Minutes of Meeting 135

X3J3 ANSI Fortran Standards Committee

November 13 - 17, 1995

San Diego, California

X3J3 / 95-314r1

Table of Contents

Meeting 135 Minutes

by Craig T. Dedo
November 28, 1995

1 Monday, November 13, 1995

A regular meeting was held at 8:30 a.m. on Monday, November 13, 1995 in the Lisbon Conference Room at the Ramada Inn San Diego North, 5550 N. Kearny Mesa Road, San Diego, CA 92111. Jerrold Wagener was in the chair and Craig Dedo took the minutes.

1.1 Opening Announcement

Larry Rolison is a brand new graduate of the ANSI school of rules and procedures. He learned a lot about the expectations that ANSI has of officers of ANSI sponsored standards efforts. Larry Rolison asked that we take a vote to declare the meeting to be duly called in the event we had unknowingly violated any ANSI, X3, or other governing body rules regarding meeting validity. We expect to take this action at the beginning of each meeting.

Motion: X3J3 declares this meeting to be a duly called meeting.
Moved: Larry Rolison Second: Craig Dedo
Action: Passed by unanimous consent.

1.2 Meeting 135 Objectives and Chair's Report

Discussion Leader: Jerrold Wagener
There are 7 major objectives.

1. Produce the Fortran 95 Draft International Standard (DIS). WG5 the previous week (November 6-10, 1995) sent Fortran 95 out with a few holes for us to fill. Each subgroup will get an assignment. There will be no formal votes on the Fortran 95 DIS unless members ask for some.
2. Produce response letters to the public review comments and vote on the final language. Each letter needs to pass by a 2/3 vote.
3. Assist John Reid, the Project Editor, in completing the Technical Report (TR) on Floating Point Exception Handling. John Reid would like X3J3 to be closely involved with the development work. WG5 changed the rules for developing a TR. [Reference: 95-273, p. 2]
4. Review the initial list of Fortran 2000 requirements and present them with a report and analysis.
5. Produce 6 liaison / response reports on:
   - Floating Point Exception Handling
   - Interoperability with C
   - Allocatable Components, Allocatable Dummy Arguments, and Allocatable Function Results
   - Parameterized Derived Types
   - Conditional Compilation
   - Fortran 2000 Requirements
6. Decide whether we accept the invitations from WG5 on two subjects:
   - Do we want to be the maintenance body for Fortran 95?
   - Do we want to be the primary development body for Fortran 2000?
7. Develop responses to the WG5 resolutions.

1.3 Adoption of the Agenda

Discussion Leader: Jerrold Wagener
Presented as mailed with changes proposed by Jerrold Wagener (see Appendix A).

Motion: Adopt the agenda with the changes as proposed by Jerrold Wagener.
Moved: Craig Dedo Second: Stan Whitlock
Action: Passed by unanimous consent.

1.4 Approval of the Meeting 134 Minutes
Discussion Leader: Jerrold Wagener
Reference: 95-249, Meeting 134 Minutes

Extensive discussion on the content and format of the minutes. Following are the major points covered in the discussion. Specific amendments to the content are not included.

- We need to be aware of and responsive to political sensitivities. Including a lot of detail and background information may aggravate political sensitivities.
- In many organizations, people often get punished for saying anything that their superiors do not like. This is why many bureaucrats will say little or nothing of substance on the record; they fear that whatever they may say will come back later to haunt them.
- It is important to reflect the essence of the technical argument. However, we need to work in an informal, cooperative spirit. Recording a lot of detail may intimidate people.
- We generally have a scribe for long discussions. The Secretary should not try to be a discussion scribe.
- There were a number of errors.
- Accuracy is far more important than including background information.
- Local arrangements should not be in the minutes.
- The post-meeting distribution did not arrive until two months after the meetings.
- Normally, the minutes includes a list of all of the papers. This is required by the SD-2.
- Is there a scorecard for what happened to the papers?
- Some members would like pure ASCII text, rather than PostScript or word processing documents.
- It is possible to put the minutes on the X3J3 server.

Members presented numerous amendments. All were approved by unanimous consent.

Motion: Approve the minutes as amended.
Moved: Janice Shepherd — Second: Stan Whitlock
Action: Passed by unanimous consent.

Action Item: Craig Dedo should prepare a revised copy of the minutes incorporating all of the amendments and issue a paper 95-249r1.

1.5 Meeting 134 Action Items
Discussion Leader: Craig Dedo

1. Kurt Hirchert — Check out whether the auto-unzip feature on the X3J3 server works yet.
   He checked but it is still not working. Kurt will keep encouraging the staff of the server to make it work.
   Status: Continuing.

2. Craig Dedo — Send a copy of X3J3 and US TAG minutes to Jerrold Wagener for his review prior to sending them to the X3J3 Mailing List or to Kurt Hirchert for inclusion in the post-meeting mailing.
   Jerrold Wagener was unavailable when the minutes were prepared so Craig Dedo sent them to Larry Rolison.
   Status: Closed.

3. Larry Rolison — Did the interpretations at the Tokyo WG5 meeting pass the WG5 ballot?
   No. However, WG5 approved them at the recently concluded meeting.
   Status: Closed.

4. Craig Dedo — Check with Ivor Philips to see whether he still has the list of publications that he sent information and press releases to.
   Ivor Philips does not have any part of the list, either paper or electronic.
   Status: Closed.

Action Item: Jeanne Martin will check to see if she has a copy of the list in her office.

Action Item: Craig Dedo should prepare a copy of the August 1995 US TAG meeting minutes as soon as possible after this meeting concludes.

1.6 Treasurer's Report
Discussion Leader: Mallory North
Reference: 95-248, Treasurer's Report for Meeting 135
All bills are paid. There is no meeting fee for this meeting. The regular meeting fee of $100.00 will be reinstated starting with meeting 136.

1.7 Membership Report
Discussion Leader: Larry Rolison
Reference: 95-262, Record of X3J3 Letter Ballot Votes, 1/94 through 10/95

- Bruce Bush is replacing Bill Lassaline as the representative for Lahey Computer Systems.
- Jim Himer, Exxon, cannot make it to this meeting.
- Linda O'Gara of Microsoft has not resigned. If Microsoft does not send anyone to this meeting, its membership will lapse.
- In the next membership summary, Larry Rolison will delete identification of institutional members.
- What happens to memberships if people switch organizational affiliations? For example, Jerrold Wagener recently retired from Amoco. Will he have to attend a meeting as a non-voting applicant? Is there a way of immediately terminating an institution after the former employee separates from the employer but still serves on X3J3?
- Hewlett-Packard (HP) is buying out Convex. The acquisition will be finalized on December 20. Richard Bleikamp will still have a separate vote on the upcoming interpretations ballot. He will not officially represent or be an alternate for HP until the start of the next meeting.
- The membership rules apply to both meeting attendance and letter ballot voting. A member will be dropped from membership if he or she meets either of the following criteria:

Meeting attendance	Miss 3 out of the last 4 meetings
Letter ballots	Miss 3 consecutive letter ballots

These criteria do not apply to TAG votes.

Current Membership:	22
Quorum:	8
One over half:	12

Members in Danger of Losing Membership:

James Himer	(Exxon)	
David Levine	(Hewlett-Packard)	
Linda O'Gara	(Microsoft)	
Brian Smith	(University of New Mexico)	He may name Jeanne Martin as his alternate.

Non-voting Alternates:

Jeanne Adams	(National Center for Atmospheric Research)
Tom Lahey	(Lahey Computer Systems)
Henry Zongaro	(IBM)

Visitors:

John Reid	(Rutherford Appleton Laboratory)

1.8 X3/OMC Report
Discussion Leader: Jerrold Wagener
Reference: 95-266, X3 Subgroup Annual Report

Jerrold Wagener appeared at the meeting on December 13 and gave the annual report.

The call for the International Representative closes this week. Right now, we have one applicant. If there is more than one applicant, X3 will conduct a ballot among the X3J3 membership.

Recess.

1.9 Location of Meeting 136
Meeting 136 is currently scheduled to be held February 12-16, 1996. Walt Brainerd has offered to host the meeting in or around Albuquerque, NM.

