DRAFT MINUTES OF MEETING OF
ISO/IEC JTC1/SC22/WG11

Place: IBM South Bank Offices
          Room GC3
          76-78, Upper Ground
          London
          ENGLAND Telephone: 01 928 1777

Date: October 10-12, 1989

Attendees: Mr. Edward Barkmeyer (US)
              Mr. Paul Barnetson (UK)
              Mr. Jean Bourgain (France)
              Mr. Jon Diamond (UK)
              Mr. Ken Edwards (US)
              Mr. David Joslin (UK)
              Mr. Bertrand Leroy (France)
              Mr. Brian Meek (UK)
              Mr. Ken Meyer (UK)
              Mr. Don Nelson, Convenor (US)
              Mr. Willem Wakker (NL)
              Mr. Brian Wichmann (UK)

1. Approval of agenda

    a   WG11 N146 - Draft Agenda for October 1989 WG11 Meeting

        Mr. Barnetson's telephone number was corrected, the meeting room was corrected, original item 8 c was moved to item 3, items that were handed out at the meeting were added, and other slight modifications were made. The agenda was approved as modified. The approved agenda was

2. Approval of Minutes of Previous Meeting

    a. WG11 N148 -Draft Minutes of April 1989 WG11 Meeting

        No changes were made. The minutes were approved.

3. Convenor report

    a. General.

        There was little to report other than the SC22 Plenary activity shown below.

    b. SC22 Plenary Results

        (1) WG11 N143 - Final Report to the ISO/IEC JTC1/SC22 Plenary

It was noted that the project editor for LCAS is not Mr. Barnetson as stated in N143, but instead are Ms. Mary Payne and Mr. Craig Schaffert of the US and Mr. Brian Wichmann of the UK.

There seemed to be some verbal support for more participation in WG11 by countries other than the US, UK, and the Netherlands. Any other major points are covered in the resolutions summary below.

(2) WG11 N147 - Resolutions of Berlin SC22 Plenary 1989-89-26/29

The resolution on copyrights does not seem to impact WG11. However, care must be taken in future draft standards to ensure that there is not a problem.

The distribution of WG11 documents will enlarge. However, the convenor does not have the addresses of the necessary people. The member bodies are supposed to provide these.

The resolution on membership of WGs (which came mainly from N143 above) might improve participation of other countries. Note that representatives from France attended this meeting.

The resolution on remote procedure calls will require the WG11 convenor to contact the other groups to ensure that there are no conflicts. WG11 members who are familiar with these other groups say ~~there are no conflicts and~~ that the other groups are aware of WG11's activity.

4. National Activity Report

   a. BSI IST/5/11

   The group had one meeting one week prior to the WG11 meeting. They reviewed some of the documents for this WG11 meeting. Nothing of note took place. IST/5 circulates important WG11 documents for comment with some success. The panel is small, however.

   b. ANSI X3T2

   The WG11 discussions were somehow left out of the minutes for the July X3T2 meeting. ~~Most of their efforts are~~ now oriented towards SC21/WG6 ~~work.~~

   Mr. Ken Edwards of IBM was officially nominated as project editor for CLIPC.

   CLIDT was discussed. There was some concern about the X3J4 (COBOL) comments on CLIDT and CLIPC.

   There is a problem with trying to figure out where in X3 the remote procedure call TAG should be. Currently, X3T5 is working on it.

There are almost no language committee members on X3T5, which gives it a slant towards protocols and hardware rather than languages.

Nothing was done on the LCAS (WG11 N144).

   c.   AFNOR/CG 97/CN 22/GE 11

Concern was expressed on making the LCAS independent from hardware. Mr. Wichmann said that was the intent, but it may not have been clear.

5.   Work Item 22.14 - Language Bindings Guidelines

   a.   SC22/N466 Guidelines for Language Bindings (proposed DTR).

A new version was sent to the convenor by Ms. Sparks. This will be sent to the SC22 Secretariat for registration as a DTR and IEC/JTC 1 and SC22 approval.

The updated replies to the comments on the review will be sent to SC22.

   b.   Milestones

06.00	88-02-17	88-02-17	Proposed DTR ballot initiated within SC
06.01	88-05-31	88-05-31	Proposed DTR ballot within SC closes
06.02	89-11-01		DTR registered at ISO
06.03	89-11-10		DTR ballot initiated within TC
06.04	90-05-10		DTR ballot within TC closes
06.05			DTR text submitted to ISO/CS
06.06			DTR text submitted to ISO Council for accep.

6.   Work Item 22.16 - Common Procedure Calling Mechanism (CLIPCM)

   a.   WG11 N57 - Common Language-Independent Procedure Call - General Description.

This is on the agenda as the base document. No action was taken on it

   b.   WG11 N140 - Common Language-Independent Procedure Calling Mechanism - What is the standard for? (Meek)

This was reviewed and no specific action was taken (it is information only).

   c.   Project Editor

Mr. Ken Edwards of the US is the new project editor. He indicated that he would start work on a draft and hopes to have one ready by the first of next year. As can be seen by the following milestones, the schedule is somewhat ambitious.

