of information technology, but seeks to use international standards as far as possible.

b. Ireland has not transposed any SC7 standards to Irish national standards during the last year. Ireland does not transpose international standards into Irish standards, unless there is a specific justification, for instance when transposition to an EN by CEN obliges them to do so. International standards are available for use in Ireland when appropriate, whether they have been transposed to Irish standards or not.

c. AGITS Working Group 2, the Irish body corresponding to SC7, has met once during the last year. The subgroup set up to advise on software engineering process standards reviewed and commented on WG7 and WG10 documents.

3. International Activity

a. Ireland was privileged to host the meetings of WG4, WG6 and WG12 at the Centre for Software Engineering in Dublin in November 1995.

b. Ireland was represented at the meeting of WG10 in South Africa in November 1995 and Paris in February 1996 as well as the WG6 meeting in Dublin November 1995.

c. Ireland is represented on CEN/TC311 covering Information Systems Engineering, which has a scope similar to SC7.

ITALIAN ACTIVITY REPORT

UNINFO 1/7 is the Italian National Body's Committee devoted to software systems engineering and therefore it is involved in several national and international initiatives related to that matter.

UNINFO 1/7 has always acted as the Italian's SC7 counterpart, actively participating to SC7 working groups and sending its

experts to all plenary and some of the WG meetings. During 1995 it has been represented by its delegates at the following meetings: WG4 (Brisbane and Dublin) , WG6 (Brisbane and Dublin), WG10 (Brisbane and Pilanesburg NP), WG12 (Dublin).

Several Italian organizations including the largest national IT companies such as FINSIEL and OLIVETTI participate in the development and trials of the upcoming Software Process Assessment standard, providing feedback through SPICE.

The national Committee considers essential WG4 and WG6 work and will continue to contribute to the development of all the software product evaluation standards.

The italian interest in the activities of WG 12 remains very strong. TELECOM Italia-CSELT and FINSIEL GROUP are actively contributing and supporting the working group, providing an FTP server. Italy will probably host the next WG12 meeting in '97.

During the past two years UNINFO 1/7 has given much attention to CEN Technical Committee 311, the most significant european de jure initiative about systems engineering, hosting a meeting and contributing to its working groups.

The national Committee has provided support to the Italian Authority for Informatics in Public Administration, raising awareness of the work done in SC7 and TC311 and acting as advisor for the definition of guidelines for public procurement of IT products and services.

UNINFO 1/7 is now reviewing its publication on software engineering standards and planning to present it at the 3rd "Objective Quality" Symposium on Software Quality Techniques and Acquisition criteria and at the next European Observatory on Software Engineering (CQS96).

JAPAN'S REPORT

SC7 related Activities in Japan

Date: May 27, 1996

Submitted to: SC7 Plenary in Prague

Source: Japan

1. Committee and Working Groups in Japan

2.

In accordance with ISO/IEC/JTC1/SC7, Japan has its own national committee and WG's. They are National SC7 Committee and its WG's. Japan has every WG's ISO/IEC/JTC1/SC7 has except for WG4. Currently WG6 takes charge of WG4. Activities of all WG's are very active. Until the end of last reporting period, Japan did not have its own national WG corresponding to ISO/IEC/JTC1/SC7/WG12 and national WG6 was also in charge. However, as the activities of ISO/IEC/JTC1/SC7/WG12 became more and more active and wider, demands for experts for the specific area increased. From this point of view, Japan decided to set up a national WG for ISO/IEC/JTC1/SC7/WG12 and make it study WG12 themes thoroughly. The committee and the WG's in Japan hold meetings around once in a every month and have ten to eleven meetings a year to study given themes. The number of the committee members is 22. There are ten to twenty members in every WG.

