

Minutes of Meeting 140

J3 ANSI Fortran Standards Committee

February 10-14, 1997

Las Vegas, Nevada

J3/97-150

1. ATTENDANCE

1 invited speaker: Arnold Winkler

37 delegates:

- WG5 Convenor: Miles Ellis
- J3 Chairman: Jerrold Wagener
- Austria: Gerhard Schmitt, David Schmitt
- Finland: Petri Mahonen
- Germany: Michael Hennecke, Wolfgang Walter, Manuela Zuern
- Japan: Masakaza Hayashi, Masayuki Takata
- Netherlands: Mattings Van Waveren
- UK: Malcolm Cohen, John Cuthbertson, Keng Low, Steve Morgan, David Muxworthy, John Reid
- US: Jeanne Adams, Keith Bierman, Richard Bleikamp, Walt Brainerd, Viktor Decyk, Craig Dedo, Dick Hendrickson, Kurt Hirschert, Baker Kearfott, Richard Maine, Jeanne Martin, Loren Meissner, Mallory North, Charles Norton, Larry Rolison, Bob Runyan, Reva Sacks, Van Snyder, Tony Warnock, Stan Whitlock, Henry Zongaro

2. OPENING REMARKS (Ellis)

Objectives are to establish Fortran 2000 requirements, and to make recommendations as to ongoing projects including Technical Corrigendum 3 and Fortran 95.

3. OPENING REMARKS (Wagener)

Appointments for the meeting are:

Librarian: M. North

Secretary: L. Meissner

Drafting Committee (for WG5 resolutions): Muxworthy, Wagener, Ellis

Technical Subgroup Heads/Assistant Heads: Hendrickson/Kearfott (High Performance), Zuern/Cuthbertson (Data), Whitlock/Bleikamp (Miscellaneous).

Objectives are to complete Fortran 2000 requirements; to further develop technical specifications for selected requirements; and to make recommendations concerning WG5 projects on C Interoperability and Conditional Compilation.

Plenary session actions will be based only on recommendations from technical subgroups, except in unusual cases.

4. AGENDA (Wagener)

Motion to adopt Agenda, WG5/N1234 (Whitlock, Dedo) approved unanimously.

5. MINUTES OF PREVIOUS MEETINGS (Wagener)

Motion to adopt minutes of WG5 meeting, Dresden July 1996, WG5/N1220 (Ellis, Hennecke) approved unanimously.

Motion to adopt minutes of J3 meeting, Las Vegas November 1996, J3/96-180 (Maine, Hendrickson) approved unanimously.

6. REPORT ON OFFICIAL ACTIONS OF SC22 and ITIC (formerly X3) (Ellis)

The rules for final processing of draft standards have been changed slightly. There will be a "final" ballot on the technical committee draft; comments at this stage may result in changes. This will be followed by

a single Draft International Standard ballot with no comments. With regard to WG5 documents in progress, the new rules will apply to the Technical Report on C Interoperability and to the Part on Conditional Compilation. Some changes in editorial rules have been forwarded to all WG5 Project Editors.

New work items now require active participation by 5 member bodies; implementation of this rule has created a problem in the case of GKS binding to Fortran 90, as described in a communication from SC24 (J3/97-130), which will be the subject of a resolution at this meeting.

7. NATIONAL ACTIVITY REPORTS (Ellis)

Reports from Germany (WG5/N1249) and US (WG5/N1258) have been submitted in writing.

8. STATUS OF FORTRAN 2000 REQUIREMENTS (Ellis)

Document J3/97-010 lists the current status, and references current documentation for projects that are under way. Electronic subgroups established at Dresden had prepared documents based on documents WG5/N1238, /N1239, and /N1240 for consideration by subgroups at this meeting.

WG5 Technical Reports on Floating Point Exception Handling (WG5/N1231) and Enhanced Derived Type Facilities (WG5/N1230) are the subjects of current letter ballots.

Development groups for WG5 projects on C Interoperability (WG5/1237) and Conditional Compilation (WG5/N1243; see also WG5/N1247 and WG5/N1208) met separately during this week. Technical reports will require integration into Fortran 2000.

Defect management for Fortran 95 will begin after final approval.

FORTRAN 77 and Fortran 90 will remain as US national standards; some future US action may be taken in this regard.

9. INTERNATIONALIZATION (Arnold Winkler)

Issues identified by SC20, including defining and handling culturally dependent "locale" information, were described and discussed. WG5 was urged to accommodate internationalization insofar as possible.