It was noted that a method of "call and proceed" for asynchronous processing needs to be included.

d. Milestones

01.02	90-01-15	WD comment period initiated within SC
01.03	90-05-15	WD comment period within SC closes
01.04	90-08-15	WD ballot initiated within SC
01.05	90-11-15	WD ballot within SC closes
02.00	90-12-15	DP registered at ISO/CS

7. Work Item 22.17 - Common Data Types

a. Language Compatible Arithmetic Standard (LCAS)

(1) Status of project

The negative vote from France on the SC22 ballot to add a Language-Independent Arithmetic Standard was resolved and a vote went to JTC1. There seem to be some problems with this ballot. There is concern that other standards cover this. Also, some think that the LCAS dictates hardware. None of this is true, so WG11 will have to undertake an education effort.

WG11 will circulate the latest draft to the member bodies for their comments. They are to comment to one of the three editors. WG11 would like to know if the member bodies look favorably or unfavorably on the document.

(2) WG11 N144 - Proposal for a Language Compatible Arithmetic Standard - Version 2.2 (ANSI X3T2/89-179).

The WG reviewed this document. Some changes were suggested based on the following documents.

(3) WG11 N149 - Comments on Version 2.2, X3T2/89-179 (LCAS - WG11 N144) (Gries - T2/89-185)

These comments were made available at the meeting and were reviewed by WG11. No specific action was taken.

(4) WG11 N150 - Misc. Comments on LCAS (Misc.)

These comments were made available at the meeting and were reviewed by WG11. No specific action was taken.

(5) Milestones

00.03	88-10-05	88-10-05	NWI ballot initiated within SC
00.04	89-01-20	89-11-20	NWI ballot within SC closes
01.02	90-01-15		WD comment period initiated within SC
01.03	90-05-15		WD comment period within SC closes
01.04			WD ballot initiated within SC
01.05			WD ballot within SC closes
02.00			DP registered at ISO/CS

b.   Common Language-Independent Data Types (CLIDT)

(1)   Status of Project

An incomplete working draft is available. See the comments on the following papers for its status.

It was felt that a draft should be circulated to the member bodies for comment as for the LCAS, above.

(2)   WG11 N137 - Common Language-Independent Datatypes - Working Draft #2 (Barkmeyer - ANSI X3T2/89-137)

This was discussed at length. There were some differences on the various classes of datatypes (are list and array the same?). No specific direction was taken in this regard. It was felt that the mapping rules must be clearly defined. That is, how language committees should define them. Also, mappings to ISO-RPC types and to common vendor internal types should be covered in some way. Mainly, it was felt that it must be possible to make such mappings.

Most of the discussions on this document were led by the following papers.

(3)   WG11 N138 - Personal Comments on Common Language-Independent Datatypes (Barkmeyer - ANSI X3T2/89-157)

This was discussed and some direction was given.

(4)   WG11 N139 - Common Language-Independent Datatypes Editor's Notes for Working Draft #2 (Barkmeyer - ANSI X3T2/89-120)

This was discussed and some direction was given.

(5)   WG11 N145 - Comments on X3T2/89-118 (WG11 N137) CLIDT WD#2 (Joslin)

This was discussed and some direction was given.

(6)   WG11 N151 - Proposed Additions to CLIDT Standard (WG11 N137) (Greengrass - T2/89-180)

This was discussed and it was decided that the suggested detail was not needed.

(7)   WG11 N152 - More Comments on CLIDT (WG11 N137) (Misc - T2/89-181)

This document was a grouping of electronic mail messages. Most indicated that what is trying to be done is still not understood.

(8)   WG11 N153 - FORTRAN 77 and CLID - An Illustrated Statement of Requirements

(Meek)

This was provided at the meeting and was not discussed at length.

(9) Milestones.

01.02	90-01-15	WD comment period initiated within SC
01.03	90-05-15	WD comment period within SC closes
01.04	90-06-15	WD ballot initiated within SC
01.05	90-10-15	WD ballot within SC closes
02.00		DP registered at ISO/CS

8. Other business

   a. Liaison mechanism

   SC22 was informed of the lack of participants to accomplish the necessary liaison. Some member bodies indicated that they might try to find volunteers for this.

   b. Registration of prefixes

   This needs complex approvals. We would have to created an SC22 work item for forming a register of name prefixes and producing such a register. We also have to find an organization willing to accept the responsibility of maintaining the prefix list. Various WG11 members are looking into this.

   c. Marketing to the Language Community

   WG11 will have to create a document that explains what we are trying to accomplish, what is expected of the language committees, and addresses the concerns that we have heard already. This will have to be submitted to the language committees at SC22 and by the national bodies.

9. Meeting schedule

   May 30 to June 2, 1990 - Teeside Polytechnic, Middlesbrough, UK. - host Mr. Joslin.

   November 27-29, 1990 (tentative) - Location and host unknown (probably somewhere in the US). This date is based on progress in January 1990 and a firm date will be set in February 1990.

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