Business Plan and Convener's Report
ISO/IEC JTC1/SC22/WG14 (The Programming Language C)

Document: ISO/IEC JTC1/SC22/WG14 N887

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SUBMTTED BY:
Convener, ISO/IEC JTC1/SC22/WG14
John Benito
Perennial, Inc.
3004 Mission Street #130
Santa Cruz, CA 95060
Phone: +1 831 457 3915
Fax: +1 831 457 3916
Email: jb@peren.com

1. MANAGEMENT SUMMARY

1.1. JTC1/SC22/WG14 STATEMENT OF SCOPE

Development and maintenance of ISO/IEC Standards related to the programming language C.

1.2. PROJECT REPORT

1.2.1. COMPLETED PROJECTS

None over this period.

1.2.2. PROJECTS UNDERWAY

JTC1.22.20.01 - Programming Language C (Revision of ISO/IEC 9899:1990)

JTC1/SC22 N2794 was submitted to SC22 for FCD ballot, the ballot period started on September 24, 1998, closing on January 12, 1999. The summary of voting can be found in document JTC 1/SC22 N2872 and resolutions for the comments can be found in document JTC 1/SC22 WG14 N873.

A document has been forwarded to JTC 1 for FDIS ballot.

1.2.3. CANCELLED PROJECTS

None over this period.

1.2.4. COOPERATION and COMPETITION

Where appropriate, WG14 has established active liaisons with other SC22 working groups. There is no apparent direct competition with any other current SC22 working group.

2. PEROID REVIEW

2.1. MARKET REQUIREMENTS

WG14 feels that it is responding to user community pressure and to implementers concerns to revise the ISO/IEC 9899 standard to keep current with today's programming trends and market. The Committee believes that evolution of Object Oriented programming, numerical extensions that were proposed by J11.1, internationalization, advancements in character set standardization, cross-language standards and cross-language bindings all need to be considered in the revised standard. Most of these issues where not considered during the technical discussions for the current ISO C Standard. Please, see document ISO/IEC JCT 1/SC22 N2265 "Charter for the Revision of the C Standard" for more details.

2.2. ACHIEVEMENTS

WG14 produced the ISO/IEC JTC 1/SC22.N2794 for FCD Ballot. WG14 resolved all comments that the FCD ballot generated, see document number ISO/IEC JTC 1/SC22 N2872 and ISO/IEC JTC 1/SC22 WG14 N873. A document was generated and forwarded to JTC 1 for FDIS. WG14 also worked on Defect Reports, keeping the Defect Report Log current.

2.3. RESOURCES

WG14 meets three times per year in co-located technical sessions with the US committee J11. Ten countries participate by attending these meetings or by being involved in the technical discussions that take place over the reflector. The countries are: Australia, Canada, Denmark, France, Germany, Japan, Netherlands, Sweden, UK, and the USA.

WG14 has been monitoring the cross-language standards activities, and are using the ISO/IEC JTC 1/WG20 guidelines on extended characters. WG14 has also keep apprised of the requirements of the LIA-1,2 standards.

WG14 liaison appointments are:

Group	Name	Person assigned
WG11	Language Independent Datatypes	Keld Simonsen
WG15	Posix	Keld Simonsen
WG20	Internationalization	Keld Simonsen
WG21	C++	John Benito

3. FOCUS NEXT WORK PERIOD

WG14 will focus on new work items after the FDIS ballot closes. The Committee discussed several possible new work items, but has not reached consensus on any item. Items identified:

1. Architecture Support Extensions: DSP-C, etc
2. Conformance
3. Sequence Points
4. Time

3.1. DELIVERABLES

WG14 anticipates that the FDIS 9899 will be approved, giving the C community a new Standard.

3.2. STRATEGIES

WG14 believes that routine handling will suffice to complete the progress desired.

3.3. RISKS

No problems are anticipated.

3.4. OPPORTUNITIES

None.

3.5. WORK PROGRAM PRIORITIES

WG14 will concentrate on the revision of 9899, however WG14 will still respond to Defect Report logged for the current ISO/IEC 9899:1990 Standard, and any defect reports filed for the FDIS.

4. OTHER ITEMS

4.1. POSSIBLE ACTION REQUESTS AT FORTHCOMING PLENARY

The Convener, J. Benito, first three-year term will be complete in September. Pending any approval needed by the US National Body, a second term will be requested at the SC22 Plenary in Berlin.

4.2. WG14 SUPPORTS SC22 N2718

WG14 supports the action requested in ISO/IEC JTC 1/SC22 N2718.

4.3. PROJECT EDITORS

The following individuals have been appointed project editors and backup project editors:

JTC1.22.20.01 Programming Language C (Revision of ISO/IEC 9899:1990)
      Larry Jones (Project Editor), Douglas Walls (Backup Project Editor)

4.4. ELECTRONIC DOCUMENT DISTRIBUTION

WG14 has conducted much of its detailed technical discussion using email reflector provided by the Danish UNIX Users Group and Keld Simonsen.

WG14 also has an ftp and Web site provided by courtesy of the Danish UNIX Users Group and Keld Simonsen.

WG14 is now providing all the appropriate committee documents on the Committee Web site, reducing the need for paper mailings.

4.5. RECENT MEETINGS

23-27	Jun 1997	London, UK	BSI, Plum Hall Europe
20-24	Oct 1997	Menlo Park, CA USA	ANSI, Sun Microsystems
02-06	Feb 1998	Frisco, CO USA	ANSI Keaton Consulting
23-27	Jun 1998	Copenhagen, Denmark	Danish Standards
05-09	Oct 1998	Santa Cruz, CA USA	ANSI, SGI/Cray
01-05	Feb 1999	Portland, OR USA	ANSI, Intel Corp.
21-24	Jun 1999	London, UK	BSI

4.6.   FUTURE MEETINGS

18-23	Oct 1999	Kona, HI USA	ANSI, Plum Hall
nn-nn	Apr 2000	Tokyo, Japan	ITSCJ, NEC