Straw Vote: Where should we hold meeting 136?
- 9 Albuquerque
- 5 Santa Fe
- 2 Angel Fire Ski Resort
- 0 Undecided

Straw Vote: Where in Albuquerque should we have the meeting?
- 4 Downtown
- 5 Suburban
- 6 Undecided

1.10 ISO/WG5 Report
Discussion Leader: Jerrold Wagener
Reference: 95-273, Draft Revision of ISO/IEC JTC1/SC22/WG5 - N1046, Strategic Plan for Fortran Standardization
95-274, WG5 Procedures for the Future Development of Urgent New Features in Fortran by Means of Type 2 Technical Reports
95-275, Resolutions of the WG5 Meeting on 6 to 10 November 1995 in San Diego, CA

Here is a summary of the major decisions of the WG5 meeting recently concluded.
- There is a revised strategic plan for Fortran 2000. This includes the revisions to the TR process that X3J3 requested.
- WG5 issued a Fortran 95 Draft International Standard.
- WG5 is asking X3J3 to be the primary development body for Fortran 95.
- WG5 developed a preliminary list of requirements for the Fortran 2000 revision. This will need to be refined later.
- The TR on Interoperability with C is moving ahead. Michael Hennecke was just appointed to be the project editor.
- The TR effort on Data Type Enhancements has been split. The part on Parameterized Derived Types (PDT) was removed from it into a separate collateral development effort. Dr. J. Steve Morgan will lead the development work on PDT. WG5 may make PDT a fourth TR at its meeting in July 1996.
- There is interest in developing a facility to support interval arithmetic. WG5 is asking persons to bring proposals for technical development work to the next WG5 meeting.

1.11 Local Arrangements
Discussion Leader: Ted Terpstra

1.12 Subgroup Assignments
Discussion Leader: Jerrold Wagener
Reference: 95-276, Assignments for X3J3 Meeting 135

1.13 Comments from Members
There were no comments from members.

Recess for subgroups at 11:25 a.m.

2 Tuesday, November 14, 1995

Call to order at 8:30 a.m.

2.1 Subgroup Reports and Processing

Edit
Discussion Leader: Richard Maine
Reference: 95-278, Responses to Fortran 95 CD Ballot

The Edit Subgroup has reviewed the F95 DIS through Chapter 5. So far, 17 editorial items have been fixed. There are three places which may prove difficult:

- 37:39+ This is waiting for X3J3 action on the definition of a direct component.
- 62:17 BOZ constants. Are there consistency and redundancy problems?
- 55:12+ Here we made technical changes that are incompatible with Fortran 90 but are compatible with all existing implementations. We removed the restriction that objects with the POINTER attribute cannot be implicitly typed.

Interpretations
Discussion Leader: Janice Shepherd
Reference: 95-261, 95-006 Status
95-263, F95 CD Edits Delegated to X3J3

The Interpretations Subgroup has started looking through the interpretations that passed recently to see that they are incorporated into the F95 CD. Then, Interpretations will start looking through corrigendum 3 in order to make sure that all of the items in it are included.

Parallel
Discussion Leader: Dick Hendrickson

The Parallel Subgroup met with Janice Shepherd and talked about the IBM comments. It would like some time in plenary so that John Reid could present his tutorial on the Exception Handling TR and take some straw votes.

JOR
Discussion Leader: Kurt Hirchert
Reference: 95-253, Response to IBM Comment on Fortran 95
95-264, Fortran 2000 Requirements
95-265, Fortran 2000 Requirements Processing at X3J3 Meeting 135

JOR is working to refine the draft response letters. It will draft a shorter version of the IBM response letter. Later, JOR will tackle the items in the preliminary list of requirements. In the initial review, the members of JOR will attempt to evaluate each feature in three areas:

- The cost of standardizing the feature
- The cost of implementing the feature
- The benefit of the feature to users of Fortran

2.2 Tutorial on Floating Point Exception Handling

Discussion Leader: John Reid
Reference: 95-277, Floating Point Exceptions

The subgroup discussion proposed several changes. Following is a brief summary of the subgroup's thinking.

1. There should be two modules.
   USE IEEE_SUBSET !Provides minimal support, runs fast.
   USE IEEE_ARITHMETIC ! As proposed in the original version of 95-277.

2. Should some capabilities be functions or subroutines?
   The proposed functions, IEEE_GET_FSR and IEEE_GET_ROUNDING_MODE, are not pure; they will become subroutines. IEEE_GET_FLAG is also not pure but is awkward as a subroutine.

Straw Vote: IEEE_GET_FLAG - Are you very uncomfortable if it is a subroutine?
5 Yes 11 No 2 Undecided

Straw Vote: IEEE_GET_FLAG - Are you very uncomfortable if it is a function?
5 Yes 8 No 3 Undecided

Straw vote: Which is the preferred form for IEEE_GET_FLAG?
10 Subroutine 7 Function 2 Undecided

3. All of the IEEE_SUPPORT functions need an argument X, to see if the inquired about functionality is available for the same kind as X. Is there a way to inquire about support for all KINDs with one function call?

4. The proposal will make more use of arrays of the exception flags as arguments.

5. More specific functions will be merged to become functions that are generic over the defined exception flags.

6. What kind of IEEE floating point support would the IEEE_SELECT_REAL_KIND return?

7. Should there be special syntax for intrinsic modules? For example,
USE, INTRINSIC :: IEEE_ARITHMETIC

Straw Vote: Do you like this idea or something like it?
10 Yes 3 No 5 Undecided

8. We would add a rule that these procedures cannot be used as actual arguments in procedure calls.

2.3 Letter Ballot Voting Record Discussion
Discussion Leader: Larry Rolison
Reference: 95-262, Record of X3J3 Letter Ballot Votes, 1/94 Through 10/95

Some members are in danger of losing their membership due to frequent missed letter ballots. According to ANSI rules, any member who misses 3 out of the last 4 letter ballots loses their membership due to inactivity. Members should carefully review the paper to see if they are in danger.

Recess for subgroups at 10:15 a.m.

3 Wednesday, November 15, 1995
Call to order at 8:30 a.m.

3.1 Subgroup Reports and Processing
JOR
Reference: 95-257, Conditional Compilation: the FCC Approach
95-264, Fortran 2000 Requirements
95-265, Fortran 2000 Requirements Processing at X3J3 Meeting 135

Conditional Compilation (CoCo)
Discussion Leader: David Epstein
Reference: 95-279, Specifications and Requirements for CoCo
95-280, Recognizing the Fortran INCLUDE for CoCo

There are two evolving definitions for a CoCo facility. Both need quite a lot of work.

1. Existing practice, generally assumed to be some derivative of cpp, the C language preprocessor.
2. A Fortran-like pre-processor.

What do we want to do about INCLUDE? Would modules be preferable to INCLUDE?

Straw Vote: Do we want to recognize the Fortran 95 INCLUDE facility in CoCo?
14 Yes 0 No 0 Undecided

Additional issues that members mentioned include:
- Is there any interaction between INCLUDE and USE?
- CoCo variables should behave just like regular Fortran variables. We should not introduce more irregularities.
- File dependencies are a bad idea. Although INCLUDE introduces some file dependencies, we should work hard to minimize additional dependencies. The meaning and execution of a Fortran program should not change solely due to what file or files the source code is compiled from.
- What is the scope control for meta-variables? If there are conflicting declarations when files are concatenated, we will have file scoping.
- Are we going to have meta-variable assignment statements beyond meta-variable declarations?

Parameterized Derived Types
Discussion Leader: Richard Maine
Reference: 95-288, X3J3 Liaison Report on Parameterized Derived Types

The biggest area of difficulty is with the inquiry functions.

Interoperability
Discussion Leader: Henry Zongaro
Reference: 95-293, X3J3 Liaison Report on Interoperability
95-294, Draft Interoperability TR
95-295, HPF Calling C Interoperability Proposal, Version 1.2

There will be a meeting after dinner to discuss ideas on interoperability. Anyone who is interested is welcome to attend and should contact Henry Zongaro.

Other JOR Items
- There will be a paper later with all of the draft responses to the public review comments.
- There will be at least 3 related papers listing administrative side actions which X3J3 must accomplish in order to make the responses true.
- The JOR Subgroup expects to get into the evaluation of the items on the B list for Fortran 2000 later in the day.

Action Item: Jerrold Wagener should contact Miles Ellis and verify that 95-265 item B1 is actually the top priority for Fortran 2000.

Interpretations
Discussion Leader: Janice Shepherd
Reference: 95-281, 95-006r4 Status Changes per WG5 Meeting
95-263, Fortran 95 CD Edits Delegated to X3J3

There is a new WG5 policy on interpretation processing. Any item which is approved by X3J3 and WG5 will appear in the Technical Corrigendum 3. Any item which was approved by WG5 but sent back to X3J3 will be subject to an X3J3 letter ballot. There is no longer any chance of answering any interpretation requiring edits. Such items will become Fortran 95 interpretations. However, interpretations which do not require edits can still be answered as part of the Fortran 90 maintenance effort.

Paper 95-289, Definition for Direct Component, will go back to subgroup.

