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Date: 13 November 1998

To: J3

From: Van Snyder

Subject: Minutes for regularly scheduled meeting 147 of NCITS/J3

# 1 Monday, November 9, 1998

#### 1.1 Opening business

Meeting called to order at 8:30 AM, November 9, 1998, at the AmeriSuites hotel in Las Vegas, NV USA, by Tony Warnock (J3 chair).

#### 1.1.1 Members present

Keith Bierman, Richard Bleikamp, Malcolm Cohen, Craig Dedo, Dick Hendrickson, Kurt Hirchert, Mallory North (treasurer / librarian), Van Snyder (acting secretary), Matthijs van Waveren, Tony Warnock (chair), Stan Whitlock, Henry Zongaro.

#### 1.1.2 Alternates present

Richard Maine (for Malcolm Cohen), Jeanne Martin (for Brian Smith).

#### 1.1.3 Remarks from the chair

None that require recording.

#### 1.1.4 Adoption of agenda

Change item 2.4 of draft agenda from "Tutorials" to "Discussion of LIA2." Schedule Malcolm Cohen's tutorial on type-bound procedures as agenda item 3.4, "Tutorials." Change item 4.4 of draft agenda from "Tutorials" to "Discussion of integration process."

Accept agenda as amended: Whitlock / Hendrickson – unanimous.

Motion

#### 1.1.5 Approval of meeting 146 minutes

Correction to minutes: Change paper 98-188 in list of papers to 98-1881.

Accept minutes as amended: Whitlock / Hendrickson – unanimous.

Motion

#### 1.1.6 Secretarial arrangements

The post of Secretary is a revolving post. The secretary for this meeting is Van Snyder. The secretary for meeting 148 is Henry Zongaro.

#### 1.1.7 NCITS/OMC report

Tony Warnock attended NCITS meeting. NCITS objects to official distributions to non-members. "Unofficial observers" will be removed from official distribution lists (the yearly report is the only official distribution).

LISP committee is to reconvene.

NCITS asked "Will Fortran survive?" A member responded that the extent of use of Fortran is increasing, but the "market share" is decreasing.

NCITS will publish C and C++ standards electronically. J3 hopes the experiment is a success, and looks forward to being able to publish the next revision of the Fortran standard electronically.

#### 1.1.8 ISO/WG5 report

Nothing has been officially reported to J3, including the change in the meeting date of the summer 1999 meeting in Chateau de Cadarache, France.

#### 1.1.9 Treasurer's report

Expenses to date have been paid. Balance as of 31 October 1998 is \$1476.63. The meeting fee is \$100. This meeting will cost \$238. The meeting room will be free.

#### 1.1.10 Beginning membership report

Matthijs van Waveren has joined officially. 15 members. 12 present. 13 voting. Brian Smith is absent but represented by Jeanne Martin. Jon Steidel is absent. Loren Meissner is absent; his membership will expire at the end of meeting 147. Quorum is 5.

#### 1.1.11 Comments from members

None that require recording.

#### 1.2 Subgroup Organization

/jor: Whitlock (head), Bleikamp, Dedo, Hendrickson, Maine. Move "Stream I/O" from "B" status to "MTE" status. Put normative text requiring 4-digit year into description of DATE\_AND\_TIME intrinsic subroutine.

Move "M.4 Stream I/O" to "MTE" status: Whitlock/Dedo – unanimous.

Motion

/numeric Warnock (head). Inactive for this meeting.

/interop Zongaro (head), Bierman, van Waveren. Specifications and syntax for Aliasing and Enumerations. Edits for previously approved specifications and syntax.

**/data** Cohen (head), Hirchert, Snyder, Martin. Process remarks on recently completed edits to produce 98-007r3 (papers 98-206, 98-207), Explicitly typed allocations, initial and final procedures, papers by Werner Schulz.

/interp Whitlock (head), Zongaro. Action will depend on time permitting.

