Minutes of Meeting 150  
NCITS/J3 Committee  
August 23-27, 1999  
Las Vegas, Nevada

1. Monday, April 23, 1999

1.1 Opening business  
Meeting was called to order at 8:30 am, August 23, 1999 at the Las Vegas AmeriSuites.

1.1.1 Remarks from the chair  
None.

1.1.2 Adoption of the agenda  
Approval of 147 minutes should be minutes of meeting 149. Tag meeting will be held Thursday. No tutorials are planned for this meeting.

1.1.3 Approval of minutes for meeting 149  
Motion: Adopt minutes (Whitlock/Hendrickson) u.c.

1.1.4 NCITS/OMC report  
Tony reported there has not been much interaction with NCITS recently. He will give a preview of his NCITS presentation on J3 status to J3.

1.1.5 ISO/WG5 report  
Keith asked for comments on his published report of the June WG5 meeting. WG5 wishes J3 to take time for interpretation processing and has approved a two year slip in the schedule for the next standard.

1.1.6 Treasurer’s Report  
No meeting fee per discussion in Oxford. No liabilities. $4293.69 on deposit. No meeting fees will be collected until our balance is around $2000.

1.1.7 Beginning membership report  
Members present: Malcolm Cohen, Jeanne Martin (for Brian Smith), Craig Dedo, Keith Bierman, Dick Hendrickson, Stan Whitlock, Rich Bleikamp, Henry Zongaro, Van Snyder, Mallory North (Treasurer and Librarian), Tony Warnok (Chair), Jon Steidel (acting secretary).

14 members. 12 present or represented. Kurt Hirchert and Matthijs van Wavern were not present.
Kurt Hirchert has missed two of the last three meetings, and his membership will be lost if he is not present at meeting 151. It was noted that he is now at University of Kentucky and will try to continue his membership.

Intel and University of North Carolina Supercomputing Center have expressed interest in joining.

Visitors: Dan Nagle, Craig Shirley, Tom Lahey

1.1.8 Comments from members
Martin: This being the sesquicentennial meeting, reminds me of the centennial meeting in June of 1986. It was hosted, fittingly, by IBM consultant George Paul in Mt. Kisco, NY (close to Yorktown Heights). There was a large cake with “Happy Centennial X3J3” written on it. I got out the pictures to bring to this meeting, but they didn’t make it to my briefcase. There were 39 members at that time. Of the 38 attendees at that meeting, there is one member (other than me) in attendance at this meeting. I’ll give you three guesses.

Dedo: Dick Hendrickson?

Martin: Correct. Tom Lahey attended the 100th meeting as an observer.

1.1.10 Subgroup Organization
/jor:
   Stan Whitlock (head), Rich Bleikamp, Dick Hendrickson, Craig Dedo
/data:
   Malcolm Cohen (head), Jeanne Martin, Van Snyder
/interop:
   Henry Zongaro (head), Keith Bierman, Jon Steidel
   Review papers 99-205 and 99-206. Many unresolved issues to discuss.
/interp:
   Stan Whitlock (head), Henry Zongaro, Rich Bleikamp, Malcolm Cohen, Jon Steidel

1.2 Subgroup meetings
The plenary meeting was recessed until 4:30 for subgroup meetings.

1.3 Subgroup reports
/jor:
   Papers 99-212, 99-213, and 214 are now on the table for vote Tuesday.
   Paper 99-179 IEEE edits from pre-meeting to be voted Tuesday.
   Looking at questions in 99-208 and will categorize items as interpretations, edits, or no action.
   Working on 99-215, response to interpretation 000068.
   Will look at 99-182 for JOR items.
Looking at list of assigned papers.  
99-178 and 99-207 for discussion Tuesday and straw votes.  
99-190, 99-196, and 99-197 for discussion Tuesday.  
99-198 and 99-201 for discussion Wednesday.  
99-202 response paper will be on table for processing  
99-199 and 99-200 answers will be up for vote later in the week  
There will be a revision of 99-180 later in the week.  
99-195 will be deferred to a later meeting.

Paper 99-210 is on the table now for discussion Tuesday.  
A revision of 99-205 will appear Tuesday afternoon.  
Developing 99-209, a response to 194 which will appear Tuesday.

1.4 Misc. comments
Need for responses to WG5 resolutions in N1343 was noted.

Next WG5 meeting is August 21-25 2000 in Finland.

Miles has stepped down as convenor of WG5.