Motion: Approve 95-287, Deferred Items 213:11-12, 18+, 27, 30
Moved: Janice Shepherd Second: Richard Bleikamp
Action: Passed on a counted vote by show of hands. Vote: Yes - 10 No - 2
Parliamentary Inquiry by Janice Shepherd: Does this motion require an ANSI-style 2/3 vote?
Answer by Jerrold Wagener: No, it does not.

There are two possible answers for Interpretation 155:
95-290, F95 Edits for Defect Item 000155
95-282, F95 Edits for Defect Item 000155, Alternative Response

Straw Vote: Which approach do you prefer?
8 Paper 95-282
1 Paper 95-290
9 Undecided

Motion: Approve 95-282, F95 Edits for Defect Item 000155, Alternative Response
Moved: Janice Shepherd Second: Richard Bleikamp
Action: Passed by unanimous consent.

Edit
Discussion Leader: Richard Maine

The Edit Subgroup has reviewed the Fortran 95 CD up to and including the Annex A edits. So far, there have been 41 editorial changes. Once the Edit Subgroup is finished with Annex C, it will put all of the editorial changes into a paper. With several items, the Edit Subgroup still has to wait for X3J3 action.

Floating Point Exception Handling
Discussion Leader: John Reid
Reference: 95-277r1, Floating Point Exception Handling - Draft for Second Part of TR

Straw Vote: Should we use a subroutine or function for IEEE_TEST_FLAG?
7 Subroutine 6 Function 3 Undecided

Straw Vote: Should the names of the procedures and values have IEEE_ in front?
10 IEEE_ in front of almost everything
6 IEEE_ in front gone almost always
0 Undecided

3.2 Liaison Reports
No reports or action at this time.

Recess for subgroups.

3.3 Review of Upcoming Papers
Each subgroup reported the list of papers that it will have ready for action on Thursday.

Recess at 4:50 p.m.

4 Thursday, November 16, 1995
Call to order at 8:30 a.m.

Jerrold Wagener announced that he had received an e-mail message from Walt Brainerd. Walt said that he would not be able to host the February 1996 meeting as originally planned since he will be going to an ACM symposium class that week.

4.1 Subgroup Reports and Processing

JOR
Discussion Leader: Kurt Hirchert

Motion: Approve 95-292, Default Real and Double Precision DO Variables in I/O
Moved: Kurt Hirchert Second: Jeanne Martin
Action: Passed, as amended, by unanimous consent.

Paper 95-298 will put three items in document 95-008.

Paper 95-299 is a Request for Information on the subroutine MVBITS. What does "same variable" mean?
Paper 95-297, Proposed Responses to the Public Comments, is for discussion only. There will be a revision.
There is a new field in the JOR Register.

Parallel
Discussion Leader: Dick Hendrickson

There are a number of papers coming out: 95-277r2, 95-307, 95-308, and 95-288.

Interpretations
Discussion Leader: Janice Shepherd

Motion: Approve 95-289r1, Definition for Direct Component
Moved: Janice Shepherd Second: Richard Bleikamp
Straw Vote: Should we strike "another" and "other" in the second edit?
9 Strike the words
3 Don't strike the words
2 Undecided
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-291, F95 CD Edit [WG5-S51, S28] Delegated to X3J3
Moved: Janice Shepherd Second: Richard Bleikamp
Action: Passed by unanimous consent.

Motion: Approve 95-301, Supplement to Edits in 95-287
Moved: Janice Shepherd Second: Richard Bleikamp
Action: Passed by unanimous consent.

Motion: Approve 95-302, BOZ Literal Constants and N1135 Comments
Moved: Janice Shepherd Second: Richard Maine
Action: Passed by unanimous consent.

Paper 95-303, Interp 145 Edits Translated to Fortran 95 Draft, needs further work.

Edit
Discussion Leader: Richard Maine

All of the edits up through chapter 7 have been entered.

4.2 Liaison Reports
Discussion Leader: Henry Zongaro
References: 95-288, X3J3 Liaison Report on Parameterized Derived Types
95-293, X3J3 Liaison Report on Interoperability
95-307, X3J3 Liaison Report on Floating Point Exception Handling TR
95-308, X3J3 Liaison Report on Allocatable Components TR

There are no more comments on 95-307 or 95-308.

An informal group met Wednesday night to discuss the TR on Interoperability with C. From the discussion, it is obvious that we do not even have a proper problem definition yet. There also is a problem with the scope and size of the project. Those who met made a very rough guess as to the amount of work required. They believe that a complete, high quality TR will require much more effort (i.e., labor hours) than is currently available.

There was discussion on paper 95-288. There will be revisions to the paper and it will come back later.

Recess.

Discussion Leader: David Epstein
Reference: 95-266, X3 Subgroup Annual Report
95-283, Draft X3J3 Responses to the WG5 San Diego Resolutions
95-296, X3J3 Liaison Report on Conditional Compilation (CoCo)

Do we really need this liaison report? It is important to record our decisions and make sure that they are copied to WG5 and other X3J3 members. We are not yet sure which of the two approaches to CoCo we will take. A revised paper will be available this evening.

There was some discussion on papers 95-283 and 95-266.

Action Item: Jerrold Wagener should go back to the SD-10 and check to see whether all of the information listed in Section III.c is required to be in the annual report.

Action Item: Walt Brainerd should contact William B. Clodius and get clarification of his intentions in paper 95-300, PFR on Flexible Accessibility.

Recess for subgroups.

4.3 Subgroup Reports and Processing

Jerrold Wagener reported that he got an answer from Miles on whether we are authorized to make minor technical changes to the Fortran 95 CD. The answer is yes.

Interpretations will have these papers ready for Friday: 95-304, 95-305, 95-306, 95-310, 95-311.

JOR will have these papers ready for Friday: 95-297r1, 95-312.

Parallel will have these papers ready for Friday: 95-283r1, 95-288r1, 95-296r1, 95-307, 95-308.

Paper 95-293 will also be ready for consideration on Friday.

Recess at 4:35 p.m.

5 Friday, November 17, 1995

Call to order at 8:30 a.m.

Jerrold Wagener announced that Walt Brainerd cannot host the February meeting until two weeks after the originally scheduled date.

5.1 Approve Comment Response Letters

Motion: Approve 95-297r1, Proposed Responses to the Public Comments
Moved: Kurt Hirchert — Second: Jeanne Martin
Action: Passed, as amended, by unanimous consent.

5.2 Subgroup Reports and Processing

Interpretations
Motion: Approve 95-304, Defect Item 179, DO variable with POINTER Attribute.
Moved: Janice Shepherd — Second: Richard Bleikamp
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-305, Defect Item 194, Statements Between SELECT CASE and CASE
Moved: Janice Shepherd — Second: Larry Rolison
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-306, Defect Item 100, ASSOCIATED Intrinsic and Zero-Sized Objects
Moved: Janice Shepherd — Second: Richard Bleikamp
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-310, Defect Item 185, What is the Allocation Status of an Array After an Allocation Failure?
Moved: Janice Shepherd — Second: Richard Bleikamp
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-311, Note on Elemental Actual Argument Restriction
Moved: Janice Shepherd — Second: Richard Maine
Action: Passed, as amended, by unanimous consent.

5.3 Approve WG5 Resolution Responses

Motion: Approve 95-283r1, X3J3 Responses to the WG5 San Diego Resolutions
Moved: Keith Bierman — Second: Kurt Hirchert
Action: Passed, as amended, by unanimous consent.

5.4 Approve Liaison Reports

Motion: Approve 95-307, X3J3 Liaison Report on Floating Point Exception Handling TR
Moved: Dick Hendrickson — Second: Keith Bierman
Action: Passed by unanimous consent.

Motion: Approve 95-308r1, X3J3 Liaison Report on Allocatable Components TR
Moved: Dick Hendrickson — Second: Keith Bierman
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-293, X3J3 Liaison Report on Interoperability
Moved: Henry Zongaro — Second: Craig Dedo
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-288r1, X3J3 Liaison Report on Parameterized Derived Types
Moved: Craig Dedo — Second: Janice Shepherd
Action: Passed, as amended, by unanimous consent.

Motion: Approve 95-296r1, Proposed Responses to the Public Comments
Moved: David Epstein — Second: Craig Dedo
Action: Passed, as amended, by unanimous consent.

Recess.