10. SUBGROUP RECOMMENDATIONS (Wagener)

High Performance group requested guidance from the full group concerning Interval arithmetic (WG5/N1252, /N1253); individuals expressed preference as follows:

- Required part of Fortran 2000, 7;
- Optional part of Fortran 2000, 24;
- Undecided, 5

Miscellaneous subgroup reported its discussion of WG5/N1240. The subgroup recommended deletion of selected items that had previously been classified as requirements for "Minor Technical Enhancements," and requested guidance from the full group. A majority of the group preferred to delete the following items: Allow MERGE in constant expressions (M.9), Named scratch files (M.10), Specifying default precision (M.12), and More than 7 array dimensions (M.14).

Final actions resulting from other recommendations of High Performance, Data, and Miscellaneous Subgroups are reported below.

11. SCHEDULE FOR FORTRAN 2000 (Ellis)

The group was requested to express its preference for "Maintain the current schedule, according to which the next Fortran standard would be published in November 2001." Individuals: (18-19); countries (2-5).

The group was requested to express its preference for "Choose a revised planned publication date and schedule the work to fit that date." Individuals: (29-6); countries (6-1).

The group was requested to express its preference for "The revised planned publication date should not be later than November 2003." Individuals: (37-0).

"The revised planned publication date should not be later than November 2002." Individuals: (26-11).

"The revised planned publication date should not be later than May 2002." Individuals: (7-28).

"Confirm that the revised planned publication date should be November 2002." Countries: (6-1).

Anticipating that Interoperability with C would be the subject of a resolution, the group expressed its preference for "Interoperability with C is a Fortran 2000 requirement." Individuals: (31-0). Wagener noted that all current Technical Report projects are Fortran 2000 requirements but are not considered J3 work items except for integration.

The following chart summarizes individual preferences for items previously identified by WG5 as requirements, along with those recommended by the Subgroups. Column 1 reflects individual preferences, expressed during Subgroup reports, for giving items further consideration. Column 2 shows individual preferences to categorize items as A (high), B (medium), or C (low) priority. Column 3 refines Column 2 for selected items.

= Feature Name =====	1	;	2	;	3	;
			A- B- C;		A- B- C;	
derived type I/O			17-14-	4;	20-15-	;
procedure pointers			22-10-	2;		;
inheritance (EXTENDS)	32-	5;	25-	6-	4;	;
polymorphism (OBJECT)			22-	9-	4;	;
internationalization	34-	1;	16-17-	2;	18-16-	;
parameterized derived types			14-14-	7;	14-21-	;
interval arithmetic			11-	8-12;	12-11-13;	
constructors/destructors	30-	4;	13-15-	7;	17-17-	;
asynchronous I/O			14-15-	1;	15-19-	;
VOLATILE attribute	yes	;	7-16-	5;		;
allow public entities of private type	yes	;	4-16-14;		-18-15;	
PUBLIC and PRIVATE components	yes	;	2-20-12;			;
stream I/O	21-	6;	6-20-7	;		;
command line arguments	29-	4;	6-15-12;		-19-13;	
access to status error messages	yes	;	5-16-13;		-20-14;	
IEEE I/O rounding inquiry intrinsics	yes	;	7-10-13;		-17-17;	
user-specified operator precedence	11-16;		3-	9-21;		;
ASSERT statement or construct	yes	;	2-	6-21;		;
pointer association classes	20-	1;	2-	6-20;		;
aliasing type definitions	yes	;	4-13-17;		-11-20;	
regularize KIND	yes?	;	0-	4-31;		;
extend ALLOCATE to nonkind	23-	3;	3-13-17;			;
exception handling	21-	9;	9-10-16;		-12-21;	
any kind integer in I/O specifiers	28-	5;	3-13-18;			;
internal procedures as actual args	17-14;		7-	9-18;		;
tabs in data	22-	7;	2-	7-25;		;

tabs in source	20-15; 3- 8-22;	;
regularize random seed	19- 5; 8- 8-19;	;
packed LOGICAL	15-15; 5- 4-25;	;
SWAP operator	12-12; 2- 2-31;	;
preconnected unit number inquiry	17-10; 2- 6-26;	;
separate module spec	15- 8; 3-12-19;	;

=====

Country preferences were expressed concerning selected items:

- interval arithmetic (A, 4; B, 1)
- IEEE I/O rounding inquiry intrinsics (B, 4; C, 3)
- parameterized derived types (A, 5; B, 2)
- user-specified operator precedence (B, 4; C, 2)
- internal procedures as actual args (B, 1; C, 4)
- constructors/destructors (A, 3; B, 3)
- asynchronous I/O (A, 5; B, 2)

Individual preferences were expressed concerning selected existing Minor Technical Enhancement requirements:

- M6, extend initialization expressions (27-4)
- M8, liberalize BOZ constants (9-13)
- M9, MERGE in constant expressions (6-18)
- M12, default precision (7-15)
- M13, processor-dependent features list (10-13)
- M15, renaming operators (21-4)
- M16, data type encapsulation (32-0)
- M17, enhanced complex constants (23-2)

Convenor stated that he will expand N1259 (Content of Fortran 2000) to include a more meaningful title for each item, suitable for posting on various Fortran news groups.

12. SUBGROUP REPORTS (Wagener)

Data subgroup proposed syntax for parameterized derived types. Motion to accept J3/97-104r2 (Maine, Cuthbertson) approved (23-2).

Data subgroup reviewed M16, data type encapsulation; see J3/97-145. There is a small error in F90 but defect processing has terminated. It can be processed during defect management for Fortran 95, and the corresponding correction can be incorporated into Fortran 2000. If this is done, Fortran 2000 will agree with Fortran 95 but both will be slightly different from Fortran 90. Technically, the defect relates to user-defined assignment of components of a derived type. Straw vote to process as a Fortran 95 defect: (29-0-1).

Data subgroup presented Pointers to Procedures. Motion to accept J3/97-147 as syntax (Maine, Snyder); after discussion, motion to table until the J3 meeting in May 1997 (Meissner, Kearfott); tabled by unanimous consent.

Miscellaneous subgroup described the effect of "copy in, copy out" semantics on asynchronous I/O. Straw vote, this is the proper direction: (24-0-3).

High Performance recommended that numbers of real type should not be mixed with intervals in an interval expression. Straw vote on this recommendation as described in J3/97-143: (26-2-0).

13. RECONSIDERATION (Ellis)

By request of three countries that had preferred category B for user-specified operator precedence, this item was reconsidered. The reconsidered result was (B, 2; C, 4).

14. FUTURE MEETINGS (Ellis, Wagener)

Gerhard Schmitt discussed arrangements for the next WG5 meeting in Vienna July 21-25, 1997. Delegates should request further information from Gerhard if they require a less expensive hotel or if they need parking facilities.

Final arrangements for a WG5 meeting in 1998 will be determined at Vienna.

Future J3 meetings:

- 12-16 May 1997, Las Vegas, Nevada
- 11-15 Aug 1997, Breckenridge, Colorado
- 10-14 Nov 1997, Las Vegas, Nevada
- 16-20 Feb 1998, Lafayette, Louisiana
- May 1998, Terre Haute, Indiana
- Aug 1998, Edinburgh, Scotland

15. RESOLUTIONS (Muxworthy)

Resolutions in document WG5/N1261 were discussed. With regard to LV8, Convenor expressed his intent to carry out the referenced letter ballot by approximately March 31, 1997. Resolutions LV1 to LV10 were adopted unanimously except as follows: LV2, G Schmitt abstains; LV7, Germany and Walter abstain; LV10, Mahonen and Walter object. Resolutions LV11 and LV12 were adopted by acclamation.

16. DOCUMENT NUMBER CROSS REFERENCE

The following documents have both WG5/N and J3/97- numbers:

(1151=134), (1235=107), (1237=108), (1241=109), (1242=110), (1243=111), (1245=102), (1246=101), (1247=112), (1252=105), (1253=113), (1255=115), (1256=116), (1259=138r1), (1261=1242r2), (1263=139), (1265=135), (1266=137r1), (1267=124), (1268=128), (1269=129r1), (1270=114r2), 1271=126), (1272=131).

