

Minutes of Meeting 144

J3 ANSI Fortran Standards Committee

February 16 - 20, 1998

Lafayette, Louisiana

J3 / 98-142r2

J3 ANSI Fortran Standards Committee
Meeting 144 Minutes

J3 / 98-142r2
May 27, 1998

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Meeting 144 Minutes

1 Monday, February 16, 1998

A regular meeting was held at 8:30 a.m. on Monday, February 16, 1998 in the Conference Room at the Best Western Hotel Acadiana in Lafayette, LA. Jerrold Wagener was in the chair and Craig Dedo took the minutes.

1.1 Opening Business

Jerrold Wagener's term as Chair of J3 expired on January 31, 1998. NCITS has not notified us of his replacement. With the consent of the membership of J3, Jerrold Wagener will be Acting Chair of J3.

Larry Rolison, the Vice Chair, has not resigned but is not expected to attend the meeting, due to work responsibilities at his new job. His term as Vice Chair officially expires on February 28, 1998.

1.1.1 Meeting 144 Objectives and Chair's Report

Chair: Jerrold Wagener

The chair made 5 points:

1. C Interoperability is a major concern. There are 4 major approaches:
 - a. Fix up the existing Technical Report (TR)
 - b. Do a binding similar to what Ada has
 - c. Follow the approach in HPF-2
 - d. Something like 97-189

There is an official liaison with J11, the ANSI C Standards Committee. He is Tom McDonald, the Vice Chair of J11. His position is that the existing TR is the wrong approach.

2. It is important to get the OOF specifications and syntax into the standard.
3. Internationalization is a firm requirement for Fortran 2000.
4. Interval Arithmetic. There has been no response from WG5 on the change of direction from all of interval arithmetic to the seven (7) items of interval arithmetic enabling technologies.
5. Progress on the MTEs is not a major concern.

1.1.2 Adoption of the Agenda

Discussion Leader: Jerrold Wagener

Presented as mailed with changes proposed by J3 members (see Appendix A).

Motion: Adopt the agenda with the changes as proposed by Jerrold Wagener.

Moved: Stan Whitlock Second: Craig Dedo

Action: Passed by unanimous consent.

1.1.3 Approval of the Meeting 143 Minutes

Discussion Leader: Jerrold Wagener

Reference: 97-267, Meeting 143 Minutes

Motion: Approve the minutes as amended.

Moved: Stan Whitlock Second: Richard Maine

Action: Passed by unanimous consent.

1.1.4 NCITS/OMC Report

Discussion Leader: Jerrold Wagener

1.1.5 ISO/WG5 Report

Discussion Leader: Miles Ellis, Keith Bierman

1. There are 3 ballots in progress at the international level.
 - a. The TR on Floating Point Exception Handling
 - b. The TR on Allocatable Extensions
 - c. The Part 3 of Fortran on Conditional Compilation.
2. Fortran 95 was officially published on December 15, 1997.
3. Apparently, the officially approved document format for distributing ISO electronic documents is Microsoft Word.
4. There will need to be a revision of Part 2 of Fortran on Varying Strings.
5. There are major concerns in the international Fortran community about the apparent lack of progress on Interoperability with C and Interval Arithmetic. These will be major issues at the next WG5 meeting in June 1998.
6. Internationalization is still a firm requirement by JTC1 and SC22 for new technical projects. It is mandatory for new projects to answer questions on Internationalization. At the SC22 level, there is a new set of Technical Directions on Internationalization.

1.1.6 Treasurer's Report

Discussion Leader: Mallory North

Reference: 97-266, Treasurer's Report for Meeting 143

1.1.7 Beginning Membership Report

Discussion Leader: Kurt Hirschert

Membership Changes:

- Tim Butler left Hewlett-Packard. Richard Bleikamp is now the principal member from HP.
- Jon Steidel is now the principal member from Cray Research, a Silicon Graphics Company.
- John Cuthbertson has left Edinburgh Portable Compilers. It is unknown whether they will continue to be represented.

Current Membership: 20

Quorum: 8

One over half: 11

Members in Danger of Losing Membership:

Keng Low (Salford Software)

Non-voting Alternates:

Richard Maine (NASA)

Visitors:

Miles Ellis (Oxford University; Convenor of WG5)

Matthijs van Waveren (Fujitsu)

Wolfgang Walter (Technical University of Dresden)

1.1.8 Local Arrangements

Discussion Leader: Baker Kearfott

1.1.9 Comments from Members

Malcolm Cohen Fortran Futures 98 will be May 14-15 in London, England.