Discussion Leader: Jeanne Martin
Reference: 95-312, Liaison Report on Requirements for Fortran 2000

Straw Vote: Move Asynchronous I/O to the Executive Summary list.
6 Yes — 4 No — 2 Undecided

Straw Vote: Delete item D2, Compiler Directives, from the list.
7 Delete — 2 Keep — 4 Undecided

Straw Vote: Delete Category E.
6 Delete — 4 Keep — 4 Undecided

Straw Vote: Remove "Specifying Default Precision" from the Executive Summary
1 Remove — 6 Keep — 7 Undecided

Straw Vote: A major activity at the next meeting should be to specify or sharpen the requirments for OOF.
12 Yes 1 No 2 Undecided

Straw Vote: Add the following to Section C: Additional intrinsic data types such as Varying String, BIT, and UNSIGNED INTEGER.
7 Yes 3 No 3 Undecided

Jeanne Martin will prepare a version 95-312r1 and put it in the post-meeting.

5.5 Future Meetings

See also Appendix C.

Walt Brainerd cannot host the February meeting unless we postpone it for 2 weeks. Should we hold all meetings next year in Las Vegas, NV? This is close enough to NASA Dryden so that Richard Maine can drive and provide computer support. We would need someone to make the arrangements. If we did this, we would need to book the hotel at least 3 weeks in advance.

The next WG5 meeting is the last week of July in Dresden, Germany. Do we want the August meeting to be in Boston, which is on the way back from Germany?

Straw Vote: Do we want the 1996 meetings to be in one city or move the meetings around the country, like we have been doing?
8 One city 2 Move meetings around the country 4 Undecided

Straw Vote: Do we want to have our 1996 meetings in Las Vegas or some other place?
8 Las Vegas 0 Some other place 5 Undecided

Straw Vote: Would holding the February meeting the week of February 26 be OK as a backup date?
8 Yes 0 No 5 Undecided

Larry Rolison took the chair.

5.6 Review of Meeting 135 Action Items

Discussion Leader: Craig Dedo

1. Kurt Hirchert — Motivate the system operators at the NCSA to get the auto-unzip feature on the X3J3 server to work.
   Status: Continuing

2. Craig Dedo — Prepare a revised copy of the Meeting 134 minutes and send out to the members.
   Status: New

3. Craig Dedo — Prepare printed copy of the US TAG minutes as soon as possible.
   Status: New

4. Jeanne Martin — Check to see if she has a copy of the list of publications that Ivor Philips used to send press releases to.
   Status: New

5. Jerrold Wagener — Contact Miles Ellis and verify that item B1 in paper 95-265 really is the top priority for Fortran 2000. Answer: Yes.
   Status: Closed

6. Jerrold Wagener — Check the SD-10 to see whether all of the information listed in Section III.c. of the X3J3 Annual Report to X3 is actually required.
   Status: New

7.	Walt Brainerd	Communicate with William Clodius and clarify his intent in paper 95-300. Status: New
8.	Craig Dedo	Send a copy of the X3J3 Meeting 135 Minutes to those persons who want to review them before sending them to the X3J3 Mailing List or including them in the post-meeting mailing. Status: New

5.7 Membership Report
Discussion Leader: Larry Rolison

Memberships Lost:
- James Himer (Exxon)
- Jose Oglesby (Microsoft)

Members in Danger of Losing Membership:
- David Levine (Hewlett-Packard)
- Brian Smith (University of New Mexico)

Current Membership: 20
One Over Half: 11
Quorum: 7

5.8 Treasurer's Report
Discussion Leader: Mallory North
Reference: 95-248, Meeting 134 Treasurer's Report
95-313r1, Meeting 135 Treasurer's Report

5.10 Meeting 136 Agenda
Discussion Leader: Larry Rolison

The Vice Chair solicited ideas for the agenda for the next meeting. Following are ideas that were mentioned.
- Select new JOR items to send to WG5.
- Look at the way we organize ourselves and divide up work assignments.
- Discuss and possibly finish the development work on Conditional Compilation (CoCo). We should have a thorough discussion of CoCo on Monday.
- Strategic planning for Fortran 2000 and setting of priorities on various items.
- Status reports from the various liaison groups.
- Forward the DIS to the ISO for review and written ballot.

5.11 Comments from Members

There were no comments from members.

The meeting adjourned at 11:55 a.m.

Appendix A
Agenda for X3J3 Meeting 135
(as Originally Proposed)

Monday, November 13, 1995

8:30	Opening Business	J. Wagener
	Meeting objectives and Chair's report	J. Wagener
	Membership Report / Introductions	L. Rolison
	Adopting Agenda	J. Wagener
	Approving Meeting 134 Minutes	C. Dedo
	Review Meeting 134 Action Items	C. Dedo
	Treasurer's Report	M. North
	X3/OMC report	J. Wagener
	ISO/WG5 report	K. Hirchert
	Comments from members	
	Local Arrangements	T. Terpstra
	Subgroup Head reports / goals for meeting	Subgroup heads
	Organizing subgroups to handle public comments	J. Wagener
12:00	Lunch	
1:30	Subgroup meetings	

Tuesday, November 14, 1995

8:30	Subgroup reports and processing	Subgroup heads
10:00	Miscellaneous Items (time permitting)	
12:00	Lunch	
1:30	Subgroup Meetings	

Wednesday, November 15, 1995

8:30	Interpretations subgroup report and processing	J. Shepherd
	Subgroup Meetings	
12:00	Lunch	
1:30	Subgroup Meetings	

Thursday, November 16, 1995

8:30	Subgroup reports and processing	Subgroup heads
	Subgroup Meetings	
12:00	Lunch	
1:30	Subgroup Meetings	
4:00	U.S. TAG	

Friday, November 17, 1995

8:30	Subgroup reports and processing	Subgroup heads
12:00	Lunch	
1:30	Subgroup Reports and Processing	Subgroup heads
3:30	Closing Business	J. Wagener
	Membership Report	L. Rolison
	Future Meetings	L. Rolison
	Treasurer's Report	M. North
	Next Meeting Agenda	L. Rolison
	Review of Action Items	C. Dedo
	Comments from Members	
5:00	Adjournment	

Agenda for X3J3 Meeting 135
(as Adopted)

9. Monday, November 13, 1995

1.1	Opening Business	J. Wagener
1.2	Meeting Objectives and Chair's report	J. Wagener
1.3	Adopting Agenda	J. Wagener
1.4	Approving Meeting 134 Minutes	C. Dedo
1.5	Review Meeting 134 Action Items	C. Dedo
1.6	Treasurer's Report	M. North
1.7	Beginning Membership Report / Introductions	L. Rolison
1.8	X3/OMC report	J. Wagener
1.9	Location of Meeting 136	W. Brainerd
1.10	ISO/WG5 report	K. Hirchert
1.11	Local Arrangements	T. Terpstra
1.12	Subgroup Assignments	J. Wagener
1.13	Comments from members	
	Lunch (12:00)	
	Subgroup meetings (1:30)	

10. Tuesday, November 14, 1995

2.1	Subgroup reports and processing	Subgroup heads
2.2	Tutorial on floating point exception handling	J. Reid
2.3	Letter ballot voting record discussion (95-262)	L. Rolison
	Lunch (12:00)	
	Subgroup meetings (1:30)	

11. Wednesday, November 15, 1995

3.1	Subgroup reports and processing	Subgroup heads
3.2	Liaison reports	Liaisons
	Subgroup meetings	
	Lunch (12:00)	
	Subgroup Meetings (1:30)	
3.3	Subgroup reports (review of upcoming items) (4:30)	Subgroup heads

12. Thursday, November 16, 1995

4.1	Subgroup reports and processing	Subgroup heads
4.2	Liaison reports	Liaisons
	Subgroup meetings	
	Lunch (12:00)	
	Subgroup Meetings	
4.3	Subgroup reports (review of upcoming items) (4:30)	Subgroup heads

13. Friday, November 17, 1995

5.1	Subgroup reports and processing	Subgroup heads
5.2	Approve comment response letters	
5.3	Subgroup reports and processing	Subgroup heads
5.4	Approve liaison reports	
5.5	Approve WG5 resolution responses	Subgroup heads
5.6	Future Meetings	L. Rolison
5.7	Review of Meeting 135 Action Items	C. Dedo
5.8	Membership Report	L. Rolison
5.9	Treasurer's Report	M. North
5.10	Next Meeting Agenda	L. Rolison
5.11	Comments from Members	
Adjournment		

Appendix B
X3J3 Register of Documents for 1995

Standing Documents

Paper Number	Title
X3J3/95-000	Register of Documents
X3J3/95-001	Membership List
X3J3/95-002	(Unused)
X3J3/95-003	X3J3 Member References
X3J3/95-004	Journal of Development
X3J3/95-005r1	X3J3 Resolutions and Responses to WG5 Resolutions
X3J3/95-006	Defect Report
X3J3/95-007	Draft Revision to Fortran 95
X3J3/95-008	Editorial Considerations for 9X Draft Revision
X3J3/95-009	Technical Proposals for Future Revisions
X3J3/95-010	(Unused)

