ISO/IEC JTC1/SC22/WG21 (C++) Convener's Report

WG21 has a single project: JTC1.22.32.

1.   Summary of Accomplishments

The C++ working draft underwent CD registration ballot (SC22/N1709) between October, 1994 and January, 1995. The vote was 13 in favor of registering the CD and two against. Ballot comments were resolved (SC22/N1771), and the CD was registered (number 14882).

The CD balloting period (SC22/N1824) began May 28, 1995 and will close on September 28, 1995, which includes a one-month extension granted by the Secretariat.

The Working Group had its first meeting 18–19 June 1991, and has now met 13 times—three times per year—in joint technical sessions with X3J16.[1] Ten countries have been represented at the meetings: Australia, Canada, Denmark, France, Germany, Japan, New Zealand, Sweden, UK, and the USA.

1.1 Language Independent and Cross Language Standards

The Working Group has been monitoring activities in these areas, but no specific actions have been taken. We do not believe any actions are required at this time. WG21 interest is represented on other SC22 working groups via the following liaison appointments:

Group	Subject	Liaison
WG11	Language Independent Datatypes	Keld Simonsen
WG14	C	Tom Plum
WG15	POSIX	Nobuo Saito
WG20	Internationalization	Keld Simonsen

2.   Target Dates

WG21 is requesting a change to its schedule for the following reasons:

1. The extension of the CD ballot means that WG21 will not receive the summary of voting until shortly before our November 1995 meeting. Combining this delay with the expected number and nature of the National Body comments, WG21 now believes it will need a second meeting to complete the resolution of ballot comments. This will cause a four-month delay (one meeting).

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1. X3 is an American National Standards Institute accredited standards body. X3J16 is the X3 committee charged with developing a C++ standard under ANSI "type I" procedures.

2. It is our opinion that the number of changes to the CD that will be needed to resolve the ballot comments, coupled with the need to produce a DIS that requires no substantive changes, will make it advisable to submit a revised CD to SC22 member bodies for another vote. This will cause a twelve-month delay, which includes two meetings to resolve comments from the second CD ballot and to produce the DIS.

The complete list of former and proposed target dates is shown in below.

Original date	New date	Event
9/89	(completed)	USA requested to submit C++ New Work Item Proposal
4/91	(completed)	Approved C++ NP
6/91	(completed)	First meeting of WG21
12/93	(completed)	Circulate informal draft within SC22
7/94	(completed)	Vote to register WD as CD; Mtg #10.
9/94	(completed)	Complete editorial corrections; provide WD to SC22.
10/94	(completed)	**Begin CD registration ballot**.
3/95	(completed)	Complete CD registration ballot resolutions; Mtg #12.
6/95	(completed)	**Begin CD ballot**.
11/95	3/96	Complete CD ballot resolution; Mtgs #14 and 15
	5/96	**Begin second CD ballot**
	3/97	Complete second CD ballot resolution; Mtg #17 and 18
2/96	5/97	**Begin DIS ballot**
12/96	12/97	Complete editorial corrections arising from DIS ballot resolution. Send IS to ITTF (with final report).

3. Issues for Discussion

WG21 requests that SC22 accept our revised schedule and target dates.

WG21 also requests clarification on what changes may be made to a DIS that has passed its JTC1 ballot before submittal of final copy to ITTF. In particular:

1. May changes be made to the index? To cross-references? (Both of these are non-normative, I believe.)

2. May changes be made to other non-normative text?

4. Meeting Schedule

WG21's future meeting schedule is shown below.

No.	Date	Location	Standards Body	Corporate Sponsor
13	Jul 9–14, 1995	Monterey, CA	ANSI	Sun Microsystems
14	Nov 5–10, 1995	Tokyo, Japan	ITSCJ	Keio University
15	Mar 10–15, 1996	Scotts Valley, CA	ANSI	Borland
16	Jul 7–12, 1996	Stockholm, Sweden	ITS	Ellemtel
17	Nov 19–15, 1996	Hawaii	ANSI	Plum Hall, Inc.
18	Mar 9–14, 1997		to be determined	
19	July 13–18, 1997	United Kingdom	BSI	Programming Research
20	Nov 9–14, 1997		to be determined	