Stan Whitlock NIST is getting out of compiler validation. Digital still has contracts which require validation. There is no F90 or F95 validation suite. EDS wants to be a NIST successor.

1.2 Subgroup Assignments

Discussion Leader: Jerrold Wagener

Reference: Appendix D

JOR - Richard Bleikamp, Craig Dedo, Dick Hendrickson, Loren Meissner, Matthijs Van Waveren, Stan Whitlock (head)

- R.1 - User-Defined Derived-type I/O
- R.2 - Asynchronous I/O
- R.4g - Interval Arithmetic - Unanticipated Needs
- R.8 - Internationalization
- Minor Technical Enhancements (MTE)
- B items

Data - Malcolm Cohen (head), Kurt Hirschert, Richard Maine, Jeanne Martin, Van Snyder

- R.3 - Procedure Pointers
- R.5 - Parameterized Derived Types
- R.6a - Inheritance
- R.6b - Polymorphism
- R.7 - Constructors / Destructors

Interval - Miles Ellis, Baker Kearfott (head), Wolfgang Walter, Tony Warnock

- R.4 - Interval Arithmetic (except for R.4g)

Interoperability - Keith Bierman, Miles Ellis, Jon Steidel, Henry Zongaro (head)

- R.9 - Interoperability with C

Interpretations - Richard Bleikamp, Malcolm Cohen, Jon Steidel, Stan Whitlock (head), Henry Zongaro**1.3 Subgroup Meetings****1.4 Subgroup Reports**

Call to order at 4:30 p.m.

Recess at 4:55 p.m.

2 Tuesday, February 17, 1998

Call to order at 8:30 a.m.

2.1 F2000 R Item Processing

Motion: Approve 98-119, Fortran Character Set, as technical specification for item R.4b, Additions to Character Set, as amended.

Moved: Baker Kearfott Second: Craig Dedo

Action: Passed by unanimous consent

2.2 F2000 MTE Item Processing

Motion: Promote item B.1, VOLATILE Attribute and Statement, to MTE status and make it active work item MTE #19.

Moved: Stan Whitlock Second: Keith Bierman

Action: Passed on a counted vote by show of hands. Yes - 13 No - 1

2.3 Tutorial on issues related to R.4g - Module Enhancements for Interval Arithmetic

Title: Separating Interface from Implementation

Discussion Leader: Van Snyder

Reference: 98-104

There was no scribe for the discussion.

2.4 Subgroup Meetings

2.5 Subgroup Reports

Call to order at 4:30 p.m.

Discussion on M.18, Command Line Arguments.

There are two basic approaches:

1. Add to the PROGRAM statement (like Java, C, C++, etc.)
2. Use intrinsic procedures (like existing vendor extensions)

Straw Vote: Which approach do you prefer?

7 Program Statement
9 Procedures
2 Undecided

Straw Vote: Which approach is acceptable?

Program Statement	14	Yes	2	No	2	Undecided
Procedures	15	Yes	1	No	2	Undecided

Recess at 5:06 p.m.

3 Wednesday, February 18, 1998

Call to order at 8:30 a.m.

Tony Warnock in the chair.

3.1 F2000 R Item Processing

Interval

Discussion of 98-127, Control of I/O Rounding

Straw Vote: Which approach do you like?

2 Attached to I/O list item
12 Attached to FORMAT expression
5 Undecided

The Interval subgroup will refine 98-111 and come back on Thursday.

Straw Vote: Should we include the standard intrinsic functions (e.g., sin() and friends) in the scope of this work item?

0 Include 8 Exclude 10 Undecided

Data

Motion: Approve 98-121, Edits for Procedure Pointers, as edits for R.3, Procedure Pointers, as amended

Moved: Van Snyder Second: Richard Maine

Action: Passed by unanimous consent

Motion: Approve edits from 98-122, Partial Edits for R.5, PDTs, as edits for R.5, Parameterized Derived Types, as amended

Moved: Richard Maine Second: Van Snyder

Action: Passed by unanimous consent

3.2 F2000 MTE Item Processing

Motion: Promote item B.2, Allow PUBLIC Entities of PRIVATE Type, to MTE status and make it active work item MTE #20.

Moved: Stan Whitlock Second: Richard Maine.

Action: Passed by unanimous consent.