1995 Papers

Paper Number	Submitter	Date	Title
X3J3/95-011	O'Gara		Meeting 131 Minutes
X3J3/95-012	North	950116	Meeting 131 Treasurer's Report
X3J3/95-013	Shepherd	941121	006 Post Meeting 131 Letter Ballot
X3J3/95-014	Shepherd	941121	Request for Interpretation of INQUIRE Statement (Interpretation 000195)
X3J3/95-015r1	Maine	941129	Revised Answer for Interpretation 000091
X3J3/95-016	Bleikamp	941208	Interpretation 000186, 1st Answer
X3J3/95-017r1	Bleikamp	941208	Interpretation 000186, Alternative Answer
X3J3/95-018	Bleikamp	941208	Interpretation 000195
X3J3/95-019	Bleikamp	941208	Interpretation 000193
X3J3/95-020	Maine	941209	Guidelines for F95 Edit References
X3J3/95-021	Maine	941209	Edits Incorporated in 94-007r4
X3J3/95-022	Maine	941209	Work Needed on 94-007r4
X3J3/95-023r2	Bleikamp	941209	Interpretation 000173
X3J3/95-024	Martin	941209	Proposed Reordering of Sec. 4.4.1
X3J3/95-025	Wagener	941212	X3 Response to X3J3/94-315
X3J3/95-026r1	Wagener	941212	Floating Point Subset of ENABLE
X3J3/95-027	Moss	941214	Subset ENABLE Proposal
X3J3/95-028	Moss	941216	Permit BOZ Constants in Transfer Function
X3J3/95-029r3	Levine	941216	Default Initialization
X3J3/95-030	Rolison	941216	Interpretation Request 000197
X3J3/95-031r1	Shepherd	941219	RFI 000196 on TARGET Dummy Arguments and Elemental Sequence Calls
X3J3/95-032	Phillimore	941217	Mildly Substantive Edits
X3J3/95-033	Rolison	941219	Revised Response to Interp 000140
X3J3/95-034r1	Shepherd	941219	006 Ballot Summary
X3J3/95-035r1	Shepherd	941219	Edits to Note 6.9 in 007r4
X3J3/95-036	Shepherd	941219	Minor Non-Technical Changes to X3J3/94-007r4
X3J3/95-037	Shepherd	941219	006 Ballot Comments for Ballot Ending 12/17/94
X3J3/95-038	Lauson	950104	Edits to X3J3/94-007r4
X3J3/95-039r1	Bleikamp	950104	Interpretation 000185
X3J3/95-040	Martin	950106	Review of 94-007
X3J3/95-041	Shepherd	950108	X3J3 Balloted Defect Items Effect on 94-007r4
X3J3/95-042	Shepherd	950108	RFI 000198 on Dummy Procedure Characteristics
X3J3/95-043	Shepherd	950109	Defect Item 000081
X3J3/95-044	Martin	950118	Results of the Informal Ballot on Responses to Defect Items in WG5-N1070
X3J3/95-045r1	Martin	950119	Pointer Initialization in DATA Statements
X3J3/95-046	Shepherd	950119	Rationale Text in 94/007r4
X3J3/95-047	Wagener	950123	Revision of the 94-007r4 Foreword
X3J3/95-048	Wagener	950123	Withdrawal of ANSI X3.9:1977 FORTRAN 77
X3J3/95-049	Kelble	950123	Record of X3J3 Letter Ballot Votes, 1/93 through 12/94
X3J3/95-050	Dedo	950123	Minutes of Meeting 132, Houston, Texas
X3J3/95-051r2	Warnock	950123	Edits from /Interp for Chapters 4,5,6
X3J3/95-052r1	Dedo	950123	Rationales for New Features in Fortran 95
X3J3/95-053	Wagener	950124	Transparencies supporting X3J3/95-026r1
X3J3/95-054r1	/Interp	950124	Interp. 192: Ambiguity of Dummy Procedures
X3J3/95-055r1	/Parallel	950124	Proposed Changes to Annex C Regarding Chapters 4 - 6
X3J3/95-056	Wagener	950124	X3J3 Responses to the Public Review Comments on FORTRAN 77 Withdrawal
X3J3/95-057r2	/Parallel	950124	Miscellaneous Edits to Chapters 4-6
X3J3/95-058r2	/Parallel	950124	Array Status after Allocation Failure

X3J3/95-059r2 /Parallel 950124 Subobjects of Constants in a DATA Statement
X3J3/95-060 /Interp 950125 Edits Against X3J3/95-007r4 for Ch. 9
X3J3/95-061r1 /JOR 950125 Edits for Chapters 11,12,14
X3J3/95-062 /Interp 950125 Non-Technical Changes to Chapter 2
X3J3/95-063r1 /Interp 950125 Technical Changes to Chapter 2
X3J3/95-064r2 /OOF 950125 Proposed Revision of FORALL Description
X3J3/95-065 /Parallel 950125 Restoration of Text Regarding Unsigned Literal Constant
X3J3/95-066r2 /Parallel 950125 Proposed Note Regarding Negative Zero
X3J3/95-067 /Interp 950125 Alternate Response to Defect Item 000198
X3J3/95-068r1 /Interp 950125 Miscellaneous Edits to Section 1, Plus Some Others
X3J3/95-069r1 /Interp 950125 Edits against 007r4 for Chapter 10
X3J3/95-070r1 /OOF 950125 Disposition of FORALL within WHERE
X3J3/95-071r1 /OOF 950125 Semantics for Mask on ELSEWHERE
X3J3/95-072r1 /OOF 950125 CMPLX Intrinsic and Optional Arguments
X3J3/95-073r1 Rolison 950125 Review of 95-007r4 Section 3
X3J3/95-074 /OOF 950125 Section 12.7 Constraint
X3J3/95-075r1 /Interp 950125 Miscellaneous Edits from Interps Passed at this Meeting (132)
X3J3/95-076r1 /Parallel 950126 Miscellaneous Edits for Chapters 4,5,6 from 94-007r4.5
X3J3/95-077r1 /Interp 950126 Further Edits to Sec. 1,2,3,9,10
X3J3/95-078r1 /OOF 950126 Non-technical Edits to Chapter 7
X3J3/95-079 /OOF 950126 Technical Edits to Chapter 7
X3J3/95-080r1 /OOF 950126 PURE and ELEMENTAL Constraints
X3J3/95-081r1 /JOR 950126 Miscellaneous Edits to Ch. 11,12,14
X3J3/95-082r1 Rolison 950126 Glossary Review
X3J3/95-083 /Edit 950126 Namelist
X3J3/95-084 /Edit 950126 Implementation of 94-008r5 Item 64
X3J3/95-085 /Interp 950126 How to Update F90 for Defect Item 184
X3J3/95-086 /Interp 950126 Non-Technical Changes to Defect Item 161
X3J3/95-087r1 /OOF 950126 Technical Changes to (7.5.3) "Masked Array Assignment - WHERE"
X3J3/95-088r1 /OOF 950126 Chapter 13 Edits
X3J3/95-089 /OOF 950126 Additional Chapter 13 Edits; also Ch. 7
X3J3/95-090 /OOF 950126 PURE and ELEMENTAL Edits (Ch. 12)
X3J3/95-091 /OOF 950126 Suggested Reorg. of Chapter 13 Sec.
X3J3/95-092 /Interp 950127 Revised Response to Interp 140
X3J3/95-093 /OOF 950127 Miscellaneous Edits to Chapter 8
X3J3/95-094 /Interp 950130 Summary of Approved Edits for Sections 1, 2, 9, 10
X3J3/95-095 Adams 950201 Book Introducing Fortran 90 in China
X3J3/95-096 Bleikamp 950201 X3J3 Letter Ballot for 006 Items
X3J3/95-097 Shepherd 950217 RFI 000193 - Pointer Actual Arg's. with the OPTIONAL Attibute
X3J3/95-098 Wagener 950228 Floating Point Subset of ENABLE
X3J3/95-099 Wagener 950228 Extrinsic C Interfaces
X3J3/95-100 Maine 950302 Edits Incorporated in X3J3/95-007r0
X3J3/95-101 Bleikamp 950306 Results of the Post Meeting 132 006 Letter Ballot
X3J3/95-102 Rolison 950306 Correcting the Response to Interp 125
X3J3/95-103 /Edit 950306 Work Needed on X3J3/95-007r0
X3J3/95-104 Brainerd 950222 Namelist and List-Directed I/O
X3J3/95-105 Dedo 950307 Rationales for New Features in Fortran 95
X3J3/95-106 /OOF (Dedo) 950307 PURE and ELEMENTAL Edits (Ch. 12)
X3J3/95-107 North 950317 Meeting 132 Treasurer's Report
X3J3/95-108 Billen 950317 Inclusion of Conditional Compilation in F90
X3J3/95-109 Wagener 950320 Letter to the X3 Secretariat
X3J3/95-110 Wagener 950320 F90 Compilers and the NIST FORTRAN 77 Validation Suite
X3J3/95-111 Levine 950330 CEILING and FLOOR need KIND
X3J3/95-112 Bierman 950412 A Fortran Preprocessor
X3J3/95-113 Levine 950413 Derived types, Default Initialization and COMMON
X3J3/95-114 O'Gara 950424 Interoperability
X3J3/95-115 Wagener 950424 Results of the TAG Ballot on 95-007
X3J3/95-116 Wagener 950424 Tokyo Papers
X3J3/95-117 Adams 950424 Beaver Run Resort
X3J3/95-118 Ellis 950424 The use of Type 2 Technical Reports to Accelerate Standardization
X3J3/95-119 Wagener 950424 Preamble for Object Initialization Fixes
X3J3/95-120 Wagener 950424 Pointer Initialization Fix
X3J3/95-121 Wagener 950424 Value Initialization Fix: Ch. 14 Only
X3J3/95-122 Wagener 950424 Default Initialization Semantics: Ch. 4
X3J3/95-123r2 Himer 950425 /Parallel Edits to PURE
X3J3/95-124 Himer 950425 /Parallel Responses to 95-103
X3J3/95-125 Rolison 950425 /Interp - Open Interpretation Summary
X3J3/95-126r1 Epstein 950425 /OOF Report on Assignments
X3J3/95-127 Epstein 950425 /OOF PURE and ELEMENTAL Keyword Implementation
X3J3/95-128r1 Whitlock 950425 /JOR - X3J3 Response to Tokyo WG5 Resolution 7
X3J3/95-129 Barber 950425 /Interp Edits from N1112, 5/N1105

