To: J3

From: Henry Zongaro Date: 2000/03/21

Subject: Meeting 152 minutes

# Minutes of NCITS/J3 Committee Meeting 152 February 28 - March 3, 2000 Las Vegas, Nevada

# 1. Monday, February 28, 2000

#### 1.1 Opening business

Meeting was called to order at 8:30 am, Monday, February 28, 2000, at the Las Vegas Amerisuites.

#### 1.1.1 Remarks from the chair

None recorded.

#### 1.1.2 Adoption of agenda

Motion: Adopt agenda as amended (Bierman/Zongaro) - u.c.

#### 1.1.3 Approval of Meeting 151 minutes

Motion: Adopt Meeting 151 minutes (99-256) as amended (Dedo/Hendrickson) - u.c.

#### 1.1.4 NCITS/OMC report

Chair will report to OMC later this year.

### 1.1.5 ISO/WG5 report

Letter ballots on PDTR's 15880 and 15881 were held, followed by letter ballots of DTR's 15880 and 15881. FDIS ballot on revision of 1589-2 was held.

#### 1.1.6 Treasurer's report

Expenses at Meeting 151 were \$110.04. Current bank balance is \$3909.03. No meeting fees for this meeting.

# 1.1.7 Beginning membership report

Members present or represented: Tony Warnock, Keith Bierman, Mallory North, Jeanne Martin (alternate for Brian Smith), Van Snyder, Malcolm Cohen, Richard Maine (alternate for Malcolm Cohen), Kurt Hirchert, Jon Steidel, Dan Nagle, Craig Dedo, Toon Moene (alternate for Matthijs van Waveren), Henry Zongaro, Dick Hendrickson, Richard Bleikamp, Stan Whitlock.

Members absent: Mike Ross (Intel)

Motion: Exempt Kurt Hirchert from mandatory observer meeting (Bierman/Maine) - u.c.

New members: Kurt Hirchert (University of Kentucky)

Observers: William Mitchell (NIST)

Prior to this meeting, Smith and Bleikamp had missed two of the previous three meetings, and so their memberships were in jeopardy. As both are represented at this meeting, their memberships will no longer be in jeopardy following this meeting.

16 members. 15 members present or represented.

# 1.1.8 Local arrangements

Local arrangements for the meeting were described but were not recorded.

#### 1.1.9 Comments from members

Zongaro: This will be my last meeting on J3. I hadn't expected this to come so soon, but circumstances dictate that I change jobs within IBM. Because of recent changes in my group, there won't be anyone available to attend at least the next couple of meetings. I'm not sure yet whether anyone from IBM will attend in the future, so I won't resign the membership yet.

Zongaro: I believe so. Martin: Yes. 1.2 Subgroup organization /interop Henry Zongaro (head), Keith Bierman, Richard Maine, Toon Moene, Jon Steidel. Papers to consider this week: 00-118, 00-120, 00-122, 00-127. Part of 00-103r1. /JOR Stan Whitlock (head), Rich Bleikamp, Craig Dedo, Dick Hendrickson, Dan Nagle. Malcolm Cohen (head), Kurt Hirchert, Jeanne Martin, Van Snyder. Papers to consider this week: 00-104, 00-105r1, 00-106, 00-107, 00-111, 00-113, 00-114, 00-115, 00-116, 00-117. Part of 00-103r1 /numeric Tony Warnock (head). Inactive at this meeting. 1.3 F95 interpretation organization /interp Stan Whitlock (head), Rich Bleikamp, Malcolm Cohen, Jon Steidel, Henry Zongaro. Papers to consider this week: 00-124, 00-119, 00-126. 1.4 Subgroup meetings Plenary recessed at 9:15 am until 4:30 pm for subgroup meetings. 1.5 Subgroup reports Plenary reconvened at 4:30 pm. /interop List of papers for discussion or action later in the week was reviewed. List of papers for discussion or action later in the week was reviewed. List of papers for discussion or action later in the week was reviewed. Plenary recessed at 5:00 pm until 8:30 am Tuesday. 2. Tuesday, February 29, 2000
2.1 F2000 Plenary Plenary reconvened at 8:30 am. /JOR Motion: Paper 00-110 (Bleikamp/Dedo) - 11-2 /interop List of papers for discussion or action in the afternoon was reviewed. Motion: Paper 00-113 (Cohen/Snyder) - u.c. Motion: Paper 00-115 (Cohen/Snyder) - u.c. Straw vote: Allow the user to specify the ASYNCHRONOUS and VOLATILE attributes for an IMPORTed variable, disallow it, or undecided? 0-15-1 Straw vote: Allow defined operators to be imported with IMPORT, don't allow them, or undecided? 3-7-5