Meeting was recessed until 8:30 AM Tuesday.

Tuesday, August 24, 1999
The meeting was called to order at 8:30 AM.

2.1 F2000 plenary
Motion:  99-179 as edits for IEEE modules (Whitlock/Hendrickson) u.c.

Discussion of paper 99-210, clarification of the difference between NAME= and BINDNAME=.

Straw Vote 1:  Do you wish to retain the BINDNAME= facility?  
Yes 8  
No 1  
Undecided 2

Straw Vote 2:  Should BINDNAME= be allowed for procedures referenced?  
Yes 9  
No 0  
Undecided 2

Discussion of 99-196, baroque spelling of WITH functionality, to be voted on Wednesday.

Straw vote 1:  Should ASSOCIATE variable assume its type from its selector or should it get its type from the host?  
From selector 8  
From host 0
2.2 Interpretation processing

Motion: 99-212 response for interpretation 000066 (Whitlock/Bleikamp) u.c.
Motion: 99-213 response for interpretation 000067 (Whitlock/Bleikamp)
 withdrawn to add edit to note incompatibility with Fortran 90.
Motion: 99-214 response for interpretation 000069 (Whitlock/Bleikamp) u.c.

Discussion of 99-216, response for interpretation 000070, to be voted on Wednesday. A revision of 216 will appear for action this week.
Discussion of 99-217, response to interpretation 000071, to be voted on Wednesday.

Straw vote 1: Do you prefer option i and/or ib, or ii as an answer to question 2?
Option i or ia 7
Option ii 3
Undecided 1

Straw vote 2: Do you prefer option i or ib
Option i 4
Option ib 5
Undecided 2

Motion 99-218, response for interpretation 000072 (Cohen/Martin) u.c.

2.3 Subgroup meetings
The plenary sessions was recessed until 4:30 for subgroup meetings.
2.4 Subgroup reports
/interop:
  Paper 99-209 is on the table. Discussion and vote on edit

/jor:
  Paper 99-213r1 response to interpretation 00067 to be voted on Wednesday
/data:
  For vote Wednesday 99-180r1, 99-196, 99-197, 99-199r1, and 99-200r1. 99-203r1 to be voted on soon. 99-204 subsumed by 203r1. 99-181r1, 99-184r1, 99-185r1 will be on table Wednesday for Thursday vote. Still working on 99-186 and 99-187. Paper 99-213r1 response to interpretation 00067 to be voted on Wednesday

Meeting was recessed until 8:30 AM Wednesday.

3. Wednesday, August 25 1999
The meeting was called to order a 8:30 AM.

3.1 F2000 plenary
/jor
  No action.
/interop
  Motion: 99-209, response to 99-194 (Zongaro/Bierman) u.c.
/data
  Motion: 99-180r1, fix for ALLOCATABLE attribute (Cohen/Snyder) withdrawn for further revision. Motion 99-196, specs, syntax and edits for of “WITH” functionality (Cohen/Snyder) Motion modified to specs and syntax only u.c.. Edits will be modified and voted later. Motion 99-197, spec and syntax, option 1, (Cohen/Snyder), as amended (no type and parameter restriction) u.c. 99-185r2 will is now on table. 99-203r1, 99-216r1, 99-217r1 to be voted Wednesday afternoon

3.2 Interpretation Processing
/jor
  Motion: 99-213r1, response to interp 000067 (Whitlock/Bleikamp) u.c.
/data
  Motion: 99-199r1, response for interpretation 000076 (Cohen/Snyder) u.c. A revision may appear with additional supporting evidence. Motion: 99-200r1, response for interpretation 000077 (Cohen/Snyder) u.c

3.3 Subgroup Meetings
The plenary session was recessed until 4:30 PM for subgroup meetings

3.4 Subgroup meeting reports/processing
/jor
  For voting on Thursday 99-183 ready for voting Thursday 99-215, on table, for voting Thursday
99-221 response to 99-208, Japanese requests for interpretation, for vote Tuesday
99-220 for voting Thursday

/interop
For discussion Thursday AM, possible vote Thursday PM 992-205r1
For vote Thursday AM 99-211
Other papers in progress

/data
For vote Thursday AM 99-180r2, 99-185r3, and 99-224
For discussion Thursday AM and vote Thursday PM 99-223
99-182r1 to be revised for vote Thursday afternoon
Also for vote Thursday afternoon 99-186r1 and 99-187r1
Papers 99-196r1, 99-184r1, 99-188r1, and 181r1 to appear Thursday for
later action

3.5 Interpretation processing
/data
Motion: 99-216r1, response to interpretation 000070 (Cohen/Snyder) u.c.
Motion: 99-217r1, response to interpretation 000071 (Cohen/Snyder) withdrawn

3.6 F2000 plenary
/data
Motion: 99-203r1, remove initializer/finalizers (Cohen/Snyder) amended u.c.

3.6 Other comments
Tony discussed his plan for an upcoming report to NCITS.

The meeting was recessed until 8:30 AM Thursday.

