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Project: JTC1.22.32 Programming Language C++
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ISO/IEC JTC1/SC22/WG21 (C++) Convener's Report (Interim)

WG21 has a single project: JTC1.22.32.

The Working Group had its first meeting 18-19 June 1991, and has now met 17 times -- three times per year -- in joint technical sessions with US committee X3J16. Ten countries have been represented at the meetings: Australia, Canada, Denmark, France, Germany, Japan, New Zealand, Sweden, UK, and the USA. (Ireland and Netherlands, recently added, will become the 11th and 12th delegations.)

1. SUMMARY OF ACCOMPLISHMENTS

The C++ CD was balloted between May 28 and September 28, 1995 (CD 14882, SC22/N1824). Ballot responses included a large number of substantive comments. WG21 spent three meetings (November 1995, March 1996, and July 1996) resolving the comments, and prepared a new working draft for a second CD ballot shortly after the November meeting.

1.1 Language Independent and Cross Language Standards

The Working Group has been monitoring cross-language standards activities. We are using the WG20 guidelines on extended characters. We have also tried to remain as close to the requirements of the LIA-1 standard as possible, but have not produced an explicit binding document. WG21 has several liaison appointments:

Group	Subject	Liaison
WG11	Language Independent Datatypes	Keld Simonsen
WG14	C	Tom Plum
WG15	POSIX	Nobuo Saito
WG20	Internationalization	Keld Simonsen
SC24/WG6	Multimedia presentation and interchange	Karl Soop

2. TARGET DATES

WG21 requested a change to its schedule because we saw that it would take two extra meetings to resolve the first CD ballot comments. The technical changes were finalized in July 1996, but WG21 wanted to look at the final draft in November before recommending it be forwarded to SC22 for a second CD ballot. This lengthened WG21's schedule by eight months. However, the new Final DIS ("FDIS") procedure may shorten the new schedule by four or five months.

The complete list of former and current target dates is shown 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.
3/96	(completed)	Complete CD ballot resolution; Mtgs #14-17
5/96	(completed)	Begin second CD ballot
3/97	11/97	Complete second CD ballot resolution; Mtg #19, 20
5/97	12/97	Begin FDIS ballot
12/97	3/98	FDIS ballot results. Send IS to ITTF (with final report).

3. ISSUES FOR DISCUSSION

4. MEETING SCHEDULE

WG21's future meeting schedule is shown below.

No.	Date	Location	Standards Body & Corporate Sponsor
18	Mar 9-14, 1997	Nashua, NH, USA	ANSI Digital Equip. Corp.
19	Jul 13-18, 1997	Cambridge, UK	BSI Programming Research
20	Nov 9-14, 1997	New Jersey, USA	ANSI AT&T
21	Mar 8-13, 1998	Sophia Antipolis, FR	AFNOR Ilog
22	Jul 12-17, 1998	Rochester, NY	ANSI Xerox