Minutes of Meeting 143

J3 ANSI Fortran Standards Committee

November 10-14, 1997

Las Vegas, Nevada, United States

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The format of these minutes attempts, wherever possible, to follow the structure of the agenda (see Appendix A). If an agenda title is listed but there is no text for that title, it means that that portion of the meeting was unscribed or there was nothing of import to record.

1. Monday, November 10, 1997

1.1 Opening Business
Meeting 143 of the J3 Fortran Standards Committee was called to order at 8:30am.

1.2 Meeting Objectives (work plan: 97-010r3)
The J3 Chair outlined the main meeting objective was to continue processing of items listed in the Fortran 2000 Work Plan, namely:

- R3 (97-248r1, 97-251, errata) *Procedure Pointers*; nothing scheduled for this meeting, but it may be useful to get a start on processing the edits for this item.
- R5 (97-104r2) *Parameterized Derived Types*; edits are scheduled for this meeting.
- R8 (97-146) *Internationalization*; specs are scheduled to be approved at this meeting.
- R9 (97-154) *Interopability with C*; item to be progressed this week.
- M1 (97-236) *Increased stmt length*; edits are scheduled for this meeting.
- M5 (97-249) *Extend MAX/MIN to character strings*; specs are scheduled for this meeting.
- M6 (97-259) *Enhanced Initialization Expressions*; specs are scheduled for this meeting.
- M15 (WG5#41) *Renaming Defined Operators*; specs to be completed at this meeting.
- M16 (97-197r1) *Derive-type Assignment Fix*; will not be processed at this meeting.
- M17 (97-252) *Enhanced Complex Constants*; specs are to be completed at this meeting.

The /INTERP subgroup was reconvened in Breckinridge and there was some opinion that the processing of interpretations, raised against Fortran 95, should start at this meeting.

1.3 Adoption of Agenda
There were a small number of changes made to the draft agenda. See Appendix A for the final form of the meeting agenda.

**Motion**: (Whitlock/Maine): “Approve the agenda as amended.” Motion passed by unanimous consent.

1.4 Approval of Meeting 142 minutes (97-233)
A small number of errors were highlighted by Synder and Zongaro.
Motion: (Whitlock/Snyder): “Approve Meeting 142 minutes as amended.” Motion passed by unanimous consent.

1.5 Secretarial Arrangements
The office of secretary is a revolving post. The acting secretary for Meeting 143 is John Cuthbertson; Craig Dedo is scheduled to be acting secretary at Meeting 144.

1.6 NCITS/OMC Report
(a) The five year review of the Fortran 90 Standard was due in October 1997. OMC (without a recommendation from J3) reaffirmed the F90 Standard for five more years. Ron Silletti, J3’s OMC liaison, indicated that OMC would reconsider their action if J3 recommends withdrawal of the F90 Standard.

(b) A committee vote on SD-3 (97-220) is required at this meeting. SD-3 was forwarded to NCITS in time for their last meeting. SD-3 was in the new NCITS format and they were extremely happy with the layout. However SD-3 was not approved and the reason NCITS gave was it was “too good”. A hypertext link in SD-3 referenced a paper from the WG5 convenor regarding market potential. One person at NCITS objected to the content of this paper and wanted SD-3 to be withdrawn.

(c) The first call for applications for the (soon to be vacant) office of J3 Chair closed on 25 September 1997. No applications for the office were received and NCITS indicated that a further call for application would be issued in early October. So far the second call has not been issued and no information has been received from NCITS regarding this matter. It is understood that a second call will result in one applicant (Tony Warnock) unless any objection is raised. Tony Warnock indicated that funding has been approved for a two year appointment. It is unknown whether the new chair will be appointed in time for Meeting 144.

1.7 Other Reports

1.8 Treasurer’s Report
All bills from the last meeting have been settled, and there was one between-meeting expenditure. The balance as of November 7 is $1694.03. At this meeting the meeting room will have to be paid for as only 17 rooms have been reserved. The meeting fee (which was set in Breckinridge) is $50; checks should be made payable to “X3J3”.