The planery meeting was recogned until 4:30 PM for subgroup meetings

#### 1.3 Subgroup reports

/jor: Stream I/O based on 98-209 – allow formatted and unformatted I/O on same unit so long as opened with ACCESS='STREAM'; define file storage units. Draft 3-word edit to description of DATE\_AND\_TIME intrinsic subroutine (for Y2K compliance) – paper 98-224 for vote on Tuesday. Look at unresolved issues in 98-011r1.

**/data:** Papers for repairs for SELECT TYPE and type-bound procedures edits, explicitly typed allocations, public and private components, initial and final procedures, generic type-bound procedures, constants for opaque types (work item R.4f), review of paper 98-180 (procedure pointers).

/interop: No papers. Working on consolidated paper for syntax previously spread across three papers. New papers for enumerations, "stdargs" (varying number of arguments), aliasing (based on 98-197), C-calling-Fortran, edits.

Meeting was recessed until 8:30 AM Tuesday.

# 2 Tuesday, November 10, 1998

Meeting called to order at 8:30 AM, November 10, 1998, at the AmeriSuites hotel in Las Vegas, NV USA, by Tony Warnock (J3 chair).

Accept paper 98-224 as edits for DATE\_AND\_TIME intrinsic subroutine, for Y2K compliance: **Motion** Whitlock / Dedo – unanimous.

#### 2.1 LIA2 report

ISO wants language development bodies to incorporate it. Remarks: "Not interesting." "Does not solve any known problems in Fortran." "Is this a chip makers' problem? No, section 7 says it is a language development committee problem." Keith Bierman will write a paper.

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

#### 2.2 Subgroup reports

Papers for action on Wednesday:

/jor:

| 98 - 209 r 1 | Stream I/O (M.25)                      | Discussion and Vote       |
|--------------|--|---------------------------|
| 98 - 213 r 1 | Access to status error messages (M.23) | Discussion and Straw Vote |
| 98-234       | Environment variables (M18b)           | Discussion and Vote       |

#### /data:

| 98-226   | Repair edits for SELECT TYPE           | Discussion and vote                   |
|----------|--|---------------------------------------|
| 98-227   | Repair edits for Type-bound procedures | Discussion, vote Thursday (hopefully) |
| 98-228   | Public and private components          | Edits, vote Thursday (hopefully)      |
| 98-208r1 | Explicitly typed allocations           | Discussion and vote                   |
| 00 220   | Initial and final proceedures          | Not ready for Wednesday morning       |

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98-225 Generic type-bound procedures Discussion

#### /interop:

| 98-233 | Varying number of arguments | Discussion and straw vote |
|--------|-----------------------------|---------------------------|
|        | Enumerations                | Not ready for Wednesday   |
|        | Consolidation               | Not ready for Wednesday   |
|        | Edits                       | Not ready for Wednesday   |

Meeting was recessed until 8:30 AM Wednesday.

# 3 Wednesday, November 11, 1998

Meeting called to order at 8:30 AM, November 10, 1998, at the AmeriSuites hotel in Las Vegas, NV USA, by Tony Warnock (J3 chair).

 $Accept\ paper\ 98-209r1\ as\ Specs\ and\ syntax\ for\ M.25\ Stream\ I/O:\ Whitlock\ /\ Dedo-unanimous. \ \ \textbf{Motion}$ 

Discussion of 98-213r1 (M.23 Access to status error messages)

Straw vote concerning message arguments:

Allocatable only, Static only, Both, undecided? 2,4,4,2

Clarification straw votes:

Static message argument only acceptable; yes, no, undecided? 5,5,2

Both static and allocatable message arguments acceptable; yes, no, undecided? 10,0,2

**Discussion of 98-231** (Inter-line optimization) Straw vote: Do nothing, Compiler Option, Local control, undecided? 5,2,3,3

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

#### 3.1 Subgroup reports

## /data

Accept paper 98-226r1 as edits to resolve issues raised in 98-205 and 98-206: Cohen / Hirchert – **Motion** unanimous.