2. National Standardization

Many ISO/IEC/JTC1/SC7 standards are adopted as Japanese standards (JIS) translating them into Japanese without any changes. Within this reporting period, the following ISO standards have been published as JIS standards or preparing for establishment as JIS. (1) JIS standards that are already published -ISO/IEC 11411 Representation for human communication of state transition of software -ISO/IEC DIS 14568 Diagram eXchange Language for tree-structure charts DIS 14568 has been established as the JIS standard beforehand of ISO standardization. (2) JIS standard that are in progress for publication -ISO/IEC 14102 Evaluation and Selection of CASE Tools (this will be published with some parts in original English). -ISO/IEC 12207 Software Life cycle Process

NORWAY National Body Activity Report 1996

Country Norway

National Body Norges Standardiseringsforbund (NSF)
The National Secretariat for IT-Standardization in the
Norwegian Technology Standards Institution (NTS)
takes, on behalf of NSF, care of all matters
related to the committee.

National Committee Norwegian Reference Group ISO/IEC JTC 1/SC 7

Size: May 1996: 33

Activities: There has been two experts from Norway in Working
Group 10 (Process Assessment) the last year. They
have attended meetings in Brisbane and South
Africa.

Norway has for the last year had the project editor for
Project 7.13.02.03 (14598-3, Software Product
Evaluation - Part 3: Process for Developer's
guide). Due to lack of funding the editor has been
forced to retire.

On a national level there seems to be little interest in the
work being done in SC7. Initiatives to raise the
awareness of the important work being done in SC7
will be taken in 1996.

Contact: Leader of Reference Group: Mr. Sven H. Andersen
Secretariat: National Secretariat for IT-Standardization
(NTS/IT)

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**United States National Body Report
to ISO/IEC JTC 1/SC7**

May 1996

Since the Brisbane plenary, the United States Technical Advisory Group for SC7 has met three times supplemented by 7 teleconferences. The Technical Advisory Group consists of representatives from 29 organizations and has parallel activities for each SC7 working group.

This past year technical contributions were made to Software Life Cycle Process Information Products, Adoption of CASE Tools, System Life Cycle Processes, Software Maintenance, Software Integrity Levels, Software Process Assessment, Software Product Evaluation - General Guide, Software Engineering Data Definition and Representation, and the Functional Size Measurement.

Contributions were made to the ad hoc group on Process Measurement and ad hoc group on tool certification.

The United States sent delegates and technical experts to the working group meetings in Budapest (WG2), Dublin (WG4, WG6, WG12), Durban (WG7, WG8), and (Johannesburg, Paris) WG10.

The United States continues its strong commitment to Life Cycle Processes. The publication of ISO/IEC 12207, Software Life Cycle Processes is applauded. The initiation of the system life cycle processes project has our full commitment. It is vital that the SC7 program of work be build around the central role of life cycle processes.

In the United States, we have ongoing initiatives to harmonize on a single standard for software life cycle processes and to publicize the importance of the SC7 issues through published papers and presentations given to industry associations. Initiatives are active in the following areas:

- Planning for Software Engineering Standards

The IEEE has 14 active groups developing statement of directions including the following: formal methods, object-oriented methods, process measurement, software and system architecture, software reliability, software safety, software risk management, software reuse.

- Adoption of ISO/IEC 12207.

A joint EIA and IEEE activity is in progress to do an industrial implementation of ISO/IEC 12207, Software Life Cycle Processes.

- New Work Item

Framework for software process measurement
Reference model for software engineering environment.

The United States is committed, by its active participation and contributions to the program of work of JTC1/SC7, to produce JTC1/SC7 software engineering standards in a timely manner that are useful and meet the needs of all SC7 members. The United

States has plans in place for hosting the 1997 SC7 Meeting in Walnut Creek, California (near San Francisco).