Appendix A
Agenda for J3/WG5 Joint Meeting 140

ISO/IEC JTC1/SC22/WG5 N1234

Draft Agenda

Joint Meeting of ISO/IEC JTC1/SC22/WG5 and ANSI/X3J3

February 10-14, 1997

**Sunrise Suites, 4575 Boulder Highway
Las Vegas, NV 89121, USA**

Monday, February 10 0830 - 2200
Tuesday, February 11 0830 - 1730
Wednesday, February 12 0830 - 2200
Thursday, February 13 0830 - 1730
Friday, February 14 0830 - 1730

Note that this meeting is a joint meeting of ANSI/X3J3 and ISO/IEC JTC1/SC22/WG5, and is a full meeting of each committee. Agenda items marked with a # will be chaired by the Chairman of X3J3, agenda items marked with ## will be chaired by the respective development body project editors, and other agenda items will be chaired by the Convenor of WG5.

The major item of business is the finalisation of the content for the next revision of Fortran (Fortran 2000), and the commencement of technical work on some of the items therein. A substantial part of the meeting will be devoted to working in subgroups, with subgroup heads chosen equally from the WG5 and X3J3 membership. In order to expedite matters, items preceded by an asterisk will not have any agenda time and will be the subject of written reports only. Moreover, it is intended to operate the meeting to a detailed timetable, which will be confirmed under agenda item 2.5. *The provisional timetable is appended to this revised agenda.*

1. Opening of the Meeting: 8.30 am, February 10, 1997

#2. Opening business

- 2.1 Introductory remarks from the WG5 Convenor and the X3J3 Chair
- 2.2 Local arrangements
- 2.3 Appointments for this meeting
- 2.4 Meeting objectives
- 2.5 Adoption of the Agenda
- 2.6 Approval of the Minutes of the Dresden WG5 Meeting
- 2.7 Approval of the Minutes of X3J3 Meeting #139
- 2.8 Other opening business

3. Status of Dresden Resolutions*4. Reports**

- 4.1 Urgent SC22 and X3 Matters
- * 4.2 National Activity Reports (Heads of Delegations)
- 4.3 Report from Primary Development Body (X3J3 Chair)
- 4.4 Reports from other Development Bodies (Editors/Heads)
- * 4.5 Liaison Reports

***5. Defect Management Issues**

- 5.1 Fortran 90
- 5.2 Fortran Part 2 _ Varying Length Strings
- 5.3 Fortran Part 1 _ Fortran 95

##6. Processing of Technical Reports and other Standards

- 6.1 TR on Interoperability with C
- 6.2 Fortran Part 3 _ Conditional Compilation

7. Identification of Fortran 2000 Requirements

- 7.1 High Performance Computing Requirements
- 7.2 Data Extensibility Requirements
- 7.3 Miscellaneous Requirements (including Internationalization Requirements)
- 7.4 Final Proposed Content of Fortran 2000

#8. Development of Fortran 2000 Requirements

- 8.1 High Performance Computing Features
- 8.2 Data Extensibility Features
- 8.3 Miscellaneous Features

#9. Any other Technical Items**10. Closing Business**

- 10.1 Future WG5 meetings
- 10.2 Future X3J3 meetings
- 10.3 Other closing business

11. Adoption of Las Vegas Resolutions**12. Adjournment: 5.30 pm, February 14, 1997**

The provisional timetable for the meeting is as follows:

Monday February 10

- 8.30 - 11.30 Agenda items 2 and 4
- 11.30 - 12.00 Tutorial by Arnold Winkler, Convenor of WG20, on the Internationalization aspects of agenda item 7.3
- 1.30 - 5.00 Work in subgroups on items 7.1, 7.2 and 7.3
- 5.00 - 5.30 Reports from subgroup heads
- 8.00 - 10.00 6.1 Meeting of the interoperability development body

Tuesday February 11

- | | |
|-------------|--|
| 8.30 - 5.00 | Processing of subgroup papers from items 7.1, 7.2 and 7.3, followed by work in subgroups on items 7.1, 7.2 and 7.3 |
| 5.00 - 5.30 | Reports from subgroup heads |

Wednesday February 12

- | | |
|--------------|---|
| 8.30 - 12.30 | 7.4 Determination of final proposed content of Fortran 2000 |
| 2.00 - 5.00 | Work in subgroups on items 8.1, 8.2 and 8.3 |
| 5.00 - 5.30 | Reports from subgroup heads |
| 8.00 - 10.00 | 6.2 Meeting of the conditional compilation development body |

Thursday February 13

- | | |
|-------------|--|
| 8.30 - 4.00 | Processing of subgroup papers from items 8.1, 8.2 and 8.3, followed by work in subgroups on items 8.1, 8.2 and 8.3 |
| 4.00 - 5.00 | Preliminary discussion of proposed resolutions |
| 5.00 - 5.30 | Reports from subgroup heads |

Friday February 14

- | | |
|--------------|---|
| 8.30 - 12.30 | Completion of subgroup work on items 8.1, 8.2 and 8.3, and item 9 |
| 2.00 - 5.30 | Agenda items 10 and 11 |

Note that although the days on which the various items will be discussed are intended to be as shown, all times are only approximate and are subject to alteration in the light of circumstances.