Motion: Paper 00-116 (Cohen/Snyder) - u.c.

Van Snyder: Will this be the first time IBM hasn't had representation on J3?

Motion: Paper 00-117 (Cohen/Snyder) - u.c.

#### 2.2 F90gl Presentation

William Mitchell gave an unscribed tutorial on the project to re-implement F90gl using the Interoperability with C facility, and he gave his views on the deficiencies of that facility. The issues are summarized in 00-121.

#### 2.3 Subgroup meetings

Plenary recessed at 10:30 am until 4:30 pm for subgroup meetings.

#### 2.4 Subgroup reports

Plenary reconvened at 4:30 pm.

#### /interop

Motion: Paper 00-127 (Zongaro/Whitlock) - u.c.

List of papers for discussion or action later in the week was reviewed.

List of papers for discussion or action later in the week was reviewed.

#### /data

List of papers for discussion or action later in the week was reviewed.

#### /interp

The attention of the committee was directed to 00-126, which is an index of interpretation questions. The attention of the /interp subgroup was directed to other papers addressing questions of interpretation.

Malcolm Cohen has found a number of unanswered Fortran 90 interpretation questions that need to be included in the list for Fortran 95.

Stan Whitlock expressed the desire that the subgroup come to agreement on the rules for J3 letter ballots on interpretation processing.

An unscribed discussion of how to make progress on interpretation processing ensued.

Plenary recessed at 5:30 pm until 8:30 am Wednesday.

# 3. Wednesday, March 1, 2000

# 3.1 F2000 Plenary

Plenary reconvened at 8:30 am.

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Motion: Paper 00-108r1 (Whitlock/Snyder) - u.c.
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Motion: Paper 00-109rl as amended (Whitlock/Snyder) - u.c.

Motion: Paper 00-112r2 as amended (Whitlock/Snyder) - further amended - u.c.

Motion: Paper 00-132 (Whitlock/Dedo) - amended - u.c.

#### /data

Motion: Paper 00-104r1 (Cohen/Snyder) - u.c.

Motion: Paper 00-114r1 (Cohen/Snyder) - u.c.

List of papers for discussion or action later in the week was reviewed.

# /interop

List of papers for discussion or action later in the week was reviewed.

Richard Maine drew the attention of the committee to 00-139, which was not sponsored by any subgroup.

#### 3.2 F95 interpretation processing

#### /interp

List of papers for discussion or action later in the week was reviewed.

#### 3.3 Tutorials (if needed)

None needed.

# 3.4 Subgroup meetings

Plenary recessed at 9:15 am until 4:30 pm for subgroup meetings.

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3.5 Subgroup reports
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Plenary reconvened at 4:35 pm.
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Motion: Paper 00-128 (Cohen/Snyder) - amended - u.c.

Motion: Paper 00-130 (Cohen/Snyder) - u.c. Motion: Paper 00-131 (Cohen/Snyder) - u.c.

Motion: Paper 00-134 (Cohen/Snyder) - u.c.

List of papers for discussion or action later in the week was reviewed.

/interop

List of papers for discussion or action later in the week was reviewed.

List of papers for discussion or action later in the week was reviewed.

List of papers for discussion or action later in the week was reviewed.

Richard Maine indicated that he would like the committee to act upon 00-139 Thursday morning.

