

RESOLUTIONS OF THE WG5 MEETING
5 TO 9 JULY 1993
BERCHTESGADEN, GERMANY

B1. Strategic Plan for Fortran Standardization

That WG5 adopts the updated Strategic Plan for Fortran Standardization specified in WG5-N926, which replaces WG5-N820a (WG5 Standing Document 4).

Passed by Unanimous Consent

B2. Content of Technical Corrigendum 1

That WG5 recommends item 13 of the Defect Index be included in the Technical Corrigendum 1 (WG5-N903), notwithstanding the result of the WG5 letter ballot.

Individual vote: 16 yes - 2 no - 15 abstain Country vote: 5 yes - 0 no - 3 abstain

B3. Technical Corrigendum 1

That WG5 establishes the following procedure for processing the Technical Corrigendum 1 (WG5-N903):

- the WG5 convenor is to forward the document, and annexes, to the SC22 secretariat for processing as a JTC1 Technical Corrigendum;
- to facilitate access by potential users, the document is to be made available via anonymous ftp from directory sc22wg5 on the NCSA file server (ftp.ncsa.uiuc.edu), and possibly other file servers.

Unanimous Consent

B4. Defect Report Index Availability

That WG5 establishes the following procedure for publicizing the Defect Report Index for Fortran (X3J3/93-006r):

- the changes made in creating Technical Corrigendum 1 from the Index are to be provided to the editor of the Index to be incorporated into the Index;
- the WG5 convenor is to forward the document so edited to the SC22 secretariat to be circulated for information;
- the document is to be made available on the NCSA file server, and possibly other file servers.

Unanimous Consent

B5. Appointment of Defect Editor

That WG5 requests that SC22 appoint the WG5 convenor as Defect Editor for Fortran (ISO/IEC 1539:1991).

Unanimous Consent

B6. Primary Development Body for Fortran

That WG5 expresses its pleasure that the US member body established an X3 I-project for further development of Fortran, in response to WG5 Victoria Resolution V9, and confirms that the primary development body for the 1995 revision of Fortran is X3J3.

Unanimous Consent

B7. Repository of Requirements for Fortran

That WG5 establishes a repository of suggested requirements as Standing Document 5. The repository consists of the contents of the draft repository (WG5-N904) with the addition of the requirements in WG5-N907 and WG5-N919. The Repository of Requirements will be made available on a file server.

To be entered in the repository, a suggested requirement must be submitted by a member body, or formal action of WG5, as a numbered WG5 document. Requirements should be submitted to the convenor, preferably electronically, in the form specified in WG5-N870. The status of an item in the repository can be changed only as the result of an action of WG5.

Unanimous Consent

B8. Priority of Maintenance and Development

That WG5, in view of the limited time available for development of the near-term revision of the Fortran standard, places higher priority on development work on the revision than on maintenance activities.

Individual vote: 28 - 2 - 2

Country vote: 7 - 0 - 1

B9. Content of the 1995 Revision

That WG5 confirms its intent, as stated in Victoria Resolution V9 and the Strategic Plan for Fortran Standardization, that the 1995 revision of Fortran will be a minor revision.

Accordingly, WG5 records its intent that the following items will be part of the final 1995 revision (consult WG5-SD5 for more detail on each item):

- A1. corrigenda and modest editorial improvements

- A2. FORALL statement
- A3. FORALL construct
- A4. PURE prefix on functions
- A5. add DIM parameter to MAXLOC and MINLOC intrinsic functions

Further, that WG5 records its desire that the following items will be in the requirements for the 1995 revision:

- B1. object initialization (WG5-N932)
- B2. remove conflicts with IEC 559 (IEEE 754, IEEE 854)
- B3. allocatable components in structures (WG5-N931)
- B4. Miscellaneous minimal and exact field width editing
 specification of further obsolescent features (WG5-N917)
 comments in namelist and list-directed input

Further, that WG5 recognizes that it does not have adequate information to decide on the inclusion of the following, and possibly other, items in the 1995 revision, and that WG5 therefore requests that, within the limits of its resources, X3J3 investigate the following items in order that as much information as possible will be available at the 1994 WG5 meeting so that a decision may be made at that time on the final requirements:

- C1. CPU-time intrinsic function
- C2. KIND parameters for derived types
- C3. allow some classes of user-defined functions in declarations
- C4. support IEC 559 conforming or similar hardware
- C5. exception handling
- C6. object oriented programming
- C7. derived type I/O

It is to be understood that each of the above lists the items are in order of decreasing priority. It is further understood that the results of the work of X3J3 on any of the above items may contribute to the final development of the 1995 revision. Finally, WG5 understands and expects that X3J3 may wish to delegate responsibility for some of these items.

Individual vote: 29 - 1 - 2

Country vote: 8 - 0 - 0

B10. Varying Length Character Strings in Fortran - Numbering of Standard

That WG5 confirms its intent that the proposed Varying Length Character Strings standard be ISO/IEC 1539-2.

Individual vote: 22- 7 - 3

Country vote: 6 - 1 - 1

B11. Varying Length Character Strings in Fortran - Processing of Draft Standard

That WG5 establishes the following procedure for processing the Varying Length Character Strings draft standard:

- ° the current version of the document (WG5-N905 as