Accept paper 98-208r1 as edits for explicitly typed allocations: Snyder / Cohen – unanimous. Motion

98-227r1 Further edits for type-bound procedures Vote

#### /jor

| $98 - 213  \mathrm{r2}$ | Access to status error messages | Vote                                     |
|-------------------------|---------------------------------|--|
| 98-241                  | Renaming defined operators      | Discussion and vote                      |
| 98 - 234 r 1            | Environment variables (M.18b)   | Updated to incorporate agreed amendments |

| 98-233r1 | Specs and syntax for varying arguments | Vote                  |
|----------|--|-----------------------|
| 98-238   | Specs, syntax, edits for enumerations  | Vote specs and syntax |
| 98-239   | Collective reference for approved work | No action             |
| 98-240   | Partial edits to implement 98-239      | Vote                  |

#### LIA

98-232r1 J3 response to ISO concerning LIA2 Vote

Meeting was recessed until 8:30 AM Thursday.

# 4 Thursday, November 12, 1998

Meeting called to order at 8:30 AM, November 10, 1998, at the AmeriSuites hotel in Las Vegas, NV USA, by Tony Warnock (J3 chair).

Accept 98-213r2 as edits for M.23 Access to status error messages: Whitlock / Snyder – with- Motion drawn.

Straw votes: STMT optional? 9-0-3; STMT 2 values? 10-1-1; 1 or 2 message arguments? 7-2-3; STMT absent or optional if STAT absent? 0,3,9

Accept 98-241 as amended as edits for M.7 Renaming defined operators: Whitlock / Hendrick- Motion son – unanimous.

Accept 98-227r1 as amended as further edits for type-bound procedures: Cohen / Hirchert – **Motion** unanimous.

Accept 98-238 as syntax for enumeration type aliases: Zongaro / Whitlock – withdrawn. Motion

Accept 98-233r1 as specifications for "stdargs:" Zongaro / Bierman – withdrawn. Motion

Straw vote: Varying and ellipsis, ellipsis only? 4, 7, 1.

Accept 98-240 as amended as partial edits for C interoperability: Zongaro / Whitlock – unan- Motion imous.

Hold future Las Vegas meetings at AmeriSuites instead of Sunrise Suites: North / Whitlock - **Motion** unanimous.

Papers for the afternoon session:

| /interop | 98-233r2     | 98 - 232 r 2 | 98 - 238 r 1 |
|----------|--------------|--------------|--------------|
| /jor     | 98 - 213 r 2 | 98 - 211 r 1 | 98 - 242     |
| /data    | 98-228       | 98-229       | 98-230       |

The plenary meeting was recessed until 4:00 PM for subgroup meetings.

#### 4.1 Subgroup reports

unanimous.

**/jor** Nothing until Friday

#### /interop

Accept 98-233r2 as specifications for "stdargs:" Bierman / Zongaro – unanimous.

Motion

Accept 98-238r1 as amended as syntax for enumeration type aliases: Zongaro / van Waveren – **Motion** unanimous.

Straw vote: ENUM with neither BIND(C) nor *kind-selector* is default kind, processor dependent kind? 1, 11, 1.

#### LIA2

Accept 98-232r2 as amended as J3 response to NCITS request to review LIA2: Bierman / Motion Dedo – unanimous.

Papers for the morning session:

jor

| 98-213r3 | M.23 Access to status error messages               | Vote |
|----------|--|------|
| 98-211r2 | Edits for Stream I/O                               | Vote |
| 98-242   | Miscellaneous edits arising from 98-204 and 98-212 | Vote |

Meeting was recessed until 8:30 AM Friday.

# 5 Friday, November 13, 1998

Meeting called to order at 8:30 AM, November 10, 1998, at the AmeriSuites hotel in Las Vegas, NV USA, by Tony Warnock (J3 chair).