All delegates will be assigned to one of three technical subgroups: High Performance Computing (HPC), Data Extensibility (DATA), and Miscellaneous (MISC). These subgroups will function throughout the meeting, as indicated above, both for identification of requirements (7.1, 7.2 and 7.3) and development of requirements (8.1, 8.2 and 8.3). The provisional subgroup heads are: HPC - Dick Hendrickson, assisted by Baker Kearfott; DATA - Manuela Zrn, assisted by John Cuthbertson; MISC - Stan Whitlock, assisted by Christian Weber.

Note also that items 6.1 and 6.2 will be discussed by their respective development bodies in the evenings of Monday and Wednesday, respectively, continuing on Thursday evening if necessary, with full WG5 consideration being limited to discussion of draft resolutions recommended by these development bodies.

Appendix B

J3 Register of Documents for 1997

Standing Documents

<u>Paper Number</u>	<u>Title</u>
J3/97-000	Register of Documents
J3/97-001	Membership List
J3/97-002	(Unused)
J3/97-003	X3J3 Member References
J3/97-004	Journal of Development
J3/97-005r1	X3J3 Resolutions and Responses to WG5 Resolutions
J3/97-006	Defect Report
J3/97-007	Draft Revision to Fortran 95
J3/97-008	Editorial Considerations for Fortran 2000 Draft Revision
J3/97-009	Technical Proposals for Future Revisions
J3/97-010	J3 Fortran 2000 Work Plan
J3/97-011	- 97/100 are currently unassigned

1997 Papers

<u>Paper Number</u>	<u>Submitter</u>	<u>Date</u>	<u>Title</u>
J3/97-101	Bleikamp	970117	Functional Specification for Derived Type I/O (WG5-N1246)
J3/97-102	Bleikamp	970115	Syntax and Edits for Async I/O
J3/97-103	Maine	970124	Specs and Preliminary Syntax for R.3 Procedure Pointers
J3/97-104r2	Maine	970114	Specifications and Syntax for R.5 Parameterized Derived Types
J3/97-105	Kearfott	970118	Interval Arithmetic - The Data Type and Low-Level Operations
J3/97-106	Cuthbertson	970126	A Proposal for OO Features in Fortran (J3/96-172)
J3/97-107	Hennecke	961203	Interoperability with C and Binding to POSIX.1 (WG5-N1235)
J3/97-108	Hennecke	961220	Interoperability Technical Report (WG5-N1237)
J3/97-109	Dedo	970106	Variable Format Expressions - Technical Specification (WG5-N1241)
J3/97-110	Dedo	970106	Command Line Arguments and Environmental Variables (WG5-N1242)
J3/97-111	Epstein	970112	Part III, Conditional Compilation
J3/97-112	Rolison	970117	cpp-Like Source Processing (CoCo)
J3/97-113	Kearfott	970124	Interval Intrinsic Functions
J3/97-114r2	Snyder	970122	Proposals for Discussion for Fortran 95, Fortran 2000, and Fortran 2005
J3/97-115	Dedo	970124	Strategic Planning Assumptions for Fortran 2000
J3/97-116	Dedo	970124	General Planning Considerations for Fortran 2000
J3/97-117	Clodius	970207	Parametric Procedures and Modules
J3/97-118	Clodius	970207	Example Syntaxes for Parametric Procedures and Modules
J3/97-119	Clodius	970207	Critical Issues for Object-Oriented Fortran
J3/97-120	Snyder	970210	Extended TYPE and SUBTYPE Notation for Fortran
J3/97-121	Snyder	970210	Impact of Uniform Syntax on Parallel Computation
J3/97-122	Snyder	970210	Comments on SC22/WG5/N1188: Class Inheritance and Dynamic Binding Polymorphism in Fortran 2000
J3/97-123	Snyder	970210	Alternative to N1237 and 97-108
J3/97-124	Cuthbertson	970211	/Data Category-1 Requirements
J3/97-125	Bierman /HPC	970211	Assertions
J3/97-126	Bierman /HPC	970211	IEEE I/O
J3/97-127	Zongaro /HPC	970211	Pointer Association Classes
J3/97-128	Whitlock/MISC	970211	MISCellaneous Requirements for F2000
J3/97-129r1	van Waveren	970211	Volatile Requirement
J3/97-130	Ellis	970211	Objection to the Proposed Cancellation of Project 1.24.02.09 CD of GKS Fortran Binding
J3/97-131	Cohen	970211	Single Inheritance Model
J3/97-132	Cuthbertson	970211	/Data Category-2 Requirements
J3/97-133	Reid	970212	Schedule for Fortran 2000
J3/97-134	Reid	970212	Strategic Plan for Fortran Standardization (WG5-N1151)
J3/97-135	Hennecke	970212	Required Changes to N1237 (97-108)
J3/97-136	Kearfott	970213	Interval Relational Operators