X3J3/95-130r1 Barber 950425 /Interp Edits from N1112, 5/N1106
X3J3/95-131r1 Maine 950425 /Edit Responses to 95-103, Batch 1
X3J3/95-132r1 Terpstra 950425 /Parallel - Definition and Undefinition of FORALL Index-names
X3J3/95-133r1 Rolison 950425 /Interp - Update to Defect Item 125, edit in N1112
X3J3/95-134r2 Zongaro 950425 /Parallel - Misc. Edits, N1112, 1.7
X3J3/95-135 Zongaro 950425 /Parallel - WHERE nested in FORALL clarification
X3J3/95-136 Zongaro 950425 /Parallel - ENTRY and PURE
X3J3/95-137r1 Zongaro 950425 /Parallel - Fortran 90 and HPF com- patibility (MAXLOC, MINLOC, et al.)
X3J3/95-138r2 Bierman 950426 /Parallel - Chap. 13 Special Bracket Rule
X3J3/95-139 Rolison 950426 /Interp - Revised Response to Defect Item 127
X3J3/95-140 Hirchert 950426 /Edit - Responses to 95-103, Batch 2
X3J3/95-141 Barber 950426 /Interp - Revised Response to Defect Item 158
X3J3/95-142r1 Barber 950426 /Interp - Revised Response to Defect Item 148
X3J3/95-143 Barber 950426 /Interp - Edit from 95-103 (52)
X3J3/95-144 Barber 950426 /Interp - Revised Response to Defect Item 173
X3J3/95-145r2 Wagener 950426 Public Review of the Fortran 95 Draft Standard
X3J3/95-146r2 Himer 950426 /Parallel Edits to Sec 12.7.3 Elemental Subroutine Arguments
X3J3/95-147 Rolison 950426 /Interp - Disposition of Defect Item 0000e
X3J3/95-148r1 Hirchert 950426 /Edit - Additional Action in Response to 95-103, Item 51
X3J3/95-149r1 Epstein 950426 /OOF - Edits Resulting from 95-103
X3J3/95-150r1 Maine 950426 /Edit - Responses to N1099
X3J3/95-151 O'Gara 950427 Meeting 133 Minutes
X3J3/95-152r1 Maine 950427 /Edit Responses to 95-103, Batch 3
X3J3/95-153r1 Whitlock 950427 /JOR Maintenance of the JOR (95-004)
X3J3/95-154 Barber 950427 /Interp Response to 95-103, Item 41
X3J3/95-155 Barber 950427 /Interp Revised Response to Defect Item 176
X3J3/95-156 Barber 950427 /Interp Response to N1112, 1.4 (Namelist, 95-104)
X3J3/95-157 North 950427 Meeting 133 Treasurer's Report
X3J3/95-158 Barber 950427 /Interp Bleikamp Comment from N1106
X3J3/95-159r1 Bierman 950427 /Parallel Miscellaneous Edits II
X3J3/95-160 Barber 950427 /Interp Revised Response to Defect Item 186
X3J3/95-161 Rolison 950427 /Interp Fortran 95 Edit from N1112, 1.2
X3J3/95-162 Rolison 950427 /Interp Revised Response to Defect Item 101
X3J3/95-163 Barber 950427 /Interp Revised Response to Defect Item 179
X3J3/95-164r1 Epstein 950427 /OOF Edits for X3J3/95-119 to X3J3/95-122 and X3J3/95-103, Item 44
X3J3/95-165 Epstein 950427 /OOF Edits Resulting from 95-103, (Completion of Items 2 and 47)
X3J3/95-166 Epstein 950427 /OOF Possible OO Direction
X3J3/95-167 Epstein 950427 /OOF CCF is not a Preprocessor
X3J3/95-168 O'Gara 950427 /JOR Preliminary Recommendation for Objectives and Approach for Fortran 2000
X3J3/95-169r1 Martin 950428 /00F Edit for X3J3/95-113
X3J3/95-170 Bierman 950428 Communication from Dick Hendrickson
X3J3/95-171 Dedo 950428 Constraint on DO-variable Index as a Pointer
X3J3/95-172 Martin 950428 /00F Replacement of First Two Edits of X3J3/95-164r1
X3J3/95-173 Dedo 950518 Scribe Notes - Possible Object-Oriented Direction
X3J3/95-174 Shepherd 950613 95-006 Post-Meeting 133 Letter Ballot
X3J3/95-175 Rolison 950622 Interpretation Request SELECTED_REAL_KIND (Defect Item 201)
X3J3/95-176 Shepherd 950629 Defect Item 0000e and Paper 95-147
X3J3/95-177 Shepherd 950711 Defect Item 125 - Arguments with the TARGET attribute
X3J3/95-178 Epstein 950711 CCF Proposed Technical Report Type 2
X3J3/95-179 Levine 950714 Comments on the CCF Proposal
X3J3/95-180 Shepherd 950716 Clarification of Defect Item 155
X3J3/95-181 Shepherd 950717 RFI on Kind Type Parameters and DELIM=
X3J3/95-182 Shepherd 950717 RFI on Evaluation of NINT
X3J3/95-183 Shepherd 950717 Results of the Post Meeting 133 95-006 Letter Ballot
X3J3/95-184 Shepherd 950718 Status of 95-006
X3J3/95-185 Martin 950718 Uninitialized Variables a Requirement for F2000?
X3J3/95-186 Shepherd 950725 Proposed Answer for Defect Item 175
X3J3/95-187 Shepherd 950728 Revision of Defect Item 198
X3J3/95-188r1 /Parallel 950824 Responses to 95-205 (41, 46, and 48) and 95-203 (8, 9, 14, 3)
X3J3/95-189 Shepherd 950810 Proposed JOR Item on New Annex
X3J3/95-190 Hirchert 950817 Public Draft Comments
X3J3/95-191 Martin 950817 Review of Fortran 95/Requirements for Future Fortran Standards
X3J3/95-192 Reid 950818 Enable Technical Report
X3J3/95-193 HPFF 950818 Comments on Proposed Fortran Standard, F95
X3J3/95-194 Zosel 950818 HPFF Detail Comments on Proposed Fortran Standard
X3J3/95-195r2 Smith 950823 Comments on Fortran 95
X3J3/95-196 Shepherd 950821 Revision of Defect Item 083
X3J3/95-197 /Edit 950821 Edits Incorporated in 95-007r1
X3J3/95-198 /Edit 950821 Work to do on 95-007r1
X3J3/95-199 Meltzer 950821 Interlanguage Calling Proposal
X3J3/95-200 Martin 950821 Interlanguage Communication on the NERSC CRAYs