Plenary recessed at 5:00 pm until 8:30 am Thursday.

#### 4. Thursday, March 2, 2000

### 4.1 F2000 Plenary

Plenary reconvened at 8:30 am.

/interop

Motion: Paper 00-120r1 (Zongaro/Whitlock) - u.c. Motion: Paper 00-122r1 (Zongaro/Whitlock) - withdrawn

List of papers for discussion or action later in the week was reviewed.

/JOR

Paper 00-137 (Whitlock/Nagle) - withdrawn

Motion: Paper 00-140 (Bleikamp/Whitlock) - amended - u.c.

List of papers for discussion or action later in the week was reviewed.

/data

Motion: Move parts 1 and 2 of Paper 00-141 (Cohen/Snyder) - u.c.

Motion: Paper 00-139 (Maine/Bierman). Paper was ruled out of order as it was not part of the pre-meeting distribution, and so motion was withdrawn.

#### 4.2 F95 interpretation processing

Motion: Paper 00-142 (Whitlock/Cohen) - u.c.

Motion: Move part 3 of 00-141 as response to Interp 84 (Whitlock/Cohen) - u.c. Motion: Paper 00-124 as amended as response to Interp 83 (Whitlock/Bleikamp) -

u.c.

Motion: Paper 00-133 as revised response to Interp 70 (Whitlock/Hendrickson) -

amended to change "7.1.6.2 program unit P1"
to "7.1.6.2 program unit P2" - u.c.

(No revised paper will appear; revision will be included only in

#### 4.4 Subgroup meetings

Plenary recessed at 9:40 am until 4:00 pm for subgroup meetings.

#### 4.5 Subgroup reports

Plenary reconvened at 4:00 pm.

#### /interop

List of papers for discussion or action later in the week was reviewed.

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/JOR
       Motion: Paper 00-137r2 (Bleikamp/Nagle) - u.c.
       List of papers for discussion or action later in the week was reviewed.
       Motion: Paper 00-105r2 as amended (Cohen/Snyder) - amended - u.c.
       Motion: Paper 00-111r1 (Cohen/Snyder) - amended - u.c.
       Motion: Paper 00-136 (Cohen/Snyder) - amended - u.c.
       List of papers for discussion or action later in the week was reviewed.
       Nothing to report.
   Plenary recessed at 5:00 pm until 8:30 am Friday.
5. Friday, March 3, 2000
5.1 F2000 Plenary
   Plenary reconvened at 8:30 am.
       Motion: Paper 00-143r1 (Bleikamp/Dedo) - amended - u.c.
       Motion: Paper 00-151 (Bleikamp/Dedo) - amended - u.c.
   /interop
       Motion: Paper 00-122r2 (Zongaro/Steidel) - u.c.
       Motion: Paper 00-149 (Zongaro/Steidel) - amended - u.c.
       Motion: Paper 00-150 (Zongaro/Steidel) -
          amendment for edit on [386:6+] for Issue 9: change "shal" to "shall" - u.c.
          (No revised paper will appear.)
   /data
       Motion: Move edits from beginning of 00-144 through to [77:44-45], as amended
                (Cohen/Hendrickson) - further amended - u.c.
       Motion: Paper 00-145 (Cohen/Snyder) - u.c.
      Motion: Paper 00-146 (Cohen/Snyder) - amended - u.c. Motion: Paper 00-147 (Cohen/Snyder) - u.c.
       Motion: Paper 00-148 (Cohen/Snyder) - withdrawn
       Motion: Paper 00-154 (Cohen/Snyder) - u.c.
       Straw vote: Should ALLOCATE with copy facility proposed by 00-155 use:
                         (a) CLONE=;
(b) COPY=;
                         (c) SOURCE=;
                        (d) something else; or (e) undecided?
                     Result: 3-1-9-1-1
       Motion: Move specifications part of 00-155 for ALLOCATE with copy facility
       (Cohen/Snyder) - amended - u.c.
5.2 F95 interpretation processing
   None.
5.3 Closing business
   5.3.1 Review of action items (if any)
       1) Owner: Tony Warnock.
          Sent the J3 response to NCITS on LIA-2. (Closed)
       2) Owner: Richard Maine.
          Papers with edits for 00-007: 00-104r1, 00-105r3, 00-108r1, 00-109r2,
          00-110, 00-111r2, 00-112r3, 00-113, 00-114r1, 00-115, 00-116, 00-117,
          00-120r1, 00-122r2, 00-127, 00-128r1, 00-130, 00-131, 00-132r1, 00-134, 00-136r1, 00-137r2, 00-140r1, 00-141, 00-143r2, 00-144r1, 00-145, 00-146r1,
          00-147, 00-149r1, 00-150, 00-151r1, and 00-153.
   5.3.2 Future meetings
       Meeting 153 is scheduled for May 29 - June 2, 2000 in (Las Vegas, Nevada, USA).
       No changes to other future scheduled meetings.
   5.3.3 Treasurer's report
       Starting bank balance was approximately $3900.
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Expenses this meeting were \$227.25.