J3/97-137r1	Dedo	970213	Fortran-Like CoCo Scribe Notes (WG5-N1266)
J3/97-138r1	Ellis	970213	Content of Fortran 2000
J3/97-139	Ellis	970213	Result of SC22 Ballot on Technical Corrigendum 3 to IS 1539:1991
J3/97-140r1	Wagener	970213	Requirements Priorities
J3/97-141	Bierman	970213	Interval Intrinsic (Exceptions)
J3/97-142r2	Muxworthy	970213	Resolutions of the WG5/J3 Joint Meeting on February 10 to 14, 1997, in Las Vegas, Nevada
J3/97-143	Hendrickson	970213	Mixed Mode Interval Calculations Prohibited
J3/97-144	Bleikamp	970213	Copyin/Copyout and Async I/O
J3/97-145	Cohen	970213	Derived Type Encapsulation
J3/97-146	Reid	970213	Internationalization
J3/97-147r1	Maine	970213	Specifications and Preliminary Syntax for R.3, Procedure Pointers (97-103)
J3/97-148	Ellis	970214	WG5 Numbers for J3 Papers
J3/97-149	North	970214	Meeting 140 Treasurer's Report
J3/97-150	Meissner	970214	Meeting 140 Minutes

Appendix C

Future Meetings and Distribution/Secretarial Assignments

Meeting conventions:

- 4 meetings per year
- attempt to schedule second full week of month
- attempt to schedule meeting back to back with WG5 annual meeting

Future meeting schedule:

- 142 Aug 11-15, 1997 - Breckenridge, Colorado (L. Rolison/J. Adams/M. North, acting hosts)
 Pre-meeting distribution deadline: July 7, 1997
 Pre-meeting distribution: Electronic
 Post-meeting distribution: Electronic (K. Bierman, if needed)
 Acting secretary: W. Brainerd
- 143 November 10-14, 1997 in Las Vegas, NV (M. North, acting host)
 Pre-meeting distribution deadline: October 6, 1997
 Pre-meeting distribution: Electronic
 Post-meeting distribution: Electronic (K. Hirschert, if needed)
 Acting secretary: J. Cuthbertson
- 144 February 16-20, 1998 in Lafayette, LA {B. Kearfott, host}
 Pre-meeting distribution deadline: January 12, 1998
 Pre-meeting distribution: Electronic
 Post-meeting distribution: Electronic (R. Maine, if needed)
 Acting secretary: D. Epstein
- 145 May, 1998 in Terre Haute, IN (M. North, host)
 Pre-meeting distribution deadline: April ??, 1998
 Pre-meeting distribution: Electronic
 Post-meeting distribution: Electronic (L. Rolison, if needed)
 Acting secretary: D. Hendrickson

Committee materials availability:

Agenda and meeting notice available at the J3 ftp site. Sent individually to other interested parties that specifically request to be sent the material either via surface mail or email.

REQUIREMENT: Distribution 4 Weeks prior to meeting (SD-2 4.3.3)

Pre and post meeting distribution available at the J3 ftp site. Sent individually to other interested parties that specifically request to be sent the material either via surface mail or email.

REQUIREMENT: Distribution of Pre-Meeting 2 Weeks before meeting (documents for action - two week rule: SD-2 4.3.4:1)

Minutes available at the J3 ftp site.

