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ISO/IEC JTC1/SC22
Programming Languages, their Environments and Systems Software Interfaces
Secretariat: CANADA (SCC)

Subcommittee 22 Chairman's Report
to the JTC 1 Plenary Meeting
23-26 March 1993

The last plenary of Subcommittee 22 was held in Ellivuori, Finland on 24-28 August 1992. The management report of that plenary is contained in document JTC 1 N 2183. That report covered all of the significant current issues in SC 22. This report will not repeat that information but will update the status of certain of those issues.

As reported in N 2183, the progress of the Lisp project in Working Group 16 had been unsatisfactory but WG 16 promised a working draft by the end of 1992. I am pleased to report that a working draft is now being circulated and SC 22 is in the process of determining whether this draft is suitable for CD registration.

We reported that the Modula-2 project was back on track. WG 13 has completed work on the committee draft and a second CD ballot in now being circulated in SC 22.

Second CD ballots are underway at this time for Common Language Independent Data Types (CLIDT) and for Language Independent Arithmetic Part 1, Integer and Floating Point, both in WG 11. WG 11 has also forwarded a working draft of Common Language Independent Procedure Calling (CLIPC) and SC 22 is determining whether to forward it for CD registration. In developing the CLIPC document, there has been extensive liaison with SC 21 regarding its Remote Procedure Call project (CD 11578).

A more extensive report will be made after the next SC 22 plenary on 20-24 September 1993 in Paris, France.
PART I: ADMINISTRATIVE

1.1 Title of SC
SC22, Programming languages, their environments and system software interfaces

1.2 Chairman
Robert Follett (USA) (10/91 N1071)

1.3 Secretariat
Canada, Standards Council of Canada

2. Area of Work
Standardization of programming languages, their environments and systems software interfaces such as:
- specification techniques; and
- common facilities and interfaces.

Excluded: specialized languages or environments assigned to the program of work of another Subcommittee or Technical Committee.

3. Membership

"P" Members
Austria, Belgium, Brazil, Bulgaria, Canada, China, Czechoslovakia, Denmark, Finland, France, Germany, Greece, Iran, Italy, Japan, Netherlands, New Zealand, Romania, Sweden, Switzerland, UK, USA, USSR

"O" Members
Argentina, Australia, Cuba, Hungary, Iceland, India, Korea, Poland, Portugal, Singapore, Turkey, Thailand, Yugoslavia

ISO Liaisons
JTC1/SC1, SC2, SC7, SC18, SC21, SC24, SC26, SC27

External Category A Liaisons
CCE, ITU, ECMA

1
4. Working Groups

4.1 WG2
Convenor
D. Joslin (UK) (1990 - N823)
Development of ISO standards for Programming Language Pascal and Extended Pascal

4.2 WG3
Convenor
L. Dickey (Canada) (1991 - N1053)
Development of ISO standards for Programming Language APL and Extended APL

4.3 WG4
Convenor
A. Wallace (USA) (1991 - N1053)
Coordinate the development of ISO standards for Programming Language COBOL
Coordinate the development of draft amendments for language extensions to ISO 1989
Coordinate the development of draft amendment for a database facility for ISO 1989

4.4 WG5
Convenor
J. Martin (USA) (1991 - N1053)
Coordinate the revision of ISO 1539 - Programming Language Fortran

4.5 WG8
Convenor
T. Kurtz (USA) (1991 - N1053)
Development of ISO standards for Programming Language Basic and Full Basic

4.6 WG9
Convenor
R. Mathis (USA) (1989 - N729)
Development of ISO standards for Programming Language Ada

4.7 WG11
Convenor
W. Wakker (Netherlands) (1990 - N965)
Study binding issues between programming languages and the abstract facilities with which they interface or interact
Serve as the SC22 focal point for consolidating SC22 comments on SC21 bindings
4.8 WG13
Convenor
M. Woodman (UK) (1991 - N1053)
ToR
Coordinate the content of an ISO standard for Modula 2

4.9 WG14
Convenor
P.J. Plauger (USA) (1991 - N1053)
ToR
Coordinate the content of an ISO standard for C

4.10 WG15
Convenor
J. Isaak (USA) (1991 - N1053)
ToR
Coordinate the content of ISO standards on the Portable Operating System Interface

4.11 WG16
Convenor
C. Queinnec (France) (1991 - N1053)
ToR
Coordinate the content of an ISO standard for Lisp

4.12 WG17
Convenor
R. Scowen (UK) (1991 - N1053)
ToR
Coordinate the content of an ISO standard for Prolog

4.13 WG18
Convenor
D. Frantz (USA) (1991 - N1053)
ToR
Coordinate the content of an ISO standard for Forms Interface Management System

4.14 WG19
Convenor
D. Andrews (UK) (1989 - N729)
ToR
Coordinate the content of an ISO standard for Vienna Development Method - Specification Language

4.15 WG20
Convenor
Internationalization
ToR
R. Weaver (USA) (1991 - N942)
Identify elements relevant to the work of SC22 that may be affected by differences in language, culture, customs and habits; for these elements, develop standards that enable applications to be portable across differing cultural practices; develop a Technical Report that describes a framework for nations to provide those elements
4.16 WG21
Convenor
S. Carter (USA) (1991 - N1012)
ToR
Coordinate the development of an ISO standard for programming language C++

Part II: MEETINGS

1.1 Last Plenary
Ellivuori, Finland
1992-08-24/28

1.2 Documents
Resolutions - N1242
Minutes - N1241
Agenda - N1119R
Secretariat Report (Proj document) - N1327

2. WGs do not meet in conjunction with Plenary meeting

3.1 Future Plenary
Paris, France
1993-09-20/24

3.2 Future WG mtgs

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<td>Ad Hoc</td>
<td>93-04-21/23</td>
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<td>Plenary</td>
<td>1994</td>
<td>The Netherlands</td>
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<td>(tentative)</td>
<td>1995</td>
<td>UK or USA</td>
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</tbody>
</table>
PART III: PERSONNEL

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   WG3: APL
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NOTE: Date in bracket represents date at which Convenor appointment ends - Date due for Convenor's re-appointment.
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<thead>
<tr>
<th>Project</th>
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