Treasurer's report will be paper 00-156. Meeting minutes will be paper 00-157.

#### 5.3.4 Closing membership report

Richard Bleikamp's and Brian Smith's memberships are no longer in jeopardy.

Kurt Hirchert plans to revise the membership document to ensure it is up-to-date.

#### 5.3.5 Comments from members

Cohen:  $\mbox{\sc /data}$  subgroup will require about one to two meetings work to resolve its remaining work.

Zongaro: /interop subgroup will require about four meetings to resolve its remaining work.

Maine: Several members of /interop might not attend Meeting 153, and some action will need to be taken at the next meeting to be able to resolve that problem.

North: A member of staff at Rose-Hulman (Timothy Chow) expressed interest in maintaining the J3 web site, ftp site and mail servers; all these servers would thus be consolidated at one site. He is also interested in becoming alternate for Rose-Hulman.

#### 5.4 Adjournment

Motion: Move to adjourn (Zongaro/Hendrickson) - u.c.

Meeting adjourned at 10:40 am.

# Appendix A: Meeting Agenda

Final Agenda for J3 Meeting 152

1. Monday, February 28, 2000 8:30 am	
1.1 Opening business Remarks from the chair Adoption of agenda Approval of Meeting 151 minutes NCITS/OMC report (if any) ISO/WG5 report Treasurer's report Beginning membership report Local arrangements Comments from members  1.2 Subgroup organization 1.3 F95 interpretation organization 1.4 Subgroup meetings 1.5 Subgroup reports (4:30 pm)	T. Warnock T. Warnock T. Warnock T. Warnock T. Warnock K. Bierman M. North T. Warnock M. North T. Warnock S. Whitlock
2. Tuesday, February 29, 2000 8:30 am	
2.1 F2000 Plenary (00-010) 2.2 F90gl Presentation 2.3 F95 interpretation processing (00-006) 2.4 Tutorials (if needed) 2.5 Subgroup meetings 2.6 Subgroup reports (4:30 pm)	Subgroup Heads W. F. Mitchell S. Whitlock
3. Wednesday, March 1, 2000 8:30 am	
3.1 F2000 Plenary 3.2 F95 interpretation processing 3.3 Tutorials (if needed) 3.4 Subgroup meetings 3.5 Subgroup reports (4:30 pm)	Subgroup Heads S. Whitlock
4. Thursday, March 2, 2000 8:30 am	
4.1 F2000 Plenary 4.2 F95 interpretation processing 4.3 Tutorials (if needed) 4.4 Subgroup meetings 4.5 Subgroup reports (3:30 pm if TAG)	Subgroup Heads S. Whitlock
4.6 TAG meeting (4:00) (if needed)	K. Bierman
5. Friday, March 3, 2000 8:30 am	
5.1 F2000 Plenary 5.2 F95 interpretation processing 5.3 Closing business Review of action items (if any)	Subgroup heads S. Whitlock
Future meetings Treasurer's report Closing membership report Comments from members	M. North M. North T. Warnock

