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**SC7/WG11
DRAFT**

SC7 Software Engineering

SC7 WG11 N____

**Software Engineering
Data Definition and Representation**

**JTC1/SC7/WG11
Meeting #6
Aomori, Japan
October 23-27, 1995**

DRAFT MINUTES

Projects: 7.19 , 7.28 , 7.33 , 7.34

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1. Introduction and Welcome.

Dr. Yoshikazu Yamamoto welcomed the WG11 attendees. He also announced that unfortunately Peter Eirich, the SC7/WG11 Convener, is not able to attend the Aomori meeting, and had asked him to act as a temporary convener in Aomori meeting. This was approved by all attendees.

1.1. Introduction of Meeting Participants

Yoshikazu Yamamoto	Japan
Hironobu Nagano	Japan
Katsuyasu Toyama	Japan
Jun Ginbayashi	Japan
Sadatoshi Kumagai	Japan
Jean Berube	Canada
Hugh Davis	UK
Bernd Baumgarten	Germany
Jonathan Billigton	Australia
Kazuo Yabuta	Japan

(the order of self-introduction)

1.2. Message from the Host

Welcome message by the president of Fujitsu Aomori System Engineering Inc.
Guided tour of the building by Mr. K. Yabuto.

1.3 Opening remarks

1.3.1 National body remarks

[Japan] Japanese National Body has revised CD14568, Diagram eXchange Language for tree structured charts, and sent it to the SC7 secretariat for DIS ballot.

[Canada] Canadian National Body made no remarks

[Germany] German National Body announced that it voted 'no with comments' for the CD ballot for DXL.

[UK] UK National Body worried about the CDIF status and WG11 administration such that the WG11 convener does not appear.

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1.3.2 Liaison report (AOM-3)

(1) PCTE (by Mr. H. Davis)

Mr. H. Davis reported the status of ECMA TC33 and JTC1/SC22/WG22. He explained that if CDIF becomes international standard, it will be the base of the PCTE schema for software engineering. Mr. H. Davis also reported that the future joint JTC1/SC22/WG22 and ECMA TC33 meetings will be held in Makuhari, Japan on Nov. 13 to 15, 1995.

(2) JTC1/SC21/WG3 (by Mr. J. Berube)

First Mr. J. Berube explained that CDIF will be the base of IRDS content module for software engineering. Next he reported that IRDS Binding was approved, and that UK proposed a metamodel for data modeling IDEF1x, which Mr. J. Berube suggested is WG11's work.

He also reported that the SQL call interface for IRDS is standardized, and that the future work of IRDS was discussed, such as SQL3.

(3) ISO TC184 (by Mr. J. Berube)

There has been no contact with and no response to TC184.

(4) ISO TC93

No report because Mr. P. Eirich does not attend this meeting.

(5) SC18/WG9 (by Dr. Y. Yamamoto)

ICON standard discussed in SC18/WG9 has 6 parts. WG9 started to develop the part 4 which describes control. Dr. Y. Yamamoto suggested that this is related to Project 7.33, conventions for usage of symbols and menus. The different point is that SC18/WG9 tries to define the symbol itself.

2. Meeting Administration

2.1. Appointment of Meeting Secretary

In the absence of the regular WG Secretary, meeting secretary is temporarily assigned to Mr. K. Toyama.

2.2. Identification and Assignment of Documents

The identification, numbering, and assignment of documents to the agenda was agreed to and was completed.

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2.3. Review of Minutes from Brisbane meeting

The draft minutes were reviewed and adopted.

2.4. Review of Action Items from Brisbane meeting

The Action Item list was reviewed and updated to indicate the present status of each item (see AOM-10).

Added item 31 is that the WG11 secretariat, Mr. J. Williamson, should inquire about electronical distribution of documents in SC7.

3. Petri net

3.1 Subdivision of Project 7.19 (AOM-05)

According to SC7 Resolution 433, Mr. J. Billington had prepared a subdivision proposal to be circulated in SC7. This proposal has been already sent to the SC7 secretariat, and is currently in the process of balloting by 3 Jan. 1996. Mr. J. Billington explained the proposal, especially the necessity for the subdivision. Mr. H. Davis raised the question about how to gather the participants. Mr. J. Billington was assigned the task to ask the Petri net community or National Bodies to join the project after the subdivision is approved.

Dr. Y. Yamamoto suggested the importance of defining the boundary of the standard. Mr. H. Nagano insisted that it is important to do the experiment of transfer and feedback its results to the transfer format, back and forth. Mr. J. Berube also stated that both processes should be done in parallel.

Mr. J. Berube made an editorial comment on the proposed schedule, but the convener decided to leave the schedule as it is, and modify it later. The convener pointed out that the benefit section describes only the benefits of Petri net itself, not the benefits of standardizing Petri net. Mr. J. Billington will reflect the comment.

Mr. J. Berube asked why the Petri net project should liaise with SC7/WG9 and TC56. Mr. J. Berube and Mr. H. Davis insisted that liaison is not necessary if they do not have to work together on the same standard. Mr. J. Billington will rewrite section 6 to reflect Mr. J. Berube and Mr. H. Davis's comments. Mr. J. Billington will send this document after revision to SC7 by the end of this year.

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3.2 Petri net Standard Working Draft

Mr. J. Billington explained the organization of AOM-6, and then Mr. B. Baumgarten made a presentation about the Petri net standard so that members are able to understand it.

Some members had a question whether or not mathematical expressions are suitable for a standard.

Mr. K. Yabuto suggested that equations should be accompanied with explanation in natural language.

Mr. H. Nagano insists that new terms such as 'high-level net' should be placed in the definition section. Dr. Y. Yamamoto suggested that sections 5,6, and 7 should be re-organized.