4.0 Thursday, August 26, 1999
The meeting was called to order at 8:37 AM.

4.1 F2000 Plenary
/jor
Motion: 99-183, ERRMSG= problems on ALLOCATE, (Whitlock/Dedo) amended
u.c.
Motion: 99-220 Edits suggested by 99-182r1 and N1335 (Whitlock/Bleikamp) u.c.

/interop
Motion: 99-211, SELECTED_REAL_KIND type results for values of the C
withdrawn
Discussion of 99-205r1, edits for global data interoperability. A revision will
appear Thursday afternoon for Friday vote.

/data
Motion: 99-180r2, improved definition of allocatable attribute (Cohen/Snyder)
amended u.c.
Motion: 99-185r3, unresolved issues 78 and 141 (Cohen/Snyder) u.c.
Motion: 99-181r1, edits for procedure pointers (Cohen/Snyder) u.c.
Motion: 99-184r1, more work on deferred type parameters (Cohen/Snyder) u.c.
Motion: 99-188r1, unresolved issues 138 and 140 (Cohen/Snyder) u.c.
Motion: 99-224, /data issues from WG5/N1356 (Cohen/Snyder) u.c.
4.2 Interpretation processing

Motion: 99-215, response to interpretation 000068 (Whitlock/Dedo) amended u.c.
Motion: 99-221, classification of Japanese interpretation requests (99-208) (Whitlock/Dedo) withdrawn

Discussion of 99-223 interpretation request 000079

4.3 Subgroup meetings

The plenary session was recessed until 3:00 PM for subgroup meetings.

4.4 Subgroup reports/processing

Motion: 99-221, classification of Japanese interpretation requests (99-208) (Whitlock/Dedo) as amended u.c.
Friday discussion and vote 99-222

For voting Friday 99-205r2 and 99-226, and possibly 211r1

For discussion and vote Friday 99-219
Motion: 99-182r2 miscellaneous edits (Cohen/Snyder) amended u.c.
Motion: 99-186r1, unresolved issue 79 (Cohen/Snyder) u.c.
Motion: 99-187r1, unresolved issue 134 (Cohen/Snyder) u.c.
Motion: 99-223, response to interpretation request 000079 (Cohen/Snyder) 6 for, 4 against
Discussion of 99-196r1 for Friday vote
Discussion of 99-217r2 for Friday vote

The meeting was recessed until 8:30 AM Friday.

5. Friday, August 26, 1999

5.1 F2000 Plenary

Motion: 99-222r1, response to WG5/n1356 (Whitlock/Dedo) amended with J3 note in 99-228 (paragraph, not u.c.
99-174 asked for changes in introductory remarks in chapter 1. The editor added the content of 99-174 added these to the document after meeting 149.

Motion: 99-205r2, global data edits (Zongaro/Steidel) u.c.
Motion: 99-226, response a comment in 99-181r1 (Zongaro/Steidel) u.c.
Motion: 99-211r1, changes to floating point kind type parameters for interoperability (Zongaro/Steidel) amended, u.c.

Motion: 99-196r1, “WITH” functionality (Cohen/Snyder) amended u.c.
Motion: 99-219, unresolved issue 14 (Cohen/Snyder) amended u.c.

Motion: 99-227 response to WG5 resolutions of June 1999 meeting
5.2 Interpretation processing

Motion 99-217r2, response to interpretation 000071 (Cohen/Snyder) amended, u.c.

