DECEMBER 1987

TITLE: Draft Minutes of meeting of
ISO/IEC JTC1/SC22/WG11-Binding Techniques
held in Kansas City, USA, 1987-10-27/29

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ACTION: For information to SC22 Member Bodies.

DRAFT MINUTES OF MEETING OF
ISO/IEC JTC 1/SC 22/WG 11

Place: The Hyatt Regency - Crown Center
             Kansas City, Missouri USA

Date: October 27-29, 1987

Attendees: Mr. David Joslin, BSI (UK)
             Mr. Donald F. Nelson, Convenor (US)
             ANSI X3T2 Committee, ANSI (US)

1. Approval of agenda

   The agenda was modified slightly and approved.

2. Approval of Minutes of Previous Meeting

   The minutes of the previous meeting were approved.

3. Approval of convenor report

   a. Report of September 7-11 SC 22 Plenary

      (1) Mr. Nelson was appointed convenor (no longer interim).

      (2) Resolution 60 at that meeting requested WG 11 to:

          (a) continue liaison with appropriate working groups
              in SC21 and SC24.

          (b) develop where necessary and circulate to SC22
              working drafts of existing work items, at the
              earliest possible time in order to encourage
              broad participation in WG11, and

          (c) prepare and submit to the SC22 Secretariat a list of
              language bindings that will require SC22 individual
              language WG attention in the coming 18 months. [A
              list from Madeleine Sparks covering the bindings
              expected up to October 1988 has been submitted to
              the SC22 Secretariat.]

      (3) Resolution 61 at that meeting requested the language
          committees to consider the above list as a priority item
          and for them to appoint liaison representatives to
          the appropriate SC21 and SC24 WGs.

      (4) The minutes of the plenary are SC22 N405 and the
          resolutions are SC22 N406E.

   b. Mr. Nelson will send letters to the member bodies soliciting
      more active membership in WG11.

4. National Activity Report

    a. BSI IST/5/11

        Document WG11 N61 is their last report. Their next meeting is
        on December 16. They hope to have more than two members
        attending.

    b. ANSI X3T2

        A joint meeting was held. Document WG11 N72 is the minutes of
        their July meeting.

5. Work Item 22.14 - Language Bindings Guidelines

    a. WG 11 N50 - Changes to Guidelines for Lang. Bindings

    b. WG 11 N51 to N53 - Replies to AFNOR, ANSI and BSI comments

    c. WG 11 N58 - Comments on Changes to Guidelines

    d. WG 11 N62 - Amendments, changes to Guidelines

    e. WG 11 N68 - Comments from WG14 on graphics bindings

    The various comments and changes to the guidelines were discussed.
    A new version was provided by Ms. Sparks a few days before the
    meeting. Mr. Nelson will inform her of the changes made at this
    meeting and a "final" copy will be submitted to SC22 as a Draft
    Technical Report.

    The following motion was made by Mr. Joslin, seconded by Mr.
    Nelson, and passed unanimously: Moved that the Guidelines for
    Language Bindings be submitted to SC22 as a Draft Technical Report
    after a one month review of the version produced as a result of
    this meeting.

6. Work Item 22.16 - Common Procedure Calling Mechanism

    a. WG 11 N48 - Common Language-Independent Procedure Call -
                    Extended Pascal Binding

    b. WG 11 N49 - Common Language-Independent Procedure Call -
                    COBOL Binding

    c. WG 11 N56 - Common Language-Independent Procedure Call -
                    FORTRAN Binding

    d. WG 11 N57 - Common Language-Independent Procedure Call -
                    General Description

    The discussion of this topic was held at the joint meeting with
    X3T2. The meeting of X3T2 was temporarily adjourned, and a
    Committee of the Whole to include all X3T2 members present and Mr.

Nelson and Mr. Joslin was formed.

It was decided that the WG11 framework was good, but more work had to be done to describe the protocols from the applications layer on down if the mechanism is to be used for remote procedure calls. ANSI X3T2 will take on the responsibility for developing these protocols and WG11 will provide the standard for the procedure calls. These two parts will be combined for the final standard.

7. Work Item 22.17 - Common Data Types

   a. WG 11 N47 - Common Language-Independent Data Types

   b. WG 11 N66 - Common Language-Independent Set of Datatypes - Brian Meek

   c. WG 11 N67 - LOTOS executable standard library

   The discussion of this topic was held at the joint meeting with X3T2 (in the Committee of the Whole). Document N66 pointed out some problems with N47 and we all agreed that more abstraction was needed. Therefore, it was decided that the common data types must reference Abstract Syntax Notation One (ASN.1 - ISO 8824), and the description of the common data types would be based on WG11 N66 (Mr. Meek's paper). ANSI X3T2 will provide the working documents for a proposed standard.

8. Other business

   a. Liaison mechanism

      Little or nothing is being done in this area.

   b. Registration of prefixes

      WG11 will have to establish a registration of prefixes used in language bindings for graphics, SQL, and other products. Some bindings have already established such prefixes (C for CGI, G for GKS, P for PHIGS). Mr. Nelson will write a letter to SC21/SC24 committees about this topic.

9. Meeting schedule

   April 19-21 1988 -   Middlesbrough, Cleveland, England - host Mr. Joslin (meeting information attached)

   October 4-6 1988 -   Amsterdam, Netherlands - host Mr. Wakker.