1.9 Beginning Membership Report.
The committee currently has 19 members. J. Adams, R. B. Kearfott, and K. Low are absent and not represented at this meeting. R. Maine is representing M. Cohen. For this meeting the majority is 10 and the quorum is 7.

One visitor on Tuesday: Bill Clodius.
1.10 Local Arrangements

1.11 Comments from Members
There were comments from several members about the repercussions of the J3 web page and its contents.

1.12 Discussion on Second Call for J3 Chair
See (c) under agenda item 1.6.

1.13 Subgroup Organization
The technical subgroups for this meeting were organised as follows:

JOR: Whitlock (head), Adams (absent), Bleikamp, Dedo, Hendrikson, Meissener.
Primarily responsible for the processing of R1, R2, R4 (module fix ups), Minor Technical Enhancements (MTEs), and B items.

DATA: Cuthbertson (head), Cohen (absent), Hirchert, Low (absent), Snyder, Maine, Martin.
Processing R3, R5, R6, and R7.

INTERVAL: Kearfott (head), Bierman, Warnock.
Processing of R4 (possibly as an intrinsic type) as discussed in 97-142.

INTEROP: Rollison (head), Butler, Zongaro.
Processing of R9 (C Interoperability).

INTERP: Whitlock (head), Bleikamp, Cohen (absent), Rollison, Zongaro.
Considering the interpretations raised against F95.

Before recessing for subgroup meetings there was a discussion about whether there should be a US TAG meeting held at this meeting.

Straw Vote: Should there be a US TAG meeting (Yes/No/Undecided)?
Yes / No / Undecided 2 / 8 / 5

Agenda item 3.8 (TAG Meeting) is now stricken from the agenda and subgroup reports will be given at 4:30pm on Wednesday.

The committee recessed at 10:15am for subgroup meetings. Subgroups will report at 4:30pm.

1.14 Subgroup Meetings
Meeting reconvened at 4:30pm for subgroup reports.
1.15 Subgroup Reports

/JOR Nothing for tomorrow. The following are /JOR items, and some may be processed on Wednesday:
R1: derived-type I/O (97-217r1); specs & syntax
R2: async I/O (97-216r2); syntax & uncompleted edits - more edits for this item are currently being investigated.
R4: module fix ups for Interval Arithmetic; 97-164, 97-181, 97-224r1 will be progressed by Dick Hendrickson
R8: internationalization (97-154); scope of this items will be finalized;
M1: increased statement length (97-236); edits
M5: MAX/MIN for character strings (97-249); specs
M6: extended initialization expressions (97-250); specs
M15: renaming derived operators; nothing for this meeting
M16: fix-up for derived type assignment; will not be processed at this meeting
M17: enhanced complex constants (97-252); specs & syntax.

INTERVAL Nothing for tomorrow.
R4: Interval Arithmetic - A discussion on interline optimization may take place later in the week, and a paper on extending the Fortran character set will appear shortly. Some straw votes on operator precedence may be taken later in the week.

DATA Nothing for tomorrow.
R6b: Polymorphism; A paper giving the syntax for declaring and referencing type-bound procedures should be ready on Wednesday for voting on Thursday.
R5: Parameterized Derived-types; A paper containing edits for this item should be ready at the end of the week. We don’t intend to move this paper - the edits will be moved at the next meeting.
R7: Constructors & Destructors; We expect to move a paper as specs for this item later in the week.

INTEROP The first meeting will held tomorrow (Tuesday) to investigate whether any work should be done on this item.

As /INTEROP is still to have its first meeting it was suggested that agenda item 2.1 be substituted with a committee vote on SD-3 (97-220). There was no objection to this amendment to the agenda.

INTERP Interpretation numbers are being assigned. Currently there are eleven interpretation requests:
#1 97-237; Visibility of a Data Object with Statement Scope
#2 97-238; Free source form requirement for blank in PRINT
2. Tuesday, November 11th, 1997
The meeting was called to order at 8:30am.