5.3 Closing Business

5.3.1 Review of action items
Warnok: send out 99-227 to WG5
Warnok: report to NCITS
Whitlock: send response to Japanese and Matthijs for 99-221

5.3.2 Future meetings
Meeting 151 will be November 29 - December 3, 1999 in Las Vegas Nevada, USA
Meeting 152 will be March 6-10, 2000 in Las Vegas Nevada, USA
Meeting may be at the Desert Research Institute instead of AmeriSuites
Meeting 153 will be May 29-June 6, 2000 in Las Vegas, Nevada, USA
Meeting 154 will be September 18-22, 2000 in Las Vegas, Nevada, USA
Meeting 155 will be December 11-15, 2000 in Las Vegas Nevada, USA

5.3.3 Treasurer’s report
Paper will be 99-225.

5.3.4 Closing membership report
No changes. 12 members represented. Kurt Hirchert and Matthijs van Waever absent.

Kurt Hirchert has missed two of the past three meetings, and his membership will be lost if he does not attend meeting 151.

5.4 Comments from members
Jeanne Martin noted we 33 papers passed, resolved 31 issues, and processed 10 interpretations at this meeting.

There will be a letter ballot for interpretations between meeting 150 and meeting 151.

Motion to adjourn (Hendrickson/Whitlock) u.c.

The meeting was adjourned at 9:35 AM.

Appendix A: Meeting Agenda

Draft Agenda for J3 Meeting 150

1. Monday, August 23, 1999  8:30 am

1.1 Opening business T. Warnock
   Remarks from the chair T. Warnock
   Adoption of agenda T. Warnock
Approval of Meeting 147 minutes  T. Warnock
NCITS/OMC report (if any)  T. Warnock
ISO/WG5 report  K. Bierman
Treasurer's report  M. North
Beginning membership report  T. Warnock
Local arrangements  M. North
Comments from members
1.2 Subgroup organization  T. Warnock
1.3 F95 interpretation organization  S. Whitlock
1.4 Subgroup meetings
1.5 Subgroup reports (4:30 pm)

2. Tuesday, August 24, 1999  8:30 am
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2.1 F2000 Plenary (99-010) Subgroup Heads
2.2 F95 interpretation processing (99-006) S. Whitlock
2.3 Tutorials (if needed)
2.4 Subgroup meetings
2.5 Subgroup reports (4:30 pm)

3. Wednesday, August 25, 1999  8:30 am
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3.1 F2000 Plenary Subgroup Heads
3.2 F95 interpretation processing S. Whitlock
3.3 Tutorials (if needed)
3.4 Subgroup meetings
3.5 Subgroup reports (4:30 pm)

4. Thursday, August 26, 1999  8:30 am
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4.1 F2000 Plenary Subgroup Heads
4.2 F95 interpretation processing S. Whitlock
3.3 Tutorials (if needed)
4.4 Subgroup meetings
4.5 Subgroup reports (3:30 pm if TAG)
4.6 TAG meeting (4:00) (if needed) K. Bierman

5. Friday, August 27, 1999  8:30 am
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5.1 F2000 Plenary Subgroup heads
5.2 F95 interpretation processing S. Whitlock
5.3 Closing business
  Review of action items (if any)
  Future meetings M. North
  Treasurer's report M. North
  Closing membership report T. Warnock
  Comments from members

Adjournment
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Appendix B: Register of documents, J3/99-000

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J3 REGISTER OF DOCUMENTS FOR 1999
99-000.TXT
Revised October 28, 1999
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ftp site: ftp.ncsa.uiuc.edu/x3j3/doc/meeting
ftp mirror site: ftp.drfc.nasa.gov/pub/x3j3/ncsa/doc/meeting
J3 World Wide Web site URL: http://www.ionet.net/~jwagener/J3
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I. Standing Documents

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<td>J3 Resolutions and Responses to WG5 Resolutions</td>
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II. 1999 Papers

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PAPERS SUBMITTED FOR J3 MEETING 148
KIHEI, HAWAII, MARCH 1 - 6, 1999
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PAPERS SUBMITTED FOR J3 MEETING 149
OXFORD, ENGLAND, JUNE 7 - 11, 1999

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<td>Comments and questions concerning initialization and finalization -maybe resolving issue 191 Issues 134, 135, 136</td>
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<td>Miscellaneous Interop edits</td>
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</table>
Remedying oversights in 98-121r1 -- edits for procedure pointers

Comments, questions and miscellaneous edits concerning 99-007r2

More work on ERRMSG=

More work on deferred type parameters

Unresolved issues 78 and 141

Numerous changes in 12.4.1.2,

Unresolved issue 134

Unresolved issues 138 and 140

Type parameters are distinguished along the wrong axis

Is padding allowed in storage sequences?

What is a numeric character?

