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J16/02-0041
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Minutes of ANSI J16 and ISO WG21 Co-located Meeting, 21-25 October 2002

West Coast Santa Cruz Hotel, Santa Cruz, California, USA

Motions are recorded as follows:

<p><i>Motion (mover, seconder)</i> [passed failed] J16 (# <i>in favor</i>, # <i>opposed</i>, # <i>abstaining</i>) [passed failed] WG21 (# <i>in favor</i>, # <i>opposed</i>, # <i>abstaining</i>)</p>

Monday, October 21, 9:00am-5:30pm

1. Opening activities

Clamage called the meeting to order on Monday, October 21, 2002, at 09:14 PDT.

1.1 Opening comments

Clamage introduced the meeting hosts, Dinkumware and Perennial. Barry Hedquist outlined the meeting arrangements.

1.2 Introductions

Clamage had the attendees introduce themselves.

1.3 Membership, voting rights, and procedures for the meeting

Clamage reviewed membership and voting rules. Judy Ward is acting Vice-Chair and USA IR in Nelson's absence this week.

Ward circulated the attendance list and membership list.

1.4 Agenda review and approval

Clamage presented the adjustments to the final agenda, adding a Monday evening technical session and ending an hour earlier on Wednesday.

Motion to approve the agenda:

Motion (Plum, Sutter) passed J16 (lots, 0, 0) and WG21 (7, 0, 0).

1.5 Distribution of position papers, WG progress reports, WG work plans for the week, and other documents that were not distributed before the meeting.

There were no papers or documents.

1.6 Approval of the minutes of the previous meeting

Clamage reviewed voting rules.

Motion to approve the minutes:

Motion (Charney, Marcus) passed J16 (lots, 0, 0) and WG21 (7, 0, 0).

1.7 Report on the WG21 Sunday meeting

Sutter reported on the WG21 meeting.

Our new liaison from WG14 is Herb Sutter. The liaisons are now:

Tana Plauger (Dinkumware, USA)
Clark Nelson (Intel, USA)
Keld Simonsen (RAP, Norway)
Francis Glassborow (UK)
Jan Kristofferson (Ramtex, Denmark)
Robert Klarer (IBM, Canada)
Greg Colvin (Oracle, USA)
Steve Clamage (Sun, USA)
Tom Plum (Plum Hall, USA)
John Benito (Perennial, USA)
Herb Sutter (Microsoft, Convener WG21) (from WG14)

Sutter reported that we have 7 countries in attendance at this meeting. Our drafting committee this week is Matt Austern, Lois Goldthwaite, Gabriel Dos Reis, and Steve Adamczyk. The TC has not yet been sent out for balloting but will be sent out shortly. The Performance TR's registration ballot is in progress, closing December 27.

Sutter announced WG21's plan for future meetings:

Oxford, UK: April 6-11, 2003

Kona, HI, USA: October 19-24, 2003

Tentative invitations to meet in Norway, Germany, or Netherlands, and firm invitation to meet in Australia:
April 2004

Tentative invitations to meet in Redmond WA, USA, or St. Louis MO, USA: October 2004.

Tentative invitation to meet in Canada: September 2005.

1.8 Liaison reports

Plum summarized the WG14 meeting last week. DRs were worked on.

Simonsen reported on WG15 and WG20. The POSIX standard has been revised and approved. The WG20 convener has resigned and a new one is being appointed.

1.9 New business requiring actions by the committee

2. Organize subgroups, establish working procedures.

We have four subgroups, Core, Library, Evolution, and Performance. Lois reported that Performance is not anticipated to require the whole week's time; the other groups plan to use the entire subgroup time.

The committee broke into subgroups at 10:15 PDT.

3. WG sessions (Core, Library, Performance, Evolution).

The working groups will work on Defect Reports and Technical Reports as appropriate. Each group sets its own detailed agenda.

Monday, October 21, 7:30pm

3.1 Technical Session, Dynamic Libraries (Becker).

Tuesday, October 22, 8:30am-5:30pm

4. WG sessions continue.

Tuesday, October 22, 7:30pm

4.1 Technical Session, C/C++ Compatibility Issues (Plauger, Koenig).

Wednesday, October 23, 8:30am-4:30pm

5. WG sessions continue.

The WG chairs will arrange for any DRs ready to be proposed for resolution to be written up in motion form, and made available in printed form by the end of the day. Wednesday, October 23, Evening

5.1 Reception by meeting hosts (5:00pm)

Thursday, October 24, 8:30am-Noon

6. General session.

Clamage called the meeting to order at 8:35am PDT.