Mr. J. Berube recommended the use of consistent examples.

Petri net experts discussed the technical topics about High Level Nets, such as the definition of token, transition, and firing, the definition of multiset operators.

Mr. J. Berube proposed the organization of the Working Draft, and insisted on clarification of the audience of the standard, contents, and conformance.

Mr. J. Billington and Mr. B. Baumgarten re-organized the structure of the Petri net WD according to the comments, and presented the revised document architecture (AOM-16).

[Action Item]

Australian NB submits the revised working draft that reflects the comments on AOM-05 and AOM-06 to the WG11 secretariat by the end of March, in order to circulate it to the NB before the next WG11 meeting in Prague, May 96.

4. CDIF

Mr. J. Berube explained AOM-07 which was forwarded to CDIF, but he has not received any response from CDIF. Mr. J. Berube reported that Paolo Puncello of Italy had agreed that he would be the liaison from WG11 to CDIF. Mr. J. Berube also reported that both WG11 and CDIF have not signed the MOU.

Mr. H. Davis reported that CDIF has meetings every two months, and is currently interested in OOA&D extension. Recently the CDIF chairman and vice chairman changed; chairman is Shaike Artsy, vice chairman is Johannes Ernst. Mr. H. Davis had sent an e-mail asking the CDIF status, but could get no response from CDIF. Mr. H. Davis reported that CDIF wishes to colocate with WG11 meetings in 1996 and suggested that WG11 invite CDIF in Prague, May 96.

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Therefore, the formal actions to be taken were discussed.

Mr. J. Berube summarized the issues to be solved in terms of CDIF:

- (1) CDIF group --- status
- (2) Editor --- Publication of CDIF Working Draft
- (3) Agreement with CDIF ---- MOU
- (4) Action Plan -- What and How can we do ?
- (5) Meeting Schedule of WG11 and CDIF

[action item]

Mr. J. Berube sends a letter to CDIF chair asking him to make clear the status of CDIF.

Mr. J. Berube sends a letter to Mr. P. Eirich and Shaik Artsy concerning MOU.

Mr. J. Berube asks Paolo to provide the report of the liaison with CDIF.

Mr. J. Berube contacts with the CDIF editors thru CDIF chair about distribution status.

Mr. J. Berube asks SC7 secretariat whether it is possible to invite CDIF people to Prague meeting and Ottawa meeting (Nov. 21 -25, 1996).

5. Convention for usage of menus and symbols

Dr. Y. Yamamoto explained AOM-08, AOM 14, and AOM 15, especially historical reason to discuss the convention for the usage of symbols and menus in this working group.

The relationship between SC7/WG11 and SC18/WG9, and the relationship between this project and other WG11 project was discussed. AOM-17, which proposed this project in March 1992, was provided by Mr. H. Davis in order to clarify the scope of SC18/WG9 and SC7/WG11 (formally WG1).

Mr. B. Baumgarten and Mr. H. Davis made some technical and editorial comments.

[Action Item]

Dr. Y. Yamamoto prepares the cover letter from Japanese National Body which contains the allocation between SC18/WG9 and SC7/WG11 concerning the Project 7.33, and sends it to SC7 and SC18/WG9 Secretariat by the end of December.

6. DXL

HT reported the current status of DXL, and distributed the DXL documents for information (AOM-18, AOM-19).

7. Management

7.1 WG11 Management Process

There was considerable discussion of management difficulties being experienced in WG11. A major concern expressed by all National Bodies was the lack of a convener for the past twelve months.

It was agreed by all National Bodies, that for the proper conduct of WG11, one of the following outcomes is required urgently:

- (1) The current convener needs to commit to attending WG11 meetings, with enough resources to carry out his duties.
- (2) A new convener from US is appointed.
- (3) A new convener from another National Body is appointed.

It was noted that not having a convener made collaboration with CDIF more difficult.

Particular difficulties have been experienced with:

- (1) the MOU not being signed since its formulation in the Ottawa meeting, June 94.
- (2) the plan and process for proceeding with CDIF was discussed in the Bonn meeting, November 94, but not documented.
- (3) no effective collaboration with CDIF since the Bonn meeting, November 94:
 - incomplete and late delivery of documents,
 - no status reports, no response to e-mail messages,
 - no response to WG11 comments on CDIF documents.

The meeting resolved that a letter should be sent by WG11 to the SC7 Secretariat, with a copy to the Head of the US Delegation, asking that the convenership question be resolved at the earliest opportunity.

[Action Item]

Dr. Y. Yamamoto to send a letter to SC7 Secretariat concerning WG11 administration.

7.2 Management of Project 7.19

Re-organization of Project 7.19 was discussed, relating to the subdivision for Petri net project. The relationship between 7.19 and 7.28 was also discussed.

[Action Item]

Mr. J. Berube to prepare the document describing the idea about relationship between Project 7.19 and Project 7.28, (action item 005)

7.3 Subdivision of Project 7.19

[Action Item]

Mr. J. Billington to send a letter to SC7 Secretariat to certify the assignment of the Petri net project to WG11, because this NP vote is intended to clarify the Petri net is a part of the project 7.19, not an ordinal NP vote.

7.4 Future Meeting Schedule

Future meetings of WG11 are as follows:

Prague, Czech	May 27 - 31, 1996
Ottawa, Canada	Nov. 21 - 25, 1996
?, US	Jun., 1997

Formal invitation for the fall meeting in 1997 is strongly requested from some European countries.

8. Adjournment

Members of WG11 noted their appreciation for the work performed this week by the WG11 temporary convener, Prof. Yoshikazu Yamamoto

Members of WG11 noted their appreciation for the support to the meeting by Fujitsu Limited.