X3J3/95-201 Epstein 950821 Comments on 95-007r1
X3J3/95-202 Epstein 950821 Conditional Compilation Presentation
X3J3/95-203 Zongaro 950821 Concerns about 95-007r1
X3J3/95-204 Whitlock 950821 Three Official US Fortran 95 Comments
X3J3/95-205 Whitlock 950821 IBM Official US Fortran 95 Comments
X3J3/95-206 /Interp 950821 Edits Based on Meissner's E-mail Public Review Comments
X3J3/95-207 Levine 950822 Ideas for Interoperability
X3J3/95-208 Bierman 950822 Standardize Module Processing (Proposed JOR Item)
X3J3/95-209 Bierman 950822 Intrinsic Floating Point Support
X3J3/95-210 /Edit 950822 Editorial Changes to 95-007r1 from Hank Lauson
X3J3/95-211 /Edit 950822 Normative Reference Changes to 95-007r1
X3J3/95-212r1 Hendrickson 950822 ENABLE Discussion
X3J3/95-213 /Interp 950822 Responses to Walt's Public Review Comments
X3J3/95-214r1 /JOR 950823 Preliminary Recommendations for Fortran 2000 Requirements
X3J3/95-215 /OOF 950822 IBM FORALL Comments (#53, #55, #59) - Proposed Technical Edits
X3J3/95-216r1 Hirchert 950822 Public Review Comment Edits #1
X3J3/95-217 Hirchert 950822 Public Review Comments Edits #2
X3J3/95-218r1 /Interp 950823 Analysis of Brian Smith's Public Review Comments
X3J3/95-219 Levine 950823 Interoperability Architecture
X3J3/95-220 Wagener 950823 (X3J3.1995-325) Official Comment on X3J3/95-007r1
X3J3/95-221 Levine 950823 (X3J3.1995-319) Re:Initialization and Static . . .
X3J3/95-222 Meissner 950823 (X3J3.1995-352) Public Draft Comments
X3J3/95-223r1 /Edit 950823 Editorial Changes from Brian Smith Comments, Part 1
X3J3/95-224 US TAG 950823 US TAG Recommendations for Fortran 2000 Requirements
X3J3/95-225r1 /Edit 950823 Responses to IBM Comment #1
X3J3/95-226r1 /Edit 950823 ENTRY vs. PURE and ELEMENTAL
X3J3/95-227r1 /Parallel 950823 Misc. Responses to Public Comments
X3J3/95-228r1 /Parallel 950823 Responses to 95-203
X3J3/95-229r1 /Edit 950823 Misc. Edits Proposed by BTS
X3J3/95-230r1 /Edit 950823 Misc. Editorial Changes
X3J3/95-231r1 /Interp 950823 More Replies to Comments from Brian Smith
X3J3/95-232 /Interp 950823 Brian Smith's Public Review Comments, Round 2 of ?
X3J3/95-233r2 /OOF 950823 Responses to IBM Comments, Part 1 (#1 thru #50)
X3J3/95-234r1 /OOF 950823 IBM Comments #51 to #75(OOF Response)
X3J3/95-235 Bierman 950823 Asynchronous I/O
X3J3/95-236 Bierman 950823 PRIVATE and SHARED Variables for TASK Parallelism
X3J3/95-237r1 Wagener 950823 Improving the TR Process in the Context of the Strategic Plan
X3J3/95-238r1 Hirchert 950824 USE Clarification
X3J3/95-239 Hirchert 950824 Alternative Response to Defect Item 155
X3J3/95-240r1 /OOF 950824 Response to IBM Comments #76 to #156
X3J3/95-241 Dedo,Warnock 950824 /JOR Item on Asynchronous I/O
X3J3/95-242 /Interp 950824 Response to IBM Comments 26,27,36,38
X3J3/95-243r1 /Interp 950824 Brian Smith's Public Review Comments, Rest of Round 2
X3J3/95-244 /Interp 950824 Revision of Defect Item 81
X3J3/95-245r1 /Edit 950824 More Items from Smith Comments
X3J3/95-246 Hirchert 950824 Revised Response to Defect Item 179
X3J3/95-247r1 Bierman 950824 RFI on Evaluation of Functions
X3J3/95-248 North 950830 Meeting 134 Treasurer's Report
X3J3/95-249r1 Dedo Meeting 134 Minutes
X3J3/95-250 Shepherd 950905 006 Post-Meeting 134 Letter Ballot
X3J3/95-251 Purnell 950908 Deficiencies in Fortran 90
X3J3/95-252 Shepherd 950921 RFI from Micheal Hennecke on Intrinsic Procedures
X3J3/95-253 Shepherd 951002 Response to IBM Comment on Fortran 95
X3J3/95-254 Shepherd 951004 RFI from Micheal Hennecke on Scope of Operators and Assignment
X3J3/95-255 Hendrickson 951005 Proposed Responses to HPFF Comments (193, 194)
X3J3/95-256 Shepherd 951009 Results of the Post Meeting 134 006 Letter Ballot
X3J3/95-257 Epstein 951026 Conditional Compilation: The Fcc Approach
X3J3/95-258 Wagener 951027 Draft Response to Marshall Comment Letter
X3J3/95-259 Wagener 951027 Draft Response to Helmers Comment Letter
X3J3/95-260 Dedo 951028 Evaluation of Intrinsic Procedures, Interpretation 202
X3J3/95-261 Shepherd 951030 95-006 Status
X3J3/95-262 Rolison 951103 Letter Ballot Voting Record
X3J3/95-263 Wagener 951113 F95 CD Edits Delegated to X3J3
X3J3/95-264 Wagener 951113 Fortran 2000 Requirements
X3J3/95-265 Wagener 951113 Fortran 2000 Requirements Processing at X3J3 Meeting 135
X3J3/95-266 Wagener 951113 X3 Subgroup Annual Report
X3J3/95-267 Wagener 951113 Fortran 95 Draft Comments
X3J3/95-268 Wagener 951113 Helmers Public Comment
X3J3/95-269 Wagener 951113 US National Activity Report
X3J3/95-270 Wagener 951113 X3J3 Responses to WG5 Tokyo Resolutions
X3J3/95-271 Wagener 951113 Asynch I/O Proposal

X3J3/95-272	Wagener	951113	ISO Data Type Enhancements in Fortran
X3J3/95-273	Wagener	951113	Strategic Plan for Fortran Standardization
X3J3/95-274	Wagener	951113	WG5 Procedures for the Future Development of Urgent New Features in Fortran by Means of Type 2 Technical Reports
X3J3/95-275	Wagener	951113	WG5 San Diego Resolutions (S45a)
X3J3/95-276	Wagener	951113	Assignments for X3J3 Meeting 135
X3J3/95-277r2	Reid	951113	Floating Point Exceptions
X3J3/95-278	Maine	951113	WG5 N1153 - Responses to Fortran 95 CD Ballot
X3J3/95-279	Epstein	951113	Specifications and Requirements for CoCo
X3J3/95-280	Epstein	951113	Recognizing the Fortran INCLUDE for CoCo
X3J3/95-281	Shepherd	951113	95-006r4 Status Changes per the WG5 Meeting
X3J3/95-282	/Interp	951113	F95 Edits for Defect Item 000155, Alternative Response
X3J3/95-283r1	Wagener	951113	X3J3 Responses to the WG5 San Diego Resolutions
X3J3/95-284	/Interp	951114	Edits to Fortran 95 for Defect Item 81
X3J3/95-285	/Interp	951114	Edits to Fortran 95 for Defect Item 125
X3J3/95-286r1	/Interp	951114	Some of the Edits for F95 from Pending Defect Items
X3J3/95-287	/Interp	951114	Deferred Items 213:11-12, 18+, 27, 30
X3J3/95-288r1	Wagener	951114	Liaison Report on Parameterized Derived Types
X3J3/95-289r2	/Interp	951114	Definition for Direct Component
X3J3/95-290	/Interp	951114	F95 Edits for Defect Item 000155
X3J3/95-291r1	/Interp	951114	F95 CD Edit [WG5-S51,S28] Delegated to X3J3
X3J3/95-292r1	/JOR	951115	Default Real and Double Precision DO Variables in I/O
X3J3/95-293r1	/Interop	951115	X3J3 Liaison Report on Interoperability
X3J3/95-294	Zongaro	951115	Draft Interoperability TR (S6)
X3J3/95-295	Zongaro	951115	HPF Calling C Interoperability Proposal
X3J3/95-296r2	Epstein	951115	X3J3 Liaison Report on Conditional Compilation
X3J3/95-297r2	/JOR	951115	Proposed Responses to the Public Comments
X3J3/95-298	/JOR	951115	Items for Inclusion in X3J3/95-008
X3J3/95-299	/JOR	951115	Request for Interpretation
X3J3/95-300	Clodius	951115	PFR on Flexible Accessibility
X3J3/95-301r1	/Interp	951115	Supplement to Edits in 92-287
X3J3/95-302	/Interp	951115	BOZ Literal Constants and N1135 Comments
X3J3/95-303r1	/Interp	951115	Interp 145 Edits Translated to Fortran 95 Draft
X3J3/95-304r1	/Interp	951115	Response to Defect Item 179
X3J3/95-305r1	/Interp	951115	New Answer for Defect Item 000194
X3J3/95-306r1	/Interp	951115	Replacement for Defect Item 000100
X3J3/95-307r1	/Parallel	951115	X3J3 Liaison Report on Floating Point Exception Handling TR
X3J3/95-308r1	/Parallel	951115	X3J3 Liaison Report on Allocatable Components TR
X3J3/95-309	Maine	951116	Proposed 95-007r2 Contents
X3J3/95-310r1	/Interp	951116	Revised Defect Item 185 (To Match F95 Edits)
X3J3/95-311r1	/Interp	951116	Note on Elemental Actual Argument Restriction
X3J3/95-312r1	/JOR	951116	Liaison Report on Requirements for Fortran 2000
X3J3/95-313	North	951117	Meeting 135 Treasurer's Report
X3J3/95-314	Dedo	951117	Meeting 135 Minutes
X3J3/95-315	Rolison	951127	Meeting 135 Agenda
X3J3/95-316	Shepherd	951126	006 Items with Status "WG5 Approved; Ready for X3J3"