Accept 98-213r3 as edits for M.23 Access to status error messages: Whitlock / Snyder - amended to include edits only until and including the line "Class. Subroutine" with the remainder of discussion and development to be completed by e-mail, followed by two-week e-mail vote – unanimous.

Accept 98-242 Miscellaneous edits arising from 98-204 and 98-212: Whitlock / Bleikamp - **Motion** amended – unanimous.

Accept 98-211r1 as edits for stream I/O: Whitlock / Maine - amended - unanimous. Motion

Accept 98-229 as edits for Initial and Final procedures: Cohen / Hirchert - amended – unanimous. **Motion** 

Accept 98-230 as syntax for Additional arguments for Initial procedures: Cohen / Hirchert - **Motion** Only the "Basic facility" part – unanimous.

Accept 98-243 as edits for Explicitly typed allocations: Maine / Hirchert - amended – unanimous. **Motion** 

## 5.1 Interpretation processing

None carried out

#### 5.2 Review of action items

None pending

## 5.3 Future meetings

Meeting 148 will be 1-5 March 1999 in Maui, Hawaii. Brian Smith is host.

Meeting 149 will be 7-11 June 1999 in Oxford, England. Malcolm Cohen is host.

The 1999 ISO IEC/JTC1/SC22/WG5 meeting is 14-18 June in Chateau de Cadarache, France. The French delegation is host.

## 5.4 Closing membership report

Loren Meissner's membership has expired. Jon Steidel's membership is in jeopardy and will expire if he does not attend meeting 148.

## 5.5 Closing business

Adjourn meeting 147: Whitlock / Dedo – Unanimous. Meeting 147 was adjourned at 12:07 **Motion** PM on 13 November 1998.

# Appendix A: Agenda for J3 meeting 147

| 1.  | Monday, November 9, 1998 8:30 am             |                |
|-----|--|----------------|
| 1.1 | Opening business                             | T. Warnock     |
|     | Remarks from the chair                       | T. Warnock     |
|     | Adoption of agenda                           | T. Warnock     |
|     | Approval of Meeting 146 minutes              | T. Warnock     |
|     | NCITS/OMC report (if any)                    | T. Warnock     |
|     | ISO/WG5 report                               | K. Bierman     |
|     | Treasurer's report                           | M. North       |
|     | Beginning membership report                  | K. Hirchert    |
|     | Local arrangements                           | M. North       |
|     | Comments from members                        |                |
| 1.2 | Subgroup organization                        | T. Warnock     |
| 1.3 | Subgroup meetings                            |                |
| 1.4 | Subgroup reports (4:30 pm)                   |                |
| 2.  | Tuesday, November $10, 1998 8:30 \text{ am}$ |                |
| 2.1 | F2000 R item processing (98-010)             | Subgroup heads |
| 2.2 | F2000 MTE item processing (98-010)           | S. Whitlock    |
| 2.3 | F95 interpretation processing (98-006)       | S. Whitlock    |
| 2.4 | Discussion of LIA-2                          |                |
| 2.5 | Subgroup meetings                            |                |
| 2.6 | Subgroup reports (4:30 pm)                   |                |
| 3.  | Wednesday, November 11, 1998 8:30 am         |                |
| 0.1 | D2000 D ::                                   | 0 1 1 1        |

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| 3.3  | F95 interpretation processing S. Whitlock          |                |  |
|------|--|----------------|--|
| 3.4  | Tutorial by Malcolm Cohen on type-bound procedures |                |  |
| 3.5  | Subgroup meetings                                  |                |  |
| 3.6  | Subgroup reports (4:30 pm)                         |                |  |
| 4.   | Thursday, November 12, 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  | Discussion of integration process                  |                |  |
| 4.5  | Subgroup meetings                                  |                |  |
| 4.6  | Subgroup reports (3:30 pm)                         |                |  |
| 4.7  | TAG meeting (4:00) (if needed)                     | K. Bierman     |  |
| 5.   | Friday, November 13, 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  | Closing business                                   |                |  |
|      | Review of action items (if any)                    |                |  |
|      | Future meetings                                    | M. North       |  |
|      | Treasurer's report                                 | M. North       |  |
|      | Closing membership report                          | K. Hirchert    |  |
|      | Comments from members                              |                |  |
| A 1. |  |                |  |