6.1 WG status and progress reports.

Austern presented the status of the LWG. Several issues that were in Ready status will be presented as DRs tomorrow; the list is available on the server. N1402 (polymorphic function object wrapper) and N1403 (tuple) are being proposed for inclusion in the Library TR and will be voted on tomorrow.

Adamczyk presented the status of the CWG. There are 37 new issues plus one new one that arose here; there have been 22 resolved, 15 of them to Ready and 7 to NAD. In total they have moved 19 issues to Ready. CWG will be moving the issues shown in Ready status to DR except for 283 which is linked to other issues.

Goldthwaite presented the status of the PWG. The week has been spent proofreading, and PWG is looking for people to run their code.

Sutter presented the status of the EWG. All EWG papers have been discussed. Most were discussed in small groups on Monday and then presented in joint meeting with the LWG on Tuesday and Wednesday where they considered the Library

TR and EWG papers together. They also considered two main organizational issues: 1. How to manage the to-do lists. One option was to use the LWG issues list structure and format, including the XML arrangement; another is to store the evolution issues on the CWG and LWG issues lists. 2. How to organize our work in future meetings.

6.2 Presentation and discussion of DRs ready to be voted on. Straw votes taken.

Jarvi summarized the tuple proposal, N1403.

Gregor summarized the polymorphic function object wrapper proposal, N1402.

Maurer announced that the CWG and LWG motions were available on the server.

The committee broke into subgroups at 9:02 PDT.

Thursday, October 24, 1:30pm-5:30pm

7. WG sessions continue. DR motions modified as needed, made available in printed form by the end of the day.

Friday, October 25, 8:30am-11:30am

8. Review of the meeting

Clamage called the meeting to order at 8:41am PDT.

There are 21 voting members present.

Austern moved to thank the hosts, Dinkumware, EDG, and Perennial. There was sustained applause.

8.1 Formal motions, including DRs to be resolved.

Core Motion

Adamczyk presented the CWG motion:

Move that we submit to the Project Editor as Potential Defect Reports the following core issues in J16/02-0036=WG21/N1378: 29, 60, 63, 162, 172, 244, 261, 273, 281, 284, 289, 295, 296, 300, 302. (This is the list of issues in Ready status in N1378 excluding 283, which is linked to a number of other issues addressed in an omnibus edit in N1376.)

Motion (Adamczyk, Merrill) passed J16 (21, 0, 0) and WG21 (7, 0, 0).

Library Motions

Austern presented the LWG motions:

1. Move to change the following library issues to DR status: 91 123 179 200 202 241 305 320 324 325 329 333 334 338 339 340 341 349 354. [This is a change from the motion described yesterday. Issue 253 is not to be moved to DR status.]

Motion (Austern, Sutter) passed J16 (21, 0, 0) and WG21 (7, 0, 0).

2. Move to adopt N1402=02-0060, "A Proposal to add a Polymorphic Function Object Wrapper to the Standard Library", for the library extensions TR.

Motion (Austern, Brown) passed J16 (21, 0, 0) and WG21 (7, 0, 0).

3. Move to adopt N1403=02-0040, "Proposal for adding tuple types into the standard library Programming Language C++", for the library extensions TR.

Motion (Austern, Brown) passed J16 (21, 0, 0) and WG21 (7, 0, 0).

8.2 Review of action items, decisions made, and documents approved by the committee

8.3 Issues delayed until Friday

9. Plans for the future

9.1 Next meeting

The next meeting will be held in:

Oxford, UK: April 6-11, 2003

Koenig requested a special session on binary compatibility for the Oxford meeting, in order to inform the committee about vendors' actual constraints and provide a framework for describing what it means to maintain binary compatibility in the face of change.

9.2 Mailings

Nelson reported that the deadline for the post-meeting mailing will be November 8, 2002. Nelson thanked Maurer for hosting documents on his laptop for this meeting, but stressed that putting a document on Maurer's server is not enough to get it into the mailing.

The pre-Oxford mailing deadline will be March 3, 2003.