Appendix C
Future Meetings and Distribution Assignments

Meeting conventions:
- 4 meetings per year
- attempt to schedule second full week of month
- attempt to schedule meetings back to back with WG5 meetings

At meeting 135, the committee considered meeting primarily in Las Vegas, NV for 3 out of the 4 meetings next year. However, no hotel arrangements had been made with any Las Vegas venue by the close of the meeting so the tentative hosts are still listed below for the 1996 meetings. If the February, May, and November meetings are held in Las Vegas, they tentatively will be held the same weeks as the meeting dates shown below. David Levine has not yet been contacted about hosting the July/August meeting, but since he has offered several times in the recent past to host a meeting, he is the current tentative host for that meeting, subject to his approval and ability/willingness to host. Also, if the May meeting takes place in Champaign-Urbana, Kurt has notified the committee that the date may need to be changed so as not to conflict with graduation at the university.

136 February 12-16, 1996 - Albuquerque, NM (Brainerd, tentative host)
  Pre-meeting distribution deadline:
  Pre-meeting distribution: Rolison, Cray Research
  Post-meeting distribution: Shepherd, IBM
137 May 13-17, 1996 - Champaign-Urbana, IL (Hirchert, tentative host)
  Pre-meeting distribution deadline:
  Pre-meeting distribution: Smith, UNM
  Post-meeting distribution: Terpstra, Princeton
138 August 12-16, 1996 -
  Pre-meeting distribution deadline:
  Pre-meeting distribution: Wagener, self
  Post-meeting distribution: Warnock, LANL

Barber: European Based
Excused: Brainerd, Dedo, Epstein, Hendrickson, Martin

List for Distribution Recipients:
  Agenda and meeting notice sent to:
    Principals
    Alternates
    Observers, consultants, liaisons
    WG5/ISO members
    Interested parties that specifically request to be sent the material either via surface mail or email
  REQUIREMENT: Distribution 4 Weeks prior to meeting (SD-2 4.3.3)

  Pre and post meeting distribution sent to:
    Principals
    FEW additional others:
    Alternates that wish to receive the material
    Active participants, such as former members, that specifically ask to receive the material
  REQUIREMENT: Distribution of Pre-Meeting 2 Weeks before meeting
    (documents for action - two week rule: SD-2 4.3.4:1)

  Minutes sent to (required by X3):
    Principals
    Alternates
    Observers, consultants, liaisons
  REQUIREMENT: Distribution 4 Weeks Following Meeting Adjournment (SD-2 4.2.5, 4.3.6)

Appendix D
Committee Organization

D.1 Officers

Chair	J. Wagener
Vice Chair	L. Rolison
International Rep	Open
Secretary	C. Dedo (acting)
Treasurer	M. North
Librarian	M. North
Editor	R. Maine
Maintenance	J. Shepherd
Vocabulary Rep.	K. Hirchert

D.2 Subgroups

X3J3/Interp: F90 defect management, responsible for document 006
R. Bleikamp, G. Barber, L. Rolison, J. Shepherd (head)

X3J3/JOR: Journal of Requirements for 1995, responsible for document 004
J. Adams, W. Brainerd, C. Dedo, S. Whitlock (head)

X3J3/Edit: prepare the draft standard, responsible for documents 007 and 008
K. Hirchert, R. Maine (head), M. North

X3J3/Parallel: parallel computing, responsible for coordinating with X3H5 and HPFF; Exception Handling Technical Report
K. Bierman, R. Hendrickson (head), T. Terpstra

X3J3/OOF: Object-Oriented Fortran - Data Enhancements Technical Report
D. Epstein, D. Levine (head), J. Martin

X3J3/Interop Interoperability with other languages - Interop Technical Report
H. Zongaro

The subgroups were temporarily rearranged at this meeting to consider public review comments, exception handling, interoperability, etc.

Appendix E
Membership Summary

Meeting #		22	23	24	25	26	27	28	29	30	31	32	33	34	35
Location		WA	CT	FL	IL	BE	NM	CA	NV	ED	MA	TX	HI	CO	CA
Date		08	11	02	05	07	11	02	05	08	11	01	04	08	11
		92	92	93	93	93	93	94	94	94	94	95	95	95	95
Name	Affiliation														
Barber, Graham	Edinburgh	R	R	A	A**	R**	R	A	R	R	V	A	V	A**	V
Bierman, Keith	Sun	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Bleikamp, Rich	CONVEX	V	V	V	V	A	V	A**	V	A**	V	V	A	V	V
Brainerd, Walt	Unicomp	V	V	A	A**	R**	V	R	V	R	A	V	R	V	V
Bush, Bruce	Lahey	R	R	R	R	R	R	R	R	A	R	A**	V	/a**	V
Dedo, Craig							P	V	V	A	V	V	V	V	V
Epstein, David												P	V	V	V
Hendrickson, Dick		V	V	V	V	V	V	V	V	V	A	V	A**	V	V
Himer, Jim	Esso Canada	A	V	A**	V	A**	V	A**	V	A**	V	A**	V	A**	Q
Hirchert, Kurt	Univ. Illinois	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Levine, David	HP	R	R	R	R	R	V	V	V	A	V	V	A	V	A**
Martin, Jeanne	Livermore	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Maine, Richard	NASA	V	V	A	V	V	A	V	V	A	V	V	V	V	V
North, Mallory	Rose-Hulman Inst	V	V	V	V	A	V	V	V	V	V	V	V	V	V
Oglesby, Jose	Microsoft	R	A	R	R	A	V	V	A	V	V	A	V	A**	A***
Rolison, Larry	Cray Research	R	R	R	V	V	V	V	V	R	V	V	V	V	V
Shepherd, Janice	IBM	R	R	R	R	R	R	V	V	V	V	V	R	V	V
Smith, Brian	UNM	R	R	A	R	A**	R	R	R	A	R	R	V	A	A**
Terpstra, Ted	Princeton	I	V	V	V	A	V	V	V	A	V	E	V	V	V
Wagener, Jerry	Amoco	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Warnock, Tony	LANL										P	V	A	V	V
Whitlock, Stan	DEC	A	V	V	V	A	V	V	V	A	V	V	V	V	V

V present and voting
R absent but represented
A absent and not represented
P present but not voting
E excused
Q resigned
** missed 2 of last 3 meetings
*** LOST membership

Total Membership at end of Meeting: 20
Total Members Attended or Represented: 18
Total Attendees: 22

Changes since Meeting 134

Lost Members:
Jose Oglesby (Microsoft)
James Himer (Exxon)

New Members:
(none)

Alternates Representing principals at meeting:
(none)

Nonvoting Alternates present:
Jeanne Adams (alternate to Walt Brainerd)
Tom Lahey (alternate to Bruce Bush)
Henry Zongaro (alternate to Janice Shepherd)

Visitors at Meeting:
John Reid

Prospective Members (Observer Meeting)
(None)

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