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Motion: Approve 98-123 as technical specification, syntax, and edits for MTE #20.
Moved: Stan Whitlock Second: Malcolm Cohen
Action: Passed by unanimous consent.

Motion: Approve 98-120, Additional Edits for M.5: Extend Max & Min Intrinsic to CHARACTER Type.
Moved: Loren Meissner Second: Stan Whitlock
Action: Withdrawn. The edit is not necessary.

Discussion on 98-124, Explicitly Typed Array Constructors.

Discussion Leader: Richard Maine

Straw Vote: Should we investigate explicitly typed array constructors along these general lines?

15 Yes 0 No 3 Undecided

Discussion on 98-132, Interoperability with C Specifications

Discussion Leader: Henry Zongaro

Straw Vote: Should the specification support function pointers?

17 Yes 0 No 0 Undecided

Straw Vote: Should the specification support the dereferencing of C pointers on the Fortran side?

5 Yes 0 No 13 Undecided

3.3 Subgroup Meetings

3.4 Subgroup Reports

Call to order at 4:30 p.m.

Jerrold Wagener in the chair.

Recess at 4:53 p.m.

4 Thursday, February 19, 1998

Call to order at 8:30 a.m.

4.1 F2000 R Item Processing

Motion: Approve 98-134, Edits for Derived-Type I/O, as edits for R.1, Derived-Type I/O.

Moved: Richard Bleikamp Second: Stan Whitlock

Action: Withdrawn.

Motion: Approve 98-111r1, 4d: Control of Interval Arithmetic rounding, specs, and Syntax, as preliminary technical specification for R.4d, Control of I/O Rounding.

Moved: Baker Kearfott Second: Craig Dedo

Action: Passed by unanimous consent.

4.2 F2000 MTE Item Processing

Motion: Approve 98-131r1, M.17: Complex Constants Edits, to satisfy edits for M.17, Enhanced Complex Constants.

Moved: Stan Whitlock Second: Richard Maine

Action: Passed by unanimous consent.

Discussion on 98-135, Command Line Arguments - Specs, Syntax, Edits

4.3 Tutorial on issues pertaining to R.6b

Tutorial on Inheritance Overview

Discussion Leader: Malcolm Cohen

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Reference: 98-133, Object Orientation Tutorial - R.6a, Inheritance

4.4 International Concerns

Presentation: Future of Fortran

Discussion Leader: Wolfgang Walter

4.5 Subgroup Meetings

Recess for subgroups at 12:10 p.m.

4.6 Subgroup Reports

Call to order at 3:30 p.m.

Motion: Approve 98-132r1, Interoperability with C: Specifications, as technical specifications for R.9, Interoperability with C.

Moved: Henry Zongaro Second: Craig Dedo

Action: Passed by unanimous consent.

4.8 US TAG Meeting

Recess for US TAG meeting at 4:00 p.m.

5 Friday, February 20, 1998

Call to order at 8:30 a.m.

5.1 F2000 R Item Processing

Motion: Approve 98-134r1, Edits for Derived-Type I/O, as edits for R.1, Drived-Type I/O, as amended.

Moved: Richard Bleikamp Second: Stan Whitlock

Action: Passed by unanimous consent.

Discussion on Polymorphism (Dynamic Dispatch) Syntax

Discussion Leader: Malcolm cohen

References: 98-136, R.6b - Polymorphism (Dynamic Dispatch) Syntax
98-140, Generic Type Bound Procedures

5.2 F2000 MTE Item Processing

Motion: Approve 98-112r1, VOLATILE Requirement, as technical specification and syntax for M.19, VOLATILE Requirement.

Moved: Stan Whitlock Second: Dick Hendrickson

Action: Passed by unanimous consent

Motion: Approve 98-135r1, Command Line Arguments - Specs, Syntax, Edits, as technical specification, syntax, and edits for M.18, Command Line Arguments, as amended.

Moved: Richard Bleikamp Second: Stan Whitlock

Action: Passed by unanimous consent.

Straw Vote: Should we pursue a procedure-based approach in addition to the PROGRAM statement approach?

3 Yes 11 No 4 Undecided

Straw Vote: What approach should we take for environment variables?

10 Procedures

1 PROGRAM statement

7 Undecided

5.3 Tutorial on issues pertaining to R.9

Tutorial on Syntax for Interoperability with C

Discussion Leader: Jon Steidel

Reference: 98-139, Interop Tutorial on Syntax Direction

5.4 Closing Business

5.4.1 Work Assignments

The following table presents the work assignments that each member has accepted.