Adjournment

1. "MTE processing" includes consideration of "B" items as MTE candidates

# Appendix B: Register of documents, J3/98-000

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PAPERS SUBMITTED FOR J3 MEETING 147 LAS VEGAS, NEVADA, NOVEMBER 9 - 13, 1998

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ftp site: ftp.ncsa.uiuc.edu/x3j3/doc/meeting/147
ftp mirror site: ftp.drfc.nasa.gov/pub/x3j3/ncsa/doc/meeting/147

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

| Paper Number     | Date   | Submitter | Title   |
|------------------|--------|-----------|---|
| J3/98-204<br>txt | 981002 | Maine     | Edits Incorporated in 98-007r3  |
| J3/98-205<br>txt | 981002 | Maine     | Additions to List of Unresolved Issues  |
| J3/98-206<br>ps  | 981014 | Snyder    | Comments on Richard Maine's Comments<br>in 98-204 and 98-205 Concerning<br>98-184r2 |
| J3/98-207<br>ps  | 981014 | Snyder    | Comments on Richard Maine's Comments in 98-204 and 98-205 Concerning                |

# J3/98-244r1

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| J3/98-208r2<br>ps         | 981014 | Snyder   | Edits for Explicitly Typed Allocations   |
|---------------------------|--------|----------|--|
| J3/98-209r2<br>txt        | 981014 | Maine    | Specs and Syntax for M.25, Stream I/O  |
| J3/98-210<br>txt          | 981019 | Maine    | Edits for Sequential Stream I/O  |
| J3/98-211r2<br>txt        | 981021 | Maine    | Edits for M.25, Stream I/O   |
| J3/98-212<br>ps           | 981022 | Snyder   | Miscellaneous Comments and Questions About 98-007r3  |
| J3/98-213r4<br>ps         | 981022 | Snyder   | Specs, Syntax, and Edits for M.23:<br>Access to Status Error Messages                                      |
| J3/98-214r1<br>txt,ps,wpd | 981025 | Dedo     | Defining Bit, Byte, and Octet  |
| J3/98-215r1<br>txt,ps,wpd | 981025 | Dedo     | Options for Defining File Storage<br>Units   |
| J3/98-216<br>txt,ps,wpd   | 981025 | Dedo     | Revisiting OOP Syntax  |
| J3/98-217<br>txt          | 981025 | Schulz   | Comments on OOP in Fortran 2000  |
| J3/98-218<br>txt          | 981101 | Schulz   | 00P in Fortran 2000: Polymorphic Objects   |
| J3/98-219<br>txt          | 981101 | Schulz   | 00P in Fortran 2000: The sub-type vs. Sub-TYPE Problem   |
| J3/98-220<br>txt          | 981101 | Schulz   | 00P in Fortran 2000: SELF and LIKE   |
| J3/98-221<br>ps           | 981102 | Snyder   | Integrating Abstract Procedure Interfaces, Procedure Pointers, Dummy Procedures, and Type-Bound Procedures |
| J3/98-222<br>ps           | 981104 | Snyder   | Simplify PASS_OBJ (by getting rid of it)   |
| J3/98-223<br>ps           | 981105 | Snyder   | Controlled Explicit Covariance   |
| J3/98-224<br>txt,ps,wpd   | 981109 | Dedo     | Year 2000 (Y2K) Clarification  |
| J3/98-225<br>ps           | 981109 | Snyder   | Specs and Syntax for Generic Type-<br>Bound Procedures   |
| J3/98-226r1<br>txt        | 981110 | Cohen    | Fixes for SELECT TYPE  |
| J3/98-227r2<br>txt        | 981110 | Cohen    | Further Edits for Type-Bound<br>Procedures   |
| J3/98-228r1<br>txt        | 981110 | Martin   | Mixed PUBLIC/PRIVATE Components:<br>Edits  |
| J3/98-229r1<br>txt,ps,rtf | 981110 | Hirchert | INITIAL/FINAL Edits  |
| J3/98-230<br>txt,ps,rtf   | 981110 | Hirchert | Additional Arguments for Initial Procedures  |
| J3/98-231                 | 981110 | Bierman  | Interline Optimization   |