ANNEX D: Conveners Reports

WG 4 Convener's Report Prague Plenary

1. Participants included delegates from Canada, Czech Republic, France, Italy, Korea, and the United States.
2. Comments provided on the PDTR registration for 7.32, *CASE Adoption* were processed. All but one of the comments from the 4 countries making comments were resolved. The lone remaining comment cannot be resolved.
3. The *CASE Adoption* PDTR was revised to reflect the comment resolution.
4. The Project Requirements Document for *CASE Adoption*, was updated.
5. A report on the WG4 Study Period was developed and distributed to attendees.
6. The Convener reported the USNB decision to extend the balloting period on the SEE Reference Model NP proposal for 3 months.
7. The head of the Italian delegation met with WG4 to explain the Italian position on the study period and proposed new work item. A constructive discussion followed.
8. Informative presentations on Czech efforts in the area of tool use and software certification were provided by the Czech delegates.
9. In anticipation of eventual approval of the SEE Reference Model NP proposal, a draft PRD for that effort was discussed and revised.
10. A spirited discussion of approaches to tool compliance standards, and the feasibility of such standards was held. It was agreed to request a study period to investigate the feasibility of developing such standards.
11. Upcoming events:

Events relating to 7.32 are identified in the revised PRD.

Comments on the study report and NP proposal ballots should be received by early October.

The WG4 interim meeting, which will be held during the Fall in the Northern Hemisphere, and accordingly, during the Spring of our friends from the South, is scheduled for Ottawa, October 21-26.

Results of the TR ballot for 7.32 will be available during January, 1997.

12. WG4 wishes to express its gratitude to the Czech government, the Czech delegation, to the personnel of Tours and Meetings, and to the many others who did such an outstanding job to make SC7 feel welcome and to fully support our efforts in every way possible.

**SC7/WG7 REPORT TO THE SC7 PLENARY
PRAGUE, CZECH REPUBLIC
31 MAY 1996**

1. Thank you Mr. Chairman and Mr. Secretary.
2. WG7 thanks the Czech Republic for the hospitality.
- 3.. WG7 met 27-31 May 1996. 16 delegates from 9 countries were present. They were from Australia, Czech Republic, France, Japan, Korea, Sweden, UK, and USA.
4. WG7 has 4 projects in progress:
 - Guide for ISO/IEC 12207:
This is a PDTR The ballots close on 10 June 96. Over 200 comments were received so far. Most of the comments were resolved. WG7 does not anticipate any major changes. The next step is to move the guide to DTR.
 - Guide on Mockup and prototype:
This is also a PDTR. The ballots close on 10 June 96. Over 100 comments were received so far. Most of the comments were resolved. WG7 does not anticipate any major changes. The next step is to move the guide to DTR.
 - Software Maintenance:
This is a relatively new project. Comments on the first WD were resolved. The editor Mr. Tom Pigosky will prepare the second WD for WG7 review.
 - System Life Cycle Processes Standard:
This project was approved by JTC1 last month. WG7 met and discussed this project for the first time here at this Plenary. WG7 made good progress toward an understanding of the life cycle framework and the proposed processes in the life cycle.
4. WG7 has one study group on software process measurement under the leadership of Mr. John McGarry of USA. The Study Group has planned to provide a report with recommendations to SC7 by 31 December 1996.
5. WG7 submitted 3 resolutions for SC7's consideration:
 - Appointment of Mr. Stuart Arnold of UK as co-editor of System Life Cycle Processes Standard;

- Extension of the performance period for the Study Group on Software Process Measurement to 31 December 1996.

- Possibility for the NATO to establish a Category C liaison with WG7.

6. WG7 expresses its best wishes to Dr. Wolfgang Heidrich on his retirement. WG7 thanks him very much for his contributions to the WG7 projects.

7. WG7 is saddened to learn of the death of Mr. Jean Claude Utter. His contributions to the WG7 standards are gratefully acknowledged. WG7 expresses condolences to Mr. Utter's family and friends.

8. WG7 agreed to meet in Paris, France on 11-15 Nov 1996.

9. WG7 adjourned at 11 AM today.

ISO/IEC JTC1/SC7/WG8 Conveners Report

Prague Czech Republic
May 27-31, 1996

Twelve delegates representing seven countries attended this meeting of Working Group 8. The items that were discussed and worked on were:

Project 7.23 Configuration Management

The fourth CD ballot for this project will close June 4, 1996. All comments that were available from member countries were processed at this meeting. It is expected that a DIS will be published by the end 1996.