Membership List (document 98-001)	Kurt Hirchert
Meeting Announcement	Mallory North
Draft Agenda	Tony Warnock
Meeting Locations	Mallory North
Acting Secretary	Craig Dedo
Appendix A - Final Agenda	Jerrold Wagener
Appendix B - Document List	Mallory North
Appendix C - Future Meetings	Mallory North
Appendix D - Committee Organization	Jerrold Wagener
Appendix E - Membership Summary	Kurt Hirchert
Appendix F - Membership List	Kurt Hirchert

5.4.2 Review of Meeting 144 Action Items

Discussion Leader: Craig Dedo

There were no action items outstanding.

5.4.3 Future Meetings

See also Appendix C.

Meeting 145 is in Terre Haute, IN on May 25-29, 1998. The hotel is the Drury Inn, on the northeast corner of I-70 and US-41.

Meeting 146 is in San Diego, CA on August 10-14, 1998 at the Handler Hotel.

Meetings 147 - 149 (November 1998, February 1999, and May 1999) are in Las Vegas, NV at the Sunrise Suites Hotel.

Meeting 150 (July or August 1999) may be in Oxford, England.

Meetings 151 - 153 (November 1999, February 2000, and May 2000) will be in Las Vegas, NV.

Meeting 154 (August 2000) will be in Seattle, WA.

The 1998 WG5 meeting will be June 8-12, 1998 in Trollhatten, Sweden.

The 1999 WG5 meeting may be in France. If they cannot host it, the UK will host it.

The 2000 WG5 meeting will be in Finland.

5.4.4 Treasurer's Report

Discussion Leader: Mallory North
Reference: 98-141, Meeting 144 Treasurer's Report

5.4.5 Closing Membership Report

Discussion Leader: Kurt Hirschert
See also Appendix E.

Memberships Lost:

Keng Low (Salford Software)

Members in Danger of Losing Membership:

Jeanne Adams & Walt Brainerd (alt.) (NCAR)
Graham Barber & John Cuthbertson (alt.) (Edinburgh Portable Compilers)

Current Membership: 20
One Over Half: 11
Quorum: 7

Parliamentary Inquiry by Loren Meissner: Do we have a Vice Chair any longer?

Answer by Jerrold Wagener: NCITS no longer appoints the Vice Chair. J3 can have a Vice Chair if it wants one. If it does, then the Chair appoints the Vice Chair.

Jerrold Wagener, the outgoing Chair, announced that he will not attend the next two meetings, nor will he go to the WG5 meeting in Sweden. He will resign his J3 membership soon after the meeting adjourns. He will continue to maintain the J3 web page.

5.4.6 Comments from Members

There were no comments from members.

The meeting adjourned at 11:45 a.m.

Appendix A
Agenda for J3 Meeting 144
(As Adopted)

1. Monday, Feb 16, 1998 8:30 am

- | | |
|--|----------------------|
| 1.1 Opening business | J. Wagener |
| Remarks from the chair | J. Wagener |
| Adoption of agenda | J. Wagener |
| Approval of Meeting 143 minutes (97-267) | J. Wagener |
| NCITS/OMC report | J. Wagener |
| ISO/WG5 report | M. Ellis, K. Bierman |
| Treasurer's report | M. North |
| Beginning membership report | K. Hirschert |
| Local arrangements | B. Kearfott |
| Comments from members | |
| 1.2 Subgroup organization | J. Wagener |
| 1.3 Subgroup meetings | |
| 1.4 Subgroup reports (4:30 pm) | |

2. Tuesday, Feb 17, 1998 8:30 am

- | | |
|---|----------------|
| 2.1 F2000 R item processing) | Subgroup heads |
| 2.2 F2000 MTE item processing | S. Whitlock |
| 2.3 F95 interpretation processing | S. Whitlock |
| 2.4 Tutorial on issues pertaining to R.4g | V. Snyder |
| 2.5 Subgroup meetings | |
| 2.6 Subgroup reports (4:30 pm) | |

3. Wednesday, Feb 18, 1998 8:30 am

- | | |
|-----------------------------------|----------------|
| 3.1 F2000 R item processing | Subgroup heads |
| 3.2 F2000 MTE item processing | S. Whitlock |
| 3.3 F95 interpretation processing | S. Whitlock |
| 3.4 Subgroup meetings | |
| 3.5 Subgroup reports (4:30 pm) | |