| J3/98-232r3<br>txt,doc,htm |        | Bierman     | Response to LIA-2   |
|----------------------------|--------|-------------|---|
| J3/98-233r2<br>txt,doc,htm | 981110 | Bierman     | STDARGS   |
| J3/98-234r1<br>txt         | 981110 | Bleikamp    | Environment Variable Edits / M18.b                          |
| J3/98-235<br>txt,ps,wpd    | 981111 | Dedo        | Flexible Optiization Control - Email on Function Evaluation |
| J3/98-236<br>txt           | 981111 | North       | Meeting 147 Treasurer's Report                              |
| J3/98-237                  | 981111 | Cohen       | Tutorial on Type-Bound Procedures                           |
| J3/98-238r2<br>ps          | 981111 | VanWaveren  | Enumeration Types   |
| J3/98-239<br>txt           | 981111 | Zongaro     | Approved Syntax for Interoperability                        |
| J3/98-240r1<br>txt         | 981111 | Zongaro     | Edits for Interoperability : Part 1                         |
| J3/98-241r1<br>txt,htm,doc |        | Hendrickson | Edits for Renaming Defined Operators, M7                    |
| J3/98-242r1<br>txt         | 981112 | Whitlock    | Edits from 98-204 and 98-212                                |
| J3/98-243r1<br>txt         | 981112 | Maine       | Edits for Explicitly Typed Array<br>Constructors            |
| J3/98-244r1<br>ps          | 981113 | Snyder      | Minutes of Meeting 147                                      |

# Appendix C: Future meetings and distributions, 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:

148 March 1 - 5, 1999, in Maui, Hawaii, Brian Smith, local host

Premeeting distribution deadline: February 15, 1999

Premeeting distribution: electronic Post-meeting distribution: electronic Acting secretary: Henry Zongaro

 $149\,$  June 7 - 11, 1999, in Oxford, England, Malcolm Cohen, host

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Post-meeting distribution: electronic Acting secretary: Matthijs van Waveren

150 (Tentative) August 30 - September 3, 1999, in Las Vegas, NV, Mallory North, acting host

Premeeting distribution deadline: August 16, 1999

Premeeting distribution: electronic Post-meeting distribution: electronic Acting secretary: Kurt Hirchert

151 (150 if the meeting August 30 - September 3 is not held)

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: Jon Steidel (or Kurt Hirchert if meeting 150)

#### 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/147

ftp mirror site: ftp.drfc.nasa.gov/pub/x3j3/ncsa/doc/meeting/147 J3 World Wide Web site URL: http://www.ionet/jwagener/J3

# Appendix D: Committee organization

#### D.1 Officers and Management

Chair T. Warnock International Rep. K. Bierman

Secretary Open (rotating; V.Snyder acting for this meeting)

Treasurer M. North Librarian M. North

Editor R. Maine (WG5 appointment)