Asterisks as I/O units

Writing zeros

Comments on C interoperability

Unresolved issue 13 and topics inspired by it

Baroque spelling of 'WITH' functionality

Interface scoping problem

Interpretation request on argument passing

Interpretation request on INTENT(IN) and implied DO

Interpretation request on NULLIFY and INTENT(IN)

Interpretation request on PURE procedures

Interpretation request on generic procedures

Unresolved issues 178 - 201 (initial and final)

Unresolved issue 195

Edits for the sharing of global data between Fortran and C

Unresolved issue 150

Interpretation request on LEN of null
| J3/99-208  | 990810 | Takata | Interpretation requests of Japan |
| J3/99-210r1 | 990822 | /Interop | BINDNAME revisited |
| J3/99-211r1 | 990823 | /Interop | When C_FLOAT etc. are invalid |
| J3/99-212  | 990823 | Bleikamp | Interpretation request 66 on I/O errors |
| J3/99-213r1 | 990823 | Bleikamp | Interpretation request 67 |
| J3/99-214  | 990823 | Bleikamp | Interpretation request 69: What is a numeric character? |
| J3/99-215r1 | 990823 | Dedo | Interpretation request 68: asterisks as I/O units |
| J3/99-216r1 | 990823 | /Data | Interpretation request 70 on constant spec. expressions |
| J3/99-217r3 | 990823 | Cohen | Interpretation request 71 on character array constructors |
| J3/99-218  | 990823 | Cohen | Interpretation request 72 on generic procedures and elementals |
| J3/99-219r1 | 990824 | Cohen | Unresolved issue 14 |
| J3/99-220  | 990825 | Bleikamp | Edits suggested by 99-182r1 and N1335 |
| J3/99-221r1 | 990825 | Dedo | J3 responses to interpretation requests from Japan |
| J3/99-222r2 | 990825 | Dedo | JOR responses to WG5/N1356 |
| J3/99-223  | 990825 | Cohen | Interpretation request on pointer assignment and allocatable arrays |
| J3/99-224  | 990825 | Cohen | /Data-related issues from WG5/N1356 |
| J3/99-225  | 990826 | North | Meeting 150 treasurer’s report |
| J3/99-226  | 990826 | /Interop | Responses to issues in 99-182r1 and N1356 |
| J3/99-227  | 990826 | Warnock | J3 response to WG5 resolutions |
| J3/99-228  | 990827 | Bierman | Correspondence on rounding |
| J3/99-229  | 990827 | Steidel | Meeting 150 minutes |

Appendix C: Future meetings and distribution/Secretarial 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:

151 November 29 - December 3, 1999, in Las Vegas, NV
   Mallory North, acting host
   Premeeting distribution deadline: November 15, 1999
   Premeeting distribution: electronic
   Post-meeting distribution: electronic
   Acting secretary: Keith Bierman

152 March 6 - 10, 2000, in Las Vegas, NV
   Mallory North, acting host
   Premeeting distribution deadline: February 21, 2000
   Premeeting distribution: electronic
   Post-meeting distribution: electronic
   Acting secretary: Richard Hendrickson

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: Kurt Hirchert

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: Van Snyder

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: Henry Zongaro

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.

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 premeeting 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.ncsa.uiuc.edu/x3j3/doc/meeting/149
ftp mirror site: ftp.drfc.nasa.gov/pub/x3j3/ncsa/doc/meeting/149

Appendix D: Committee organization

Officers and Management

Chair T. Warnock
International Rep. K. Bierman
Secretary Open (Steidel acting for Mtg. 150)
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

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, R. Hendrickson, Craig Dedo

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), J. Martin, V. Snyder

NUMERIC: Responsible for R4. Inactive at this meeting.

T. Warnock (head)

INTEROP: Responsible for R9.

H. Zongaro (head), K. Bierman, 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.) Inactive at this meeting.

S. Whitlock (head), R. Bleikamp, M. Cohen, J. Steidel, H. Zongaro
Appendix E: Membership summary

J3 Meeting Attendance (Principal Members)

<table>
<thead>
<tr>
<th>Meeting #</th>
<th>Location (state/country)</th>
<th>Date (month year)</th>
<th>Name</th>
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<td>Rose-Hulman</td>
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<td>Zongaro, Henry</td>
<td>IBM</td>
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</table>

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 two of last three meetings   *** lost membership

Total Membership at beginning of Meeting 146 14
Majority 8
Quorum 5
Total Membership at end of Meeting 146 14
Total Members Attended or Represented at 146 12
Total Attendees at Meeting 146 15

Appendix F: Members and Alternates

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