4. Thursday, Feb 19, 1998 8:30 am

- | | |
|---|----------------|
| 4.1 F2000 R item processing | Subgroup heads |
| 4.2 F2000 MTE item processing | S. Whitlock |
| 4.3 F95 interpretation processing | S. Whitlock |
| 4.4 Tutorial on issues pertaining to R.6b | M. Cohen |
| 4.5 International Concerns | W. Walter |
| 4.6 Subgroup meetings | |
| 4.7 Subgroup reports (3:30 pm) | |
| 4.8 TAG meeting (4:00) | K. Bierman |

5. Friday, Feb 20, 1998 8:30 am

- | | |
|--|----------------|
| 5.1 F2000 R item processing | Subgroup heads |
| 5.2 F2000 MTE item processing | S. Whitlock |
| 5.3 F95 interpretation processing | S. Whitlock |
| 5.4 Tutorial on issues pertaining to R.9 | J. Steidel |
| 5.5 Closing business | |
| Review of action items (if any) | |
| Future meetings | M. North |
| Treasurer's report | M. North |
| Closing membership report | K. Hirschert |
| Comments from members | |

Note: "MTE item processing" includes consideration of "B" items as MTE candidates

Appendix B
J3 Register of Documents for 1998

Standing Documents

<u>Paper Number</u>	<u>Title</u>
J3/98-000	Register of Documents
J3/98-001	Membership List
J3/98-002	(Unused)
J3/98-003	J3 Member References
J3/98-004	Journal of Requirements
J3/98-005r1	J3 Resolutions and Responses to WG5 Resolutions
J3/98-006	Defect Report
J3/98-007	Draft Revision to Fortran 2000
J3/98-008	Editorial Considerations for 9X Draft Revision
J3/98-009	Technical Proposals for Future Revisions
J3/98-010	Fortran 2000 Work Plan

1998 Papers

PAPERS SUBMITTED FOR J3 MEETING 144
LAFAYETTE, LOUISIANA, FEBRUARY 16 - 20, 1998

<u>Paper Number</u>	<u>Date</u>	<u>Submitter</u>	<u>Title</u>
J3/98-100	971112	Clodius	Multimethods and OOF
txt			
J3/98-101	971120	Maine	Interpretation Request: Character Array Constructors
txt			
J3/98-102	971119	Wagener	Command Line Arguments ala Java
ps, pdf			
J3/98-103	971119	Wagener	Inheritance, Java Style
ps, pdf			
J3/98-104	971128	Snyder	Enhancing Modules I - Separate Interface and Implementation
ps			
J3/98-105	971208	Snyder	Enhancing Modules II - Extensibility for Object Oriented Programming
ps			
J3/98-106	971208	Snyder	Enhancing Modules III - Miscellaneous
ps			
J3/98-107	971210	Wagener	HPF Version of C Interoperability
ps, pdf			
J3/98-108	980105	Snyder	Tutorial on Object Oriented Program-
ps		ming	
J3/98-109	980123	Schulz	Object Oriented Programming in F2000
ps			
J3/98-110	980128	Maine	Edits Incorporated in 98-007
txt			
J3/98-111r2	980129	Hendrickson	4d: Control of Interval Arithmetic Rounding, Specs and Syntax
txt			
J3/98-112r2	980130	van Waveren	VOLATILE Requirement
txt, pdf			
J3/98-113	980130	Hendrickson	4f: Constants for Opaque Data Types
txt			
J3/98-114	980130	Corbett	Fortran 95 Request for Interpretation
txt			
J3/98-115	980201	Dedo	Command Line Arguments & Environmental Variables: Proposal - Iterative Model
wpd, ps, txt, htm			
J3/98-116	980201	Dedo	Command Line Arguments & Environmental Variables: Ideas for Straw Votes
wpd, ps, txt, htm			
J3/98-117	980209	Cohen	Interpretation Request on Elemental Procedures
txt			
J3/98-118	980212	Cohen	Polymorphism Design Decisions
txt			
J3/98-119	980216	Warnock	Fortran Character Set
J3/98-120	980216	Meissner	Additional Edits for M.5: Extend Max and Min Intrinsic to Character Type
txt			
J3/98-121r1	980217	Snyder	Edits for Procedure Pointers