Project 7.27.03 Software Quality Assurance, 7.27.04, V&V and 7.27.05, Reviews and Audits.

Only planning and coordination activities occurred on these projects. These project will be deferred until TC176 reaches disposition on the I?SO 9000-3 project. Additional direction concerning the disposition of the V&V project was included in the WG8 resolutions.

Project 7.27.02 Software Project Management

A detailed plan was prepared and agreed to by all countries on how to proceed with this project in order to produce a committee draft in a timely manner.

Resolutions

WG8 proposed 5 resolutions to the SC7 plenary for considerations. The documentation of these resolution may be found in the resolutions of the Plenary Meeting.

Next Meeting

It is planned that the next meeting of this working group will be in conjunction with the TC176 meeting. A firm meeting plan will be available to all members by July 4, 1996.

Working Group 8 would like to thank the Czech Republic for hosting this meeting and providing excellent support.

John Phippen and Stan Magee.

ISO/IEC JTC1/SC7 WG12 - Functional Size Measurement

1996 PLENARY - PRAGUE -

4th MEETING WG12 - 26th to 31st May.

CONVENOR'S REPORT

Working Group 12 met during the SC7 Plenary in Prague, from 26 to 31 May, 1996.

WG12 once again had a successful meeting with all programmed work being completed. The membership of WG12 continues to grow, with the addition of Denmark at this meeting,. Twenty experts from 11 national bodies attended this week.

The topics for discussion were the 5 parts of the Functional Size Measurement standard (Project 7.31) and the development of formal procedures for the management of comments on working documents.

Preliminary national body comments and concerns for DIS 14143 were discussed. This was not in order to resolve comments prematurely, but to clarify issues of concern and ambiguities to assist national body voting. Over 100 comments were tabled. As a result of the discussions this week, it is anticipated that this DIS will be able to be submitted to JTC1 in September this year for publication as an International Standard.

Parts 2, 3, 4, and 5 are all at preliminary working draft status and this week's discussions have provided valuable guidance on their progression. It is anticipated that Working Drafts can be registered later this year for Parts 2 and 3.

WG12 has also undertaken to develop a formal structure for the development of standards and technical reports incorporating a listserver. This draft procedure was discussed and amended and will be trialled for the next 6 months, when a review will be undertaken at the November meeting of WG12. It is hoped that if successful, the procedure could be submitted to SC7 at the 1997 Plenary for consideration for adoption by other working groups.

The next meeting of WG12 is in Amsterdam from 26 to 31 November, 1996.

WG 12 expresses its appreciation of the Czech national Body and Dr Vanicek for the hosting of this meeting.

Hugo Rehesaar
WG12 Convenor
31 May, 1996

ANNEX E: Australian Proposal Links with TC 176 SC2

Link with ISO TC176 SC2 - Australian Proposal - SC7 AG 26 May 1996 Praha

1. Due to conflicting schedules, it was very difficult to hold productive working meetings of WG8 in Durban South Africa. The Project management group was fully involved with the SC2 WG resolving comments on the CD of 10006 and the QA group was fully committed to the comment resolution in WG17 of the CD9000.3. This latter group also occupied a lot of time of the Convener as well. The rest of the convener's time was involved with the discussions relating to the Specifications of the next version of ISO 9000 series (Planned for release in year 2000). This was one reason for the lack of productive work of WG8, another was that many of the smaller nations opted to accredit their delegates to TC176 rather than to SC7.
2. It was also hoped that the relevant TC176 WGs would join us here in the beautiful city of Praha for our Plenary and WG meetings, but TC176 declined to accept this invitation thereby adding an additional travel burden for the smaller nations to attend the TC176 SC2 meeting in London in late June.
3. The status of the three TC176 documents relevant is as follows: a) Specification: Approved with minor discussions required in June. b) DIS 10006 out for ballot as inquiry Draft comment resolution to be conducted in November meeting. c) CD 9000.3.2 still not stable enough for DIS and if sent for a third CD ballot, will not be completed by the meeting. Suggestion is that the project will be cancelled. Therefore little practical result can be achieved by a joint meeting of the two WG with TC176 SC2.
4. The Australian National Body, taking into account the above is willing to host the October November meetings of WGs 7 and 8, at the Headquarters of Standards Australia in Sydney Australia at a date to be agreed by SC7 possibly the week after the scheduled TC176 meeting.

