Date: 10 November 1998
To: J3
From: Van Snyder
Subject: Draft 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), 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 98-188r1.

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).

There is a rumor that fees are to increase, but no official announcement as yet.

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 Local arrangements

Monday-Wednesday – Plenary meeting in Nirvana room. Thursday-Friday – Plenary meeting in Twilight room. Del Rio and Sterling board rooms available for subgroup meetings Monday-Wednesday. Baccarat and Sinatra rooms available for subgroup meetings Thursday-Friday. The hotel's business center is closed to change contractors, but we may get the use of a copier.

1.1.12 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 plenary meeting was recessed 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 R4f), 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: Whitlock / Dedo – unanimous. **Motion**

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:

98-209r1	Stream I/O (M.25)	Discussion and Vote
98-213r1	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
98-229	Initial and final procedures	Not ready for Wednesday morning
98-230	Constants for opaque types (R4f)	Not ready for Wednesday morning
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. **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 – unanimous. **Motion**

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

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

/jor

98-213r2	Access to status error messages	Vote
98-241	Renaming defined operators	Discussion and vote
98-234r1	Environment variables (M.18b)	Updated to incorporate agreed amendments

/interop

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 – withdrawn. **Motion**

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 / Hendrickson – unanimous. **Motion**

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

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 – unanimous. **Motion**

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

Afternoon homework:

/interop	98-233r2	98-232r2	98-238r1
/jor	98-213r2	98-211r1	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

/data

Accept 98-228 as amended as edits for mixed public and private components: Cohen / Martin – unanimous. **Motion**

/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 – unanimous. **Motion**

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 / Dedo – unanimous. **Motion**

Evening homework:

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. **Motion**

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

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 edits for Additional arguments for Initial procedures: Cohen / Hirchert - Only the "Basic facility" part – unanimous. **Motion**

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 PM on 13 November 1998. **Motion**

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 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	Tutorials (if needed)	
2.5	Subgroup meetings	
2.6	Subgroup reports (4:30 pm)	
3.	Wednesday, November 11, 1998 8:30 am	
3.1	F2000 R item processing	Subgroup heads
3.2	F2000 MTE item processing	S. Whitlock

3.3	F95 interpretation processing	S. Whitlock
3.4	Tutorials (if needed)	
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	Tutorials (if needed)	
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	

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
------------------------------------------------------------------------
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    981002    Maine         Edits Incorporated in 98-007r3
 txt
J3/98-205    981002    Maine         Additions to List of Unresolved
 txt                                 Issues
J3/98-206    981014    Snyder        Comments on Richard Maine's Comments
 ps                                  in 98-204 and 98-205 Concerning
                                     98-184r2
J3/98-207    981014    Snyder        Comments on Richard Maine's Comments
 ps                                  in 98-204 and 98-205 Concerning
                                     98-186r1
```

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

J3/98-232r3 txt,doc,htm	981110	Bierman	Response to LIA-2
J3/98-233r2 txt,doc,htm	981110	Bierman	STDARGS
J3/98-234r1 txt	981110	Bleikamp	Environment Variable Edits / M18.b
J3/98-235 txt,ps,wpd	981111	Dedo	Flexible Optiization Control - Email on Function Evaluation
J3/98-236 txt	981111	North	Meeting 147 Treasurer's Report
J3/98-237	981111	Cohen	Tutorial on Type-Bound Procedures
J3/98-238r2 ps	981111	VanWaveren	Enumeration Types
J3/98-239 txt	981111	Zongaro	Approved Syntax for Interoperability
J3/98-240r1 txt	981111	Zongaro	Edits for Interoperability : Part 1
J3/98-241r1 txt,htm,doc,wpd	981111	Hendrickson	Edits for Renaming Defined Operators, M7
J3/98-242r1 txt	981112	Whitlock	Edits from 98-204 and 98-212
J3/98-243r1 txt	981112	Maine	Edits for Explicitly Typed Array Constructors
J3/98-244 ps,txt	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
Premeeting distribution deadline: May 24, 1999
Premeeting distribution: electronic

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
Future Meetings	M. North

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: R3, R5, R6, and R7.

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 R9 (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	140	141	142	143	144	145	146	147
Location (state)		NV	NV	NV	NV	NV	CO	NV	LA	IN	CA	NV
Date (month year)		05 96	08 96	11 96	02 97	05 97	08 97	11 97	02 98	05 98	08 98	11 98
Name	Affiliation											
Bierman, Keith	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		P	E	V	V	V	R	V	V	R	V
Dedo, Craig	self	V	V	V	V	V	V	V	V	V	V	V
Hendrickson, Dick	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	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	R	A	R	R	R	R	R	R	A	R	R
Snyder, Van	JPL/Caltech				P	V	V	V	V	A	V	V
Steidel, Jon	SGI/Cray	RP	RP	RP	RP	RP	RP	RP	V	V	A	A**

van Waveren, Matthijs	Fujistsu										P	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	A	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

PRINCIPALS

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