Maintenance S. Whitlock Vocabulary Rep. 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.8, and all MTE and B items.
  - S. Whitlock (head), R. Bleikamp, C. Dedo, D. Hendrickson, R. Maine
- **DATA:** Responsible for language design topics related to data and data structures; manages the following Fortran 2000 requirements: R.3, R.5, R.6, and R.7.
  - M. Cohen (head), K. Hirchert, J. Martin, V. Snyder
- **NUMERIC:** (title of this subgroup has changed from INTERVAL at this meeting) Responsible for R.4 (enabling technologies for interval arithmetic). Inactive at this meeting.
  - T. Warnock (head)
- **INTEROP:** Responsible for R.9 (interoperability with C)
  - H. Zongaro (head), K. Bierman, M. van Waveren
- **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)

| Meeting Number    |                       | 137          | 138  | 139          |              | 141          | ~            |              |              | 145 | 146          |              |
|-------------------|-----------------------|--------------|------|--------------|--------------|--------------|--------------|--------------|--------------|-----|--------------|--------------|
| Location (state)  |                       | IN V         | IN V | IN V         | ΝV           | ΝV           | CO           | NV           | LA           | IIN | CA           | ΝV           |
| Date (month year) |                       | 05           | 08   | 11           | 02           | 05           | 08           | 11           | 02           | 05  | 08           | 11           |
|                   |                       | 96           | 96   | 96           | 97           | 97           | 97           | 97           | 98           | 98  | 98           | 98           |
| Name              | Affiliation           |              |      |              |              |              |              |              |              |     |              |              |
| Bierman, Keith    | $\operatorname{Sun}$  | V            | V    | V            | V            | V            | V            | V            | V            | V   | V            | V            |
| Bleikamp, Richard | HP                    | RP           | RP   | RP           | RP           | RP           | RP           | RP           | V            | V   | A            | V            |
| Cohen, Malcolm    | NAG                   |              | Ρ    | $\mathbf{E}$ | V            | V            | V            | $\mathbf{R}$ | V            | V   | $\mathbf{R}$ | V            |
| Dedo, Craig       | $\operatorname{self}$ | V            | V    | V            | V            | V            | V            | V            | V            | V   | V            | V            |
| Hendrickson, Dick | $\operatorname{self}$ | V            | V    | V            | V            | V            | A            | V            | V            | V   | V            | V            |
| Hirchert, Kurt    | U of IL               | V            | V    | V            | V            | V            | V            | V            | V            | V   | V            | V            |
| Meissner, Loren   | $\operatorname{self}$ | V            | V    | V            | V            | V            | V            | V            | V            | A   | A**          | A***         |
| North, Mallory    | Rose-Hulman           | V            | V    | V            | V            | V            | V            | V            | V            | V   | V            | V            |
| Smith, Brian      | U of NM               | $\mathbf{R}$ | A    | $\mathbf{R}$ | $\mathbf{R}$ | $\mathbf{R}$ | $\mathbf{R}$ | $\mathbf{R}$ | $\mathbf{R}$ | A   | $\mathbf{R}$ | $\mathbf{R}$ |
| Snyder Van        | IPL/Caltech           |              |      |              | Р            | V            | V            | V            | V            | Α   | V            | V            |

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| van Waveren, Matthijs | $\operatorname{Fujitsu}$ |   |   |   |   |   |   |   |   |   | Ρ | V |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|---|---|---|
| Warnock, Tony         | LANL                     | V | V | V | 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                      | V | V | Α | V | V | V | V | V | V | V | V |

| V   | present and voting                | other voting attendees         |
|-----|-----------------------------------|--------------------------------|
| R   | absent but represented            | J Martin represented B Smith   |
| A   | absent and not represented        |                                |
| P   | present but not voting            | non-voting attendees           |
| RP  | represented by previous member    | R Maine, alternate for M Cohen |
| E   | excused                           |                                |
| Q   | resigned                          |                                |
| **  | missed two of last three meetings |                                |
| *** | lost membership                   |                                |

Membership changes since last meeting: Matthijs van Waveren joined

| Total Membership at beginning of Meeting 147         | 15 |
|--|----|
| Majority   | 8  |
| Quorum   | 5  |
| Total Membership at end of Meeting 147               | 14 |
| Total Members Attended or Represented at Meeting 147 | 13 |
| Total Attendees at Meeting 147                       | 14 |

# Appendix F: Members, Alternates, Observers and Liaisons

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