2.1 Committee Vote on SD-3 (97-220)
Vote (Dedo/Meissener) “Approve 97-220”

Bierman, Keith (Absent)
Butler, Tim Yes
Cuthbertson, John Yes
Dedo, Craig Yes
Hendrickson, Dick Yes
Hirchert, Kurt Yes
Kearfott, R. Baker (Absent)
Low, Keng (Absent)
Maine, Richard (alt. for: Cohen) Yes
Martin, Jean (alt. for: Smith) Yes
Meissner, Loren Yes
North, C. Mallory Yes
Rolison, Larry Yes
Snyder, Van Yes
Wagener, Jerry Yes
Warnock, Tony Yes
Whitlock, Stan Yes
Zongaro, Henry (Absent)

Result (14-Yes, 0-No, 4-Absent). 97-220 is approved.

2.2 Required Items Processing

2.3 MTE Processing
2.4 Interpretation Request Organization & Processing

Meeting recessed until 4:30pm for subgroup meetings.

2.5 Subgroup Meetings

Meeting reconvened at 4:30pm for subgroup reports.

2.6 Subgroup Reports

INTERVAL 97-257; additional requirements associated with implementing interval arithmetic as a derived-type have been identified and some straw votes will be taken tomorrow. Tomorrow there will also be a discussion and some straw votes on operator precedence.

DATA No papers for tomorrow. There was some disagreement in subgroup regarding part of item R6b: overriding type-bound procedures. Subgroup will process edits for R7 tomorrow.

INTEROP Met today for the first time and discussed high level design criteria. Concrete low level semantics will be deferred until J3 receives instruction from WG5 on how to proceed; the low level semantics will be equivalent to “specs” in the usual J3 development plan. A tutorial on the high level goals may be given on Thursday.

JOR M1: 97-236 increased statement length; vote tomorrow
M5: 97-249 MAX/MIN to character strings; vote tomorrow
M6: 97-250r1 extended initialization expressions; vote tomorrow
M17: 7-252 (not the edits) enhanced complex constants; discussion and possible vote.
Currently looking at questions raised by 97-235 regarding Async I/O.

INTERP Nothing for tomorrow. Continuing to look at remaining interpretation requests; papers containing edits for some of these may appear later in the week.

3. Wednesday, November 12th, 1997

The meeting was called to order at 8:30am.

3.1 Required Item Processing

- R4: Extending the Fortran character set (97-257)
  Straw vote: Add the rest of ASCII ‘95 printable characters to the Fortran character set?
  Yes / No / Undecided 12 / 1 / 3
Straw vote: Would you tolerate C-style trigraph characters?
Yes / No / Undecided 10 / 1 / 5

Note: JLW will send a note to the WG5 convenor regarding any possible international objections on this subject.

- R4: Discussion on Operator Precedence and allowing place holder operators.
  Straw vote: Are you in favor of precedence place holder operators (spelling and syntax not withstanding)?
  Yes / No / Undecided 3 / 6 / 7

3.2 MTE Processing
- M5 (97-249) Extend MAX/MIN to Character strings.
  Motion (Whitlock/Meissener) “Move paper 97-249.” Paper 97-249 withdrawn.

- M6 (97-250r1) Extended Initialization Expressions.
  Motion (Whitlock/Meissener) “Move paper 97-250r1.”
  Amendment: Remove the quotation marks around mathematical in 97-250r1.
  No objection to amendment.
  Motion passed by unanimous consent.

- M1 (97-236) Increased statement length.
  Motion (Whitlock/Rolison) “Move paper 97-236.”
  Amendment (Meissner/Dedo) “Amend ‘99’ to ‘999’ in edits.”
  Yes / No 5 / 7
  Amendment Fails.
  Amendment (Dedo/Van Snyder) “Amend ‘99’ to ‘449’ in edits.”
  Yes / No 6 / 8
  Amendment Fails.
  Motion (Whitlock/Rolison) “Move paper 97-236 as written.”
  Yes / No 14 / 1
  Motion passes.

- M17 (97-252) Enhanced complex constants.
  Motion (Whitlock/Rolison) “Move paper 97-252 as specs & syntax for M17.”
  Yes / No 10 / 3

3.3 JOR report on status of Category B Items

3.4 Interpretation Processing

3.5 Interval Arithmetic Sub Projects

Meeting recessed until 4:30pm for subgroup meetings.
3.6 Subgroup meetings

Meeting reconvened at 4:30pm for subgroup reports.