Adjournment

# Appendix B: Register of Documents

J3/00-000

J3 REGISTER OF DOCUMENTS FOR 2000 00-000.TXT Revised March 21, 2000

ftp site: ftp://math.jpl.nasa.gov/x3j3/doc/year/00
ftp mirror site: ftp://ftp.drfc.nasa.gov/pub/x3j3/jpl
J3 World Wide Web site URL: http://www.ionet.net/~jwagener/J3

# I. Standing Documents

Paper Number	Title
J3/00-000	Register of Documents
J3/00-001 J3/00-002	Membership List Unassigned
J3/00-003	J3 Member References
J3/00-004 J3/00-005	Journal of Requirements J3 Resolutions and Responses to WG5 Resolutions
J3/00-005 J3/00-006	Defect Report
J3/00-007	Draft Revision to Fortran 2000
J3/00-008 J3/00-009	Editorial Considerations for F2000 Draft Review Technical Proposals for Future Revisions
J3/00-010	J3 Work Plan
J3/00-011	Editor's List of Unresolved Issues
03/00-012 - 03	/00-100 are unassigned

II. 2000 Papers \_\_\_\_\_\_

PAPERS SUBMITTED FOR J3 MEETING 152 LAS VEGAS, NEVADA, FEBRUARY 28 - MARCH 3, 2000

Paper Number	Date	Submitter	Title
J3/00-101 txt	000114	Maine	Edits incorporated in 00-007
J3/00-102r1 txt	000114	Maine	Changes to the list of unresolved issues
J3/00-103r1 ps	000131	Snyder	Miscellaneous remarks concerning 00-007
J3/00-104r1 ps	000206	Snyder	Comments on SELECT TYPE
J3/00-105r3 ps	000206	Snyder	Thoughts stimulated by issue 216
J3/00-106 ps	000206	Snyder	Comments on INTENT
J3/00-107 ps	000206	Snyder	Another reason for a READONLY attribute
J3/00-108r1 ps	000207	Snyder	Oversights in adding IOSTAT_END and IOSTAT EOR
J3/00-109r2 ps	000209	Snyder	Issue $\overline{6}4$ (again)
J3/00-110 ps	000209	Snyder	Section headings in 9.5.1
J3/00-111r2 ps	000209	Snyder	Issue 79 (again)
J3/00-112r3 ps	000210	Snyder	Exposition of command-line access
J3/00-113 ps	000210	Snyder	Issue 14
J3/00-114r1 txt	000211	Cohen	Issue 141 and a related problem
J3/00-115 txt	000211	Cohen	Issues 222 and 224
J3/00-116 txt	000214	Cohen	Issues 233, 234, and 235
J3/00-117	000214	Cohen	Procedure Interface Body