ps
J3/98-122r1 980217 Maine Partial Edits for R.5, PDT's
txt
J3/98-123 980217 Maine Edits for B.2, Public Entities of Private Type
txt
J3/98-124 980217 Maine Explicitly Typed Array Constructors
txt
J3/98-125 980217 Snyder Illustrations for 98-104 and 98-105
ps
J3/98-126r1 980217 Kearfott Per Operation Rounding Modes
J3/98-127 980217 Kearfott 4d: Control of I/O Rounding, Specs and syntax
J3/98-128 980217 Kearfott 4f: Constants for Opaque Types
J3/98-129 980217 Kearfott 4a: Flexible Optimization Control
J3/98-130 980217 Kearfott 4e: Specified Operator Precedence
J3/98-131r1 980217 Whitlock M17: Complex Constants Edits
txt
J3/98-132r1 980217 Zongaro Interoperability with C: Specifications
doc, ps, rtf
J3/98-133 980217 Cohen Object Orientation Tutorial - R6a Inheritance
txt
J3/98-134r2 980218 Bleikamp Edits for Derived Type I/O
txt
J3/98-135r2 980218 Bleikamp Command Line Arguments - Specs, Syntax, Edits
txt
J3/98-136 980219 Cohen R6b - Polymorphism (Dynamic Dispatch)
txt Syntax
J3/98-137 980219 Cohen Access to Extended Components
txt
J3/98-138 980219 Hirschert Syntax for INITIAL|FINAL Procedures
txt, ps, rtf
J3/98-139 980219 Steidel Interop Tutorial on Syntax Direction
txt, htm
J3/98-140 980220 Cohen Generic Type Bound Procedures
txt
J3/98-141 980220 North Meeting 144 Treasurer's Report
txt
J3/98-142 980220 Dedo Meeting 144 Minutes

Appendix C

Future Meetings and Distribution Assignments

Meeting Conventions:

- Four meetings per year
- Attempt to schedule second full week of the month
- Attempt to schedule meeting contiguous with WG5 annual meeting

Future meeting schedule:

- 145 May 25 - 29, 1998, in Terre Haute, IN, Mallory North, host
Premeeting distribution deadline: May 11, 1998
Premeeting distribution: electronic
Post-meeting distribution: electronic
Acting secretary: Malcolm Cohen
- 146 August 10 - 14, 1998, in San Diego, CA, Mallory North, acting host
Premeeting distribution deadline: July 27, 1998
Premeeting distribution: electronic
Post-meeting distribution: electronic
Acting secretary: Dick Hendrickson
- 147 November 9 - 13, 1998, in Las Vegas, NV, Mallory North, acting host
Premeeting distribution deadline: October 26, 1998
Premeeting distribution: electronic
Post-meeting distribution: electronic
Acting secretary: Van Snyder
- 148 February 8 - 12, 1999, in Las Vegas, NV, Mallory North, acting host
Premeeting distribution deadline: January 25, 1999
Premeeting distribution: electronic
Post-meeting distribution: electronic
Acting secretary: Henry Zongaro
- 149 May 10 - 14, 1999 in Las Vegas, NV, Mallory North, acting host
Premeeting distribution deadline: April 26, 1999
Premeeting distribution: electronic
Post-meeting distribution: electronic
Acting secretary: Kurt Hirchert

Committee materials availability:

- Agenda and meeting notice available at the J3 web site.
- Sent individually to other interested parties that specifically request to be sent the material either via surface mail or electronic mail.
- REQUIREMENT: Distribution 4 weeks prior to meeting (SD-2 4.3.3)
- Pre- and post-meeting distribution available at the J3 ftp and web sites.
- Sent individually to other interested parties that specifically request to be sent the material either via surface mail or electronic mail.
- REQUIREMENT: Distribution of pre-meeting 2 weeks prior to meeting.
(documents for action - two week rule: SD-2 4.3.4:1)
- Meeting minutes are available at the J3 web and ftp sites.

ftp site: [ftp.nasa.uiuc.edu/x3j3/doc/meeting/144](ftp://nasa.uiuc.edu/x3j3/doc/meeting/144)

ftp mirror site: [ftp.dfrc.nasa.gov/pub/x3j3/nasa/doc/meeting/144](ftp://dfrc.nasa.gov/pub/x3j3/nasa/doc/meeting/144)

J3 World Wide Web site URL: <http://www.ionet/~jwagener/J3>

Appendix D Committee Organization

D.1 Officers and Management

Chair	vacant
International Rep.	K. Bierman
Secretary	Open (rotating; C. Dedo acting for this meeting)
Treasurer	M. North
Librarian	M. North
Editor	R. Maine (WG5 appointment)
Maintenance	S. Whitlock
Vocabulary Rep.	K. Hirschert
Future Meetings	M. North
Membership List	K. Hirschert

D.2 Subgroups

JOR: Responsible for the maintenance of the Journal of Development (standing document 004) and managing the following Fortran 2000 requirements: R.1, R.2, R.8, and all MTE and B items.