REQUIREMENT: Distribution 4 Weeks Following Meeting Adjournment (SD-2 4.2.5, 4.3.6)

Appendix D Committee Organization

D.1 Officers

Chair	J. Wagener
Vice Chair	L. Rolison
International Rep	K. Bierman
Secretary	Open (rotating)
Treasurer	M. North
Librarian	M. North
Editor	R. Maine
Maintenance	R. Bleikamp
Vocabulary Rep.	K. Hirschert

D.2 Subgroups

Due the changing nature of work that needs to be accomplished as the committee moves into development of the Fortran 2000 standard, work groups generally vary from meeting to meeting as the work load dictates. The Chair suggests work groups prior to each meeting and then the membership and responsibilities of each work group are fine-tuned (usually dependent on the actual attendance) the morning of the first meeting day. For this meeting, the work groups were (this was a joint meeting with WG5; only J3 members are listed in the work groups) :

- JOR: Responsible for the development and maintenance of the Journal of Development (standing document 004)
C. Dedo, L. Rolison, B. Runyan, S. Whitlock (Head)
- HPC: Responsible for numerical computing topics; in particular, high performance computing
K. Bierman, D. Hendrickson (Head), B. Kearfott, T. Warnock
- Data: Responsible for language design topics related to data and data structures such as procedure variables and parameterized derived types
J. Cuthbertson (Head), M. Ellis, D. Epstein, K. Hirschert, R. Maine, J. Martin
- I/O: R. Bleikamp (Head), W. Brainerd, L. Meissner, J. Adams

Appendix E Membership Summary

J3 Meeting Attendance (Principal Members)

Meeting #		130	131	132	133	134	135	136	137	138	139	140
Location		ED	MA	TX	HI	CO	CA	NV	NV	NV	NV	NV
Date		08	11	01	04	08	11	02	05	08	11	02
		94	94	95	95	95	95	96	96	96	96	97
<u>Name</u>	<u>Affiliation</u>											
Bierman, Keith	Sun	V	V	V	V	V	V	V	V	V	V	V
Brainerd, Walt	Unicomp	R	A	V	R	V	V	V	A	A**	V**	V
Cohen, Malcolm	Nag									P	E	V
Cuthbertson, John	EPC	RP	RP	A	RP	A**	RP	V	V	A	V	V
Dedo, Craig	self	A	V	V	V	V	V	V	V	V	V	V
Epstein, David	self			P	V	V	V	V	V	V	V	A
Hendrickson, Dick	self	V	A	V	A**	V	V	V	V	V	V	V
Hirschert, Kurt	U. of Illinois	V	V	V	V	V	V	V	V	V	V	V
Kearfott, R. Baker	self							P	V	V	V	V
Maine, Richard	NASA	A	V	V	V	V	V	V	V	V	V	V
Meissner, Loren	self							P	V	V	V	V
North, Mallory	Rose-Hulman	V	V	V	V	V	V	V	V	V	V	V
Rolison, Larry	SGI/CR	R	V	V	V	V	V	V	V	V	V	V
Runyan, Bob	Lahey	A	RP	A**	R	A**	RP	R	V	A	V	V
Sacks, Reva	HP	A	RP	RP	A	RP	A**	R	RP	RP	RP	V
Smith, Brian	UNM	A	R	R	V	A	A**	R**	R	A	R	R
Wagener, Jerry	Zvyvogs	V	V	V	V	V	V	V	V	V	V	V
Warnock, Tony	LANL		P	V	A	V	V	A	V	V	V	V
Whitlock, Stan	DEC	A	V	V	V	V	V	V	V	V	V	V
Zongaro, Henry	IBM	RP	RP	RP	V	RP	RP	A	V	V	A	V

V present and voting
 R absent but represented
 RP represented by a previous member from the same organization
 A absent and not represented
 P present but not voting
 E excused
 Q resigned
 ** missed 2 of last 3 meetings
 *** LOST membership

Total Membership at beginning of Meeting: 19
 One over Half: 11
 Quorum: 7
 Total Membership at end of Meeting: 20
 Total Members Attended or Represented: 19
 Total Attendees: 20

Changes since Meeting 139:

Lost Membership:

New Members: Malcolm Cohen

Other Changes:

Alternates representing principals at meeting:
 Jeanne Martin (for Brian Smith)

Visitors at Meeting:

Viktor Decyk, Charles Norton

Non-voting alternates present:

J. Adams, R. Bleikamp

Prospective members (observer meeting):

Van Snyder

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