ISO/IEC JTC 1/SC22/WG21 (C++) Business Plan and Convener's Report for the September 1999 JTC 1/SC22 Plenary

Doc No: J16/99-0028 = WG21 N1204
Date: 1999-06-23
Project: JTC1.22.32 Programming Language C++
Ref Doc:
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PERIOD COVERED: 1999-09 to 2000-09

SUBMITTED BY: Thomas Plum, Convener

1. MANAGEMENT SUMMARY:

1a CHAIRMAN'S REMARKS

ISO C++ remains a widely-used foundation technology, well-received in the marketplace. WG21 is developing responses to Defect Reports, and has begun work on a Technical Report on C++ Performance.

1.1 STATEMENT OF SCOPE

The scope of WG21 includes project JTC1.22.32, plus a new project, a TR on C++ Performance. The convener has not yet received confirmation of final JTC1 action on the TR. Within SC22, the new project was approved as follows:

"P" Members 15/0/0/0/6
Committing to participate = 8

1.2 PROJECT REPORT

Our primary project was published as ISO/IEC 14882 in September 1998.

Target dates for the PDTR on C++ Performance are 24 months after approval by JTC1 (July 2001).

1.3 COOPERATION AND COMPETITION

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

2.0 PERIOD REVIEW

2.1 MARKET REQUIREMENTS

At the March 1998 meeting, WG21 heard reports and discussion regarding the uses of C++ in embedded, real-time, and high-performance projects. Some of these projects have been migrating from C to C++, and have concerns for C++ performance issues. The intent of the TR is to address these performance issues.

2.2 ACHIEVEMENTS

WG21 has developed internal procedures for receiving, logging, and addressing Defect Reports, consistent with JTC1 and SC22 directives. Some new features: the moderators of the newsgroup comp.std.c++ play a role in the initial DR processing, and the WG21 web page provides reasonably current DR status information.

2.3 RESOURCES

Resources remain adequate for WG21. Even though our I.S. was just recently published, we have had continued strong participation, with seven or eight national delegations at each meeting as usual.

3.0 FOCUS FOR THIS PLANNING PERIOD

3.1 DELIVERABLES:

No specific deliverables due in this next period.

3.2 STRATEGIES:

3.2.1 RISKS

3.2.2 OPPORTUNITIES

3.3 WORK PROGRAM PRIORITIES

WG21's meeting schedule is shown below (recent past and near future)

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	Oct 6-9, 1998	Santa Cruz, CA, USA	ANSI; SGI, Plum Hall, Perennial
23	Apr 11-16, 1999	Dublin, Ireland	Irish Standards; O'Riordan
24	Oct 20-26, 1999	Kona, Hawaii, USA	ANSI; Plum Hall
25	Apr 17-21, 2000	Tokyo, Japan	ITSCJ; NEC (?)
26	Oct xx-xx, 2000	Toronto, ON, Canada	Standards Canada; IBM, PeerDirect, Xerox

4. AGENDA ITEMS FOR SC22 PLENARY

The Convener, Thomas Plum, volunteers for another three-year term, pending approval by the US National Body. Acceptance by SC22 would require action at the September SC22 Plenary in Berlin.