S. Whitlock (head), R. Bleikamp, C. Dedo, D. Hendrickson, L. Meissner

DATA: Responsible for language design topics related to data and data structures; manages the following Fortran 2000 requirements: R3, R5, R6, and R7.

M. Cohen (head), K. Hirschert, R. Maine, J. Martin, V. Snyder

INTERVAL:

Responsible for R.4 (enabling technologies for interval arithmetic).

B. Kearfott, T. Warnock, W. Walter

INTEROP:

Responsible for R9 (interoperability with C).

K. Bierman, J. Steidel, H. Zongaro

INTERP:

Responsible for evaluating interpretation requests, providing responses to such requests, and maintaining standing document 006. (The following core membership of this subgroup all have other subgroup assignments, and other members of the committee may be called upon to provide expertise for specific issues).

S. Whitlock (head), R. Bleikamp, M. Cohen, J. Steidel, H. Zongaro

Appendix E
Membership Summary

Meeting #	134	135	136	137	138	139	140	141	142	143	144
Location (state)	CO	CA	NV	NV	NV	NV	NV	NV	CO	NV	LA
Date (month year)	08 95	11 95	02 96	05 96	08 96	11 96	02 97	05 97	08 97	11 97	02 98

Name	Affiliation	134	135	136	137	138	139	140	141	142	143	144
Adams, Jeanne	self	RP	RP	RP	RP	RP	RP	P	V	A	A**	
Bierman, Keith	Sun Microsystems	V	V	V	V	V	V	V	V	V	V	V
Bleikamp, Richard	Hewlett-Packard	RP	A**	V	RP	RP	RP	RP	RP	RP	RP	V
Cohen, Malcolm	NAG					P	E	V	V	V	R	V
Cuthbertson, John	EPCC	A**	RP	V	V	A	V	V	V	A	V	A**
Dedo, Craig	self	V	V	V	V	V	V	V	V	V	V	V
Hendrickson, Dick	self	V	V	V	V	V	V	V	V	A	V	V
Hirchert, Kurt	Univ. of Illinois	V	V	V	V	V	V	V	V	V	V	V
Kearfott, Baker	self			P	V	V	V	V	V	V	A	V
Low, Keng	Salford Software							P	V	A	A**	A***
Meissner, Loren	self			P	V	V	V	V	V	V	V	V
North, Mallory	Rose-Hulman	V	V	V	V	V	V	V	V	V	V	V
Smith, Brian	Univ. Of New Mexico	A	A**	R**	R	A	R	R	R	R	R	R
Snyder, Van	JPL/Caltech							P	V	V	V	V
Steidel, Jon	SGI/Cray	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	V
Wagener, Jerry	Zvyvogs	V	V	V	V	V	V	V	V	V	V	V
Warnock, Tony	Los Alamos Natl Lab	V	V	A	V	V	V	V	V	V	V	V
Whitlock, Stan	DEC	V	V	V	V	V	V	V	V	V	V	V
Zongaro, Henry	IBM	RP	RP	A	V	V	A	V	V	V	V	V

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

New Members:
(None)

Alternates Representing principals at meeting:
Jeanne Martin rep. Brian Smith

Nonvoting Alternates present:
Richard Maine, alt. For Malcolm Cohen

Visitors at Meeting:
TMR Ellis. WG5 Convenor
Matthijs van Waveren (Fujitsu)
Wolfgang Walter (Tech. Univ. Dresden)

Prospective Members (Observer Meeting)
(None)

Changes since Meeting 143

Lost Members:
Keng Low (Salford Software)

Total membership at beginning of meeting 144	19
Majority	10
Quorum	7
Total membership at end of meeting 144	18
Total members attended or represented at 144	16
Total attendees at meeting 144	19

Appendix F
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J3 ANSI Fortran Standards Committee
Meeting 144 Minutes

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J3 ANSI Fortran Standards Committee
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