ANNEX F: Resolution discussed at the AG meeting on 12207 as an SC7 Strategic Document

Proposed resolution

Background

An engineering discipline has the following characteristics: (1) a problem solving paradigm, (2) methods, techniques and criteria for performing design analysis and tradeoffs, and (3) ability to specify quality attributes in customer terms and determine the attainment of those quality attributes in a repeatable manner.

In 1989 JTC1/SC7 initiated work on Project 7.21, Software Life cycle processes. The result of that project, ISO/IEC 12207, International Standard for Software life cycle processes, provides a problem solving paradigm for software engineering.

In 1994, SC7 approved resolution 362 Process Architecture which reads: JTC1/SC7 instructs its working groups that are developing standards and technical reports to be consistent with its Software Life-cycle Process Standards.

With the completion of ISO/IEC 12207, JTC1/SC7 has an opportunity to identify a distinctive feature of its product line of standards and technical reports. To that end the following resolution is proposed.

Resolution Text

JTC1/SC7 endorses ISO/IEC 12207, Information technology - Software life cycle processes, as a strategic document and the sole source of technical scope definition and requirements for standardizing software life cycle processes in the SC7 program of work. A strategic document sets the overall requirements for a given area. Supporting documents in the given area will not conflict with the strategic document.

ANNEX G: PRAGUE PLENARY DOCUMENT REGISTER

PLENARY REF. #	TITLE	SC7 #
PRAGUE-1	SC7 Secretariat Report	N1497
PRAGUE-2	Irish National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-3	Italian National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-4	US National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-5	Norway National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-6	Resolution discussed at the AG meeting on 12207 as an SC7 Strategic Document	Part of N1628 (ANNEX F)
PRAGUE-7	CANCELLED	
PRAGUE-8	Australian Proposal Links with TC 176 SC2	Part of N1628 (ANNEX E)
PRAGUE-9	Letter of resignation of WG8 convenor	On file
PRAGUE-10	Letter of resignation of Vocabulary Liaison	On file
PRAGUE-11	[CANCELED]	
PRAGUE-12	Report of BPG to AG	Part of N1627
PRAGUE-13	Disposition of comments contained in JTC1 N3377	N1524
PRAGUE-14	DTR 14399	Sent to ITTF
PRAGUE-15	Japan National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-16	Canada National Body Rp.	Part of N1628 (ANNEX C)
PRAGUE-17	Report of Study Group on S/W Eng. Environment	N1529

PRAGUE-18	Revised PRD for Project 07.32	N1636
PRAGUE-19	Proxy from Belgian National Body to Germany	On file
PRAGUE-20	Proxy from Israel National Body to Australia	On file
PRAGUE-21	WG4 Convener Report	N1628(ANNEX D)
PRAGUE-22	Schedule for project 07.32	Integrated in N1629R
PRAGUE-23	Process Measurement Study Group Plan	N1531
PRAGUE-24	WG12 Covener Report	N1628(ANNEX D)
PRAGUE-25	Proposal for a Study Period to Investigate the Feasibility of Developing Standards in the Area of Tool Compliance	N1530
PRAGUE-26	WG8 Convener Report	N1628 (ANNEX D)
PRAGUE-27	WG7 Convener Report	N1628(ANNEX D)
PRAGUE-28	Rationale for Modification of the SC7 Terms of Reference	N1532
PRAGUE-29 to PRAGUE-32	WG11 CD's and WD's	N1540 to 1553
PRAGUE-33	Project 07.28 Document and Project Register	N1539