9.3 Following meetings

Clamage summarized the plan for future meetings:

Kona, HI, USA: October 19-24, 2003

Motion to Adjourn:

Motion (Sutter, Glassborow) passed J16 (lots, 0, 0) and WG21 (7, 0, 0).

Meeting adjourned at 09:15.

J16 and WG21 Attendance List

Company / Organization	National Body	Representative	Mon	Tue	Wed	Thu	Fri
	UK	James Dennett	N	N	N	N	N
	UK	Lois Goldthwaite	N	N	N	N	N
ACCU	UK	Francis W. Glassborow	N	N	N	N	N
Adobe Systems		Mat Marcus	V	V	V	V	V
Adobe Systems		Sean Parent	A		A		
Amazon.com		Gary Powell	N	N	N	N	
Apple Computer	USA	Matt Austern	A	A	A	A	A
Apple Computer		Steve Naroff	A				
AT&T		Andrew Koenig	V	V	V	V	V
Atlantic International		David Miller	V	V	V	V	V
Borland International		John Wiegley	V		V		V
Borland International		Eli Boling	A				
Charney & Day		Reg Charney	V	V	V	V	V
Crystal Clear Software		Jeff Garland	N	N	N	N	
DB Systems GmbH		Jens Maurer	N	N	N	N	N
Dinkumware, Ltd.		P.J. Plauger	V	V	V	V	V
Dinkumware, Ltd.		Pete Becker	A	A	A	A	A
Dinkumware, Ltd.	USA	Tana Plauger	A	A	A	A	A
Edison Design Group	USA	J. Stephen Adamczyk	V	V	V	V	V
Edison Design Group		Daveed Vandevoorde	A	A	A	A	A
Edison Design Group		John H. Spicer	A	A	A	A	A
Fermi National Accelerator Lab.	USA	Walter E. Brown	V	V	V	V	V
Fermi National Accelerator Lab.		Marc F. Paterno	A	A	A	A	A
HP		Kerch Holt	V	V		V	
HP		Vikram Kumar	A	A		A	
IBM	Canada	Robert Klarer	V	V	V	V	V
IBM	Canada	Sandor Mathe	A	A	A	A	A
Indiana University		Jeremy Siek	V	V	V	V	V
Indiana University		Jaakko Järvi	A	A	A	A	A
INRIA	France	Gabriel Dos Reis	N	N	N	N	N
Intel	USA	Clark Nelson				V	V
Intel		Gyuszi Suto		A	A	A	
Intel		Judy Ward	V	V	V	A	
Lex Hack & Associates		Max Munch	N	N	N	N	N
Mentor Graphics		Yenjo Han	A	A	A	A	A
Metrowerks		Howard E. Hinnant	V	V	V	V	V
Metrowerks		Andreas Hommel	A	A	A	A	A

Minutes of ANSI J16 and ISO WG21 Co-Located Meeting

Microsoft	Canada	Herb Sutter	V	V	V	V	V
Microsoft		Bobby Schmidt	A	A	A	A	A
None (Abrahams)		David Abrahams	V	V		V	V
None (Dawes)		Beman Dawes	V	V	V	V	V
None (Seymour)	USA	Bill Seymour	V	V	V	V	
Oracle	USA	Greg Colvin	A			A	A
Perennial		Barry Hedquist	V	V	V	V	V
Phaidros Software		Dietmar Khl	N	N	N		
Plum Hall		Tom Plum	V	V	V	V	V
Ramtex International	Denmark	Jan Kristoffersen	N	N	N	N	N
RAP	Norway	Keld Simonsen	N	N			N
Rational Software		Tom Wilcox	V	V	V	V	V
Red Hat		Jason Merrill	V	V	V	V	V
Red Hat		Benjamin Kosnik	A	A	A	A	A
Rogue Wave Software		Martin Sebor	V	V	V	V	V
RPI		Doug Gregor	N	N	N	N	
SGI/Silicon Graphics		John Wilkinson	A	A	A	A	
Sun Microsystems		Lawrence Crowl	V	V	V	V	V
Sun Microsystems	USA	Stephen D. Clamage	A	A	A	A	A
Tellabs		Daniel Miller	A	A	A	A	A
Tokyo University of Technology	Japan	Ichiro Koshida	N	N	N	N	N
University of Hanover		Thomas Witt	N	N	N	N	N
Utah Valley State College		Chuck Allison	V	V	V	V	proxy