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txt J3/00-118 txt	000216	Cohen	Issues with NAME= and BINDNAME=
J3/00-119 txt	000217	Takata	Review of the J3 responses to interpretation requests from Japan
J3/00-120r1 txt	000222	Zongaro	Miscellaneous Interop Fixes (Issues 218 and 229)
J3/00-121	000223	Mitchell	f90gl and C Interoperability
ps,pdf J3/00-122r2 txt	000223	Zongaro	Edits for Issues 149 and 120
J3/00-123 txt	000224	Cohen	Interpretation request on ELEMENTAL procedures (revised)
J3/00-124r1 txt	000224	Cohen	Interpretation request: Scope of ac-implied-DO variable
J3/00-125 txt	000224	Cohen	VOLATILE questions
J3/00-126 txt	000224	Whitlock	F95 Interpretations Index
J3/00-127 txt	000224	Zongaro	Edits for Issues 89, 148, 162, 230 and 231 (Interop.)
J3/00-128r1 txt	000228	Cohen	Unresolved issue 132
J3/00-129 txt	000228	Cohen	Asynchronous questions
J3/00-130 txt	000228	Cohen	Abstract interface blocks
J3/00-131 txt	000228	Cohen	Miscellaneous infelicities
J3/00-132r1	000228	Dedo	Edits - VOLATILE fixups
txt,ps,wpd J3/00-133 txt	000228	Cohen	Interpretation 70: revised
J3/00-134 txt	000229	Cohen	Issue 215
J3/00-135 txt	000229	Cohen	Interpretation 81: revised
J3/00-136r1	000229	Snyder	Imprecision in pointer disassociation and undefinition
ps J3/00-137r2 txt	000229	Nagle	Issue 3
J3/00-138	000229	Snyder	Starting to rebuild finalization
ps J3/00-139 txt	000301	Maine	Command argument simplification
J3/00-140r1 txt,doc	000301	Bleikamp	Async volatile fixups
J3/00-141 txt	000301	Cohen	Issue 13 and Interpretation 84
J3/00-142 txt	000301	Whitlock	Rules for voting on Fortran 95 interpretations
J3/00-143r2	000301	Dedo	JOR responses to proposed edits in J3/00-103r1 - Chapters 1, 2, 3
J3/00-144r1	000301	Snyder	Data issues from J3/00-103r1
ps J3/00-145	000302	Snyder	Specification functions in the Glossary
ps J3/00-146r1	000302	Snyder	Remove identical syntax rule
ps J3/00-147	000302	Snyder	Issue 82
ps J3/00-148 txt	000302	Cohen	Issues 17 - 19 and 211
J3/00-149r1 txt	000302	Zongaro	Revision of ENUM syntax and un- resolved issue 231
J3/00-150 txt	000302	Steidel	New /Interop unresolved issues
J3/00-151r1	000302	Dedo	JOR responses to proposed edits in J3/00-103r1 - Chapters 7, 8, 9
J3/00-152			UU,UU TUUTT CHANCETO /, O, J
	000302	Snyder	Define "component order" term
ps J3/00-153	000302	Snyder Maine	

txt			
J3/00-154 txt	000302	Cohen	Issues 223
	000302	Cohen	ALLOCATE (MOULD=)
J3/00-156 txt	000303	North	Meeting 152 Treasurer's Report
J3/00-157 txt	000303	Zongaro	Meeting 152 Minutes

# Appendix C: Future meetings and distribution/Secretarial Assignments

- 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:

Meeting Conventions:

- 153 May 29 June 2, 2000, in Las Vegas, NV
  Mallory North, acting host
  Premeeting distribution deadline: May 15, 2000
  Premeeting distribution: electronic
  Post-meeting distribution: electronic
  Acting secretary: Stan Whitlock
- 154 September 18 22, 2000, in Las Vegas, NV
  Mallory North, acting host
  Premeeting distribution deadline: September 4, 2000
  Premeeting distribution: electronic
  Post-meeting distribution: electronic
  Acting secretary: Stan Whitlock
- 155 December 11 15, 2000, in Las Vegas, NV
  Mallory North, acting host
  Premeeting distribution deadline: November 27, 2000
  Premeeting distribution: electronic
  Post-meeting distribution: electronic
  Acting secretary: Stan Whitlock

#### Committee materials availability:

Agenda and meeting notice available at the J3 web site and from the J3 ftp server.

Sent individually to other interested parties that specifically request to be sent the material either via surface mail or electronic mail.

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

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REQUIREMENT: Distribution of premeeting 2 weeks prior to meeting. (documents for action - two week rule: SD-2 4.3.4:1)
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Meeting minutes are available at the J3 web and ftp sites.

ftp site: ftp://math.jpl.nasa.gov/x3j3/doc/meeting/152
ftp mirror site: ftp:://ftp.drfc.nasa.gov/pub/x3j3/jpl
J3 World Wide Web site URL: http://www.ionet.net/~jwagener/J3

### Appendix D: Committee Organization

#### Officers and Management

Chair T. Warnock International Rep. K. Bierman

Secretary Open (Zongaro acting for Meeting 152)

Treasurer M. North Librarian M. North

Editor R. Maine (WG5 appointment)

#### Subgroups

#### JOR:

Responsible for the maintenance of the Journal of Development (standing document 004) and managing the following Fortran 2000 requirements: R1, R2, R8, and all MTE and B items.