3.7 Subgroup Reports

JOR  R2: 97-262 Async I/O; discussion and extension to 97-235, but no vote.  
      M5: 97-249r1 extend MAX/MIN to character strings; vote tomorrow.  
      Interp #4: 97-240; discussion  
      Interp #7: 97-243; discussion on optional intrinsic arguments.

      Additionally there will be a formal vote to make item B5 (Command Line 
      Arguments) into a Minor Technical Enhancement (MTE).

DATA  R6b: 97-261 Polymorphism; discussion and possible straw vote.  
      R7: 97-256 Initializers/Finalizers; vote tomorrow.

INTERVAL  R4: 97-260 Interval Arithmetic; discussion and possible straw votes.

INTEROP  Subgroup did not meet today; nothing for tomorrow.

INTERP  No papers for tomorrow.

Ballot forms for August ‘98 meeting venue will also be handed out tomorrow.

4. Thursday, November 13th, 1997

The meeting was called to order at 8:30am. The J3 Vice chair gave the committee some 
      disturbing news, and informed the committee that he had to leave urgently. The committee 
      recessed until 9:30am.

4.1 Required items processing

- R2: Async I/O (97-262)  
  Motion (Blekamp/Whitlock) “Move paper 97-262 as further edits for Async I/O.”  
  Motion passed by unanimous consent.

- R4: Interval Arithmetic (97-260)  
  A discussion about rounding was conducted. No votes were taken.

- R6b: Polymorphism (97-261)  
  A discussion on paper 97-261 was conducted. No votes were taken and it was 
  suggested that a tutorial on R6b with examples in Ada, Java, with Fortran equivalents 
  (to be given at meeting 144) would help the committee decide the issue described in 
  97-261.

- R7: Initializers/Finalizers (97-256)
Motion (Hirchert/Cuthbertson) “Approve paper 97-256 as the specification for R7.”
Motion passed unanimous consent.

4.2 MTE processing
- M5 (97-249r1) Extend MAX/MIN to Character Strings
  Motion (Whitlock/Meissener) “Mover 97-249r1 as additional edits for M5.”
  Motion passed by unanimous consent.
- Command Line Arguments
  Motion (Whitlock/Dedo) “Make item B5 into MTE M18.”
  Motion passed unanimous consent.
- Interp #4 (97-240) Value Returned by MAXVAL/MINVAL
- Interp #7 (97-243) Optional Intrinsic Arguments

4.3 Interpretation Processing
The committee recessed until 4:30pm for subgroup meetings.

4.4 Subgroup Meetings
Meeting reconvened at 4:30pm for subgroup reports.

4.5 Subgroup Reports
INTERP Nothing to bring forward for tomorrow; a new version of standing document 006 will be created for the next meeting.
INTERVAL 97-263 discussion and possible straw vote.
DATA 97-248r2, 97-264 discussion only.
JOR Nothing Further

Meeting recessed until 8:30am tomorrow.

5. Friday, November 14th, 1997
Meeting was called to order at 8:30am.

5.1 Required Items Processing
- R4: Interval Arithmetic (97-263)
  A discussion on interline optimization ensued, but no votes were taken. This discussion will be continued at the next J3 meeting (meeting 144).
- Editorial Issue
Richard Maine (the editor) asked: *When should edits for the two Technical Reports (Allocatable Components and Floating Point Exception Handling) be incorporated into the draft F2K standard?* It was suggested that a bullet-point list of changes to 97-007 (the draft F2K Standard) be maintained so that the list of included features and topics may be tracked. The committee’s sentiment was for the editor to commence including the edits from the Technical Reports into the draft F2K standard at his earliest convenience. A new revision of the draft standard will be ready for the next J3 meeting.

- **Fortran 2000 Work plan (97-010r3)**
  97-010r3 was revised and edited with respect to the technical work carried out at this meeting. 98-010 will be available for meeting 144.

- **R2: Syntax and Edits for Asynchronous I/O (97-262)**
  The edits for this item are still incomplete, and no votes were taken.

### 5.2 MTE Processing

### 5.3 Interpretation Processing

### 5.4 Closing Business

- **Administrative Issues**
  The former vice-chair voluntarily took responsibility for the preparation of meeting minutes and several other inter-meeting administrative activities. The committee discussed who should organize and be responsible for carrying out these administrative duties. The current J3 chair proposed the following:

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<th>Duty</th>
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<td>Membership Issues (including Appendices E and F of minutes, and NCITS Liaison)</td>
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<td>Assembling meeting minutes</td>
<td>John Cuthbertson</td>
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<td>Scheduling Future Meetings</td>
<td>Librarian</td>
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<td>Meeting Announcements and Locations</td>
<td>Librarian</td>
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<td>Draft Agenda production</td>
<td>J3 Chair</td>
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<td>Acting-Secretary Rota</td>
<td>J3 Chair &amp; Librarian</td>
</tr>
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- **Next Meeting**
  The committee discussed the situation regarding who should chair meeting 144. NCITS have issued a second call for the position of J3 Chair and Tony Warnock indicated his intention to stand; he is likely to be appointed in March ‘98. The current Chair’s term ends in January ‘98, and the former vice-Chair was scheduled to chair meeting 144. However his absence means that there is no appointed chair for the next meeting.
Motion: (North/Maine) “In the absence of an appointed Chair or Vice-Chair, Jerry Wagener will chair meeting 144 (February ‘98).” Motion passed by unanimous consent.

5.5 Review of Action Items
There were no action items outstanding and no new action items were created.

5.6 Future Meetings
Meeting 144: February 16-20, 1998 in Lafeyette, Louisiana. Hotel Arcadia. Reservation deadline is February 2, 1998. The Treasurer indicated that the committee may have to pay for the meeting room.

Meeting 145: May 25-29, 1998 in Terra Haute, Indiana. Hotel: The Drury Inn. There are two room rates for this hotel, $54 and $67. If ten rooms at the higher rate are reserved then the meeting room will be free; the meeting room will cost $150 per day otherwise. It was noted that the room rate for Saturday, May 23, has been set at $89. Flights have recently resumed into Terra Haute airport from Chicago O’Hare.

Meeting 146: August 10-14, 1998 in either Seattle or San Diego. A hand-count vote resulted in a tie (6-6).

5.7 Treasurer’s Report (97-266)
The treasurer’s report was read. Meeting 143 produced $850 in income and approximately $745 in expenses. Meeting fee will continue to be set at $50.

Motion: (North/Bierman) “Exempt Bill Clodius from the meeting fee.” Motion passed by unanimous consent.

5.8 Closing Membership Report
J3 has 19 members. Adams, Kearfott, and Low were absent and not represented at this meeting; Cohen and Smith were absent but were represented by Maine and Martin respectively. Keng Low is in danger of losing his membership.

5.9 Comments from Members
None scribed.

Meeting 143 adjourned 10:00am.
Appendix A
Final Agenda for J3 Meeting 143

1. Monday, November 10, 1997  8:30 am
1.1 Opening business J. Wagener
1.2 Meeting objectives (work plan: 97-010r3) and Chair’s report J. Wagener
1.3 Adoption of agenda J. Wagener
1.4 Approval of Meeting 142 minutes (97-233) J. Wagener
1.5 Secretarial arrangements (J. Cuthbertson acting this meeting) J. Wagener
1.6 NCITS/OMC report (if any) J. Wagener
1.7 Other reports (ISO/WG5) K. Bierman
1.8 Treasurer’s report M. North
1.9 Beginning membership report L. Rolison
1.10 Local arrangements M. North
1.11 Comments from members
1.12 Discuss second call for Chair and committee leadership planning J. Wagener
1.13 Subgroup organization J. Wagener
1.14 Subgroup meetings
1.15 Subgroup reports (4:30 pm)

2. Tuesday, November 11, 1997  8:30 am
2.1 Vote on SD-3 (97-220) J. Wagener
2.2 Required (R) items processing (97-010r3: 97-104r2, 97-146, 97-154) Subgroup heads
2.3 /jor report on Minor Technical Enhancements (MTE) status S. Whitlock
2.4 Organization of interpretation request processing for this meeting S. Whitlock
2.5 Subgroup meetings
2.6 Subgroup reports (4:30 pm)

3. Wednesday, November 12, 1997  8:30 am
3.1 Required items processing (97-010r3, ...) Subgroup heads
3.2 MTE processing (time permitting) S. Whitlock
   M.1 (96-138), M.6 (97-208r1), M.15 (WG5 #41),
   M.16 (97-197r1), M.17 (96-131r1)
3.3 /jor report on Category B item status S. Whitlock
   97-126, 97-129r1, WG5 #75, 97-124, 97-159, WG5 #63, 97-163
3.4 Interpretation processing S. Whitlock
3.5 Interval arithmetic subprojects K. Bierman
3.6 Subgroup meetings
3.7 Subgroup reports (4:30 pm)

4. Thursday, November 13, 1997  8:30 am
4.1 Required items processing (97-010r3, ...) Subgroup heads
4.2 MTE processing (if any) S. Whitlock
4.3 Interpretation processing S. Whitlock
4.4 Subgroup meetings
4.5 Subgroup reports (4:30 pm)

5. Friday, November 14, 1997  8:30 am
5.1 Required items processing (97-010r4, ...) Subgroup heads
5.2 MTE processing (if any) S. Whitlock
5.3 Interpretation processing S. Whitlock
5.4 Closing business
   Review of action items (if any) J. Cuthbertson
Future meetings  M. North
Treasurer’s report  M. North
Closing membership report  J. Wagener
Comments from members
Adjournment
### Appendix B

**J3 REGISTER OF DOCUMENTS FOR 1997**

#### I. Standing Documents

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#### II. 1997 Papers

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<th>Submitter</th>
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<tr>
<td>J3/97-101</td>
<td>970117</td>
<td>Bleikamp</td>
<td>Functional Specification for Derived Type I/O (WG5-N1246)</td>
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<td>J3/97-104r2</td>
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<td>Maine</td>
<td>Specifications and Syntax for R.5 Parameterized Derived Types</td>
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<td>Dynamic Dispatch (Procedure Polymorphism) Specifications and</td>
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</table>
Illustrative Syntax

J3/97-231  970814  Wagener  Responses to WG5 Resolutions
J3/97-232  970815  North   Meeting 142 Treasurer’s Report
J3/97-233  970910  Rolison  Meeting 142 Minutes
J3/97-234  970910  Wagener  Withdrawal or Reaffirmation of the ANSI F90
J3/97-235  970912  Maine   97-007r1
J3/97-236  971015  Rolison  Increased Statement Length (specs, syntax, edits)
J3/97-237  971015  Rolison  Interpretation Request # 1
J3/97-238r1 971015  Rolison  Visibility of a Data Object with Statement Scope
J3/97-239  971015  Rolison  Interpretation Request # 2
J3/97-240  971015  Rolison  Free Source Form Requirement for Blank in PRINT Statement
J3/97-241  971015  Rolison  Interpretation Request # 3
J3/97-242  971015  Rolison  Ability to Overload the Character Operator //
J3/97-243  971015  Rolison  Interpretation Request # 4
J3/97-244  971015  Rolison  Value Returned by MAXVAL/MINVAL
J3/97-244  971019  Clodius  Numeric Type Extensions and Fortran
J3/97-245  971020  Rolison  Interpretation Request # 8
J3/97-246  971020  Rolison  Optional Arguments to MAX/MIN
J3/97-247  971021  Maine   97-007r2
J3/97-248r2 971023  Snyder  Edits for Procedure Pointers
J3/97-249r1 971029  Meissner  Edits for M.5: Extend MAX and MIN
J3/97-250r2 971029  Meissner  Intrinsics to Character Type
J3/97-251  971030  Snyder  Additional Edits for M.6: Extend Initialization Expressions
J3/97-252  971106  Rolison  Specification and Syntax for Procedure Pointers
J3/97-253  971110  Rolison  Meaning of Imbedded Blanks in NAMELIST Input Name
J3/97-254  971110  Snyder  ADA - C Interoperability
J3/97-255  971110  Bleikamp Notes on 97-007r1 Async Edits
J3/97-256  971110  Hirschert INITIAL | FINAL Procedures
J3/97-257  971110  Warnock  Fortran Character Set
J3/97-258  971111  Wagener  More Heat on Command Line Arguments
J3/97-259r1 971111  Dedo   Evaluation of Intrinsic Procedures
J3/97-260  971112  Warnock  Per Operation Rounding Mode
J3/97-261  971112  Hirschert Polymorphism Issue
J3/97-262  971112  Bleikamp Further ASYNC I/O Edits
J3/97-263  971113  Warnock  Ruminations on Interline Optimization
J3/97-264  971113  Maine   Partial Edits for R.5, PDTs
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:

- 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
  Acting secretary: C. Dedo

- 145 May 25-29, 1998 in Terre Haute, IN (M. North, host)
  Pre-meeting distribution deadline: May 11, 1998
  Pre-meeting distribution: Electronic
  Post-meeting distribution: Electronic
  Acting Secretary: M. Cohen

- 146 Aug. 10-14, 1998 in Seattle or San Diego (M. North, acting host)
  Pre-meeting distribution deadline: July 27, 1998
  Pre-meeting distribution: Electronic
  Post-meeting distribution: Electronic
  Acting Secretary: D. Hendrickson

- 147 Nov 9-13, 1998 in Las Vegas, NV (M. North, acting host)
  Pre-meeting distribution deadline: October 26, 1998
  Pre-meeting distribution: Electronic
  Post-meeting distribution: Electronic
  Acting Secretary: Van Snyder

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 (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; J. Cuthbertson acting for this meeting)
Treasurer M. North
Librarian M. North
Editor R. Maine (WG5 appointment)
Maintenance S. Whitlock
Vocabulary Rep. K. Hirchert
Future Meetings M. North
Membership List K. Hirchert

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.4f, R.8, and all MTEs.
S. Whitlock (head), R. Bleikamp (alt. for T. Butler), C. Dedo, D. Hendrickson, L. Meissner

DATA: Responsible for language design topics related to data and data structures, such as procedure variables, parameterized derived types, and object-oriented programming; manages the following Fortran 2000 requirements: R3, R5, R6, and R7.
J. Cuthbertson (head), M. Cohen, K. Hirchert, K. Low, R. Maine, J. Martin (alt. for B. Smith), V. Snyder

INTERVAL:
Responsible for R.4 (except R.4f) - groundwork needed for making interval arithmetic an intrinsic type.
K. Bierman, B. Kearfott, T. Warnock

INTEROP:
Responsible for R9 (interoperability with C).
L. Rolison (head), T. Butler, 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 (alt. for T. Butler), M. Cohen, L. Rolison, H. Zongaro
Appendix E
Membership Summary

J3 Meeting Attendance (Principal Members)

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Meeting #</th>
<th>Location (state)</th>
<th>Date (month year)</th>
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<tr>
<td>Adams, Jeanne</td>
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<td>Zongaro, Henry</td>
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V present and voting
R absent but represented
other voting attendees
R Maine represented M. Cohen
RP  represented by a previous member
A  absent and not represented
P  present but not voting
E  excused
Q  resigned
**  missed two of last three meetings
***  lost membership

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<th>Description</th>
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<tr>
<td>Total Membership at beginning of Meeting</td>
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<td>Majority</td>
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<td>Quorum</td>
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<tr>
<td>Total Membership at end of Meeting</td>
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<tr>
<td>Total Members Attended or Represented at</td>
<td>16</td>
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<tr>
<td>Total Attendees at Meeting</td>
<td>18</td>
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</table>

J Martin represented B. Smith
R Bleikamp, alternate for T. Butler
W Clodius, visitor from LANL

non-voting attendees

membership changes since last meeting

none
Appendix F
J3 Membership

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