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

#### DATA

Responsible for language design topics related to data and data structures; manages the following Fortran 2000 requirements: R3, R4, R6, and R7.

M. Cohen (head), K. Hirchert, J. Martin, V. Snyder

#### NUMERIC:

Responsible for R4. Inactive at this meeting.

T. Warnock (head)

#### INTEROP:

Responsible for R9.

H. Zongaro (head), K. Bierman, R. Maine, T. Moene, J. Steidel

#### 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

J3 Meeting Attendance (Principal Members)

33 Micering Attendance (	Timeipai Memb	CIS										
Meeting #		14	14	14	14	14	147	148	149	150	151	15
		2	3	4	5	6						2
Location (state)		CO	NV	LA	IN	CA	NV	HI	UK	NV	NV	NV
Date (month year)		08	11	02	05	08	11	03	06	08	11	02
•		97	97	98	98	98	98	99	99	99	99	00
Name	Affiliation											
Bierman, Keith	Sun	V	V	V	V	V	V	V	V	V	V	V
Bleikamp, Richard	HP	RP	RP	V	V	Α	V	V	A	V	A**	V
Cohen, Malcolm	NAG	V	R	V	V	R	V	V	V	V	V	V
Dedo, Craig	self	V	V	V	V	V	V	A	A**	V**	V	V
Hendrickson, Dick	self	A	V	V	V	V	V	A	V	V	V	V
Hirchert, Kurt	U of IL	V	V	V	V	V	V	V	A	A**	Q	
Hirchert, Kurt	U of KY											V
Nagle, Dan	self									P	V	V
North, Mallory	Rose-Hulman	V	V	V	V	V	V	V	V	V	V	V
Ross, Mike	Intel										P	A
Smith, Brian	U of NM	R	R	R	A	R	R	R	A	R	A**	R
Snyder, Van	JP/Caltech	V	V	V	A	V	V	V	V	V	V	V
Steidel, Jon	Cray	RP	RP	V	V	A	A**	V**	V	V	V	V
van Waveren, Matthijs	Fujitsu					P	V	A	V	A**	V	R
Warnock, Tony	LANL	V	V	V	V	V	V	V	V	V	V	V
Whitlock, Stan	Compaq	V	V	V	V	V	V	V	A	V	V	V
Zongaro, Henry	IBM	V	V	V	V	V	V	V	A	V	V	V

V	present and voting
R	absent but represented
A	absent and not represented
P	present and not voting
RP	represented by previous member
Е	excused
Q	Resigned
**	missed 2 of last 3 meetings
***	lost membership

# other voting attendees:

J Martin represented B Smith

T Moene represented M van Waveren

# non-voting attendees:

R Maine, alternate for M Cohen

W Mitchell

W Brainerd

Total Membership at beginning of Meeting 152	1
	6
Majority	9
Quorum	6
Total Membership at end of Meeting 152	1
	6
Total Members Attended or Represented at 152	1
	5
Total Attendees at Meeting 152	1
	8

# membership changes since last meeting:

K Hirchert rejoined, now representing the University of Kentucky. The requirement for an "observer" meeting was waived in his case.

# Appendix F: Membership Roster

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PRINCIPALS

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Keith H. Bierman Sun Microsystems, Inc. UMPK 16-304 901 San Antonio Road Palo Alto CA 94043

Email: keith.bierman@sun.com

Phone: (650) 786-9296 Fax: (650) 786-9551

Alternate: Michael Ingrassia

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Richard Bleikamp Hewlett-Packard Company 3000 Waterview Parkway Richardson TX 75080

Email: bleikamp@rsn.hp.com

Phone: (972) 497-4133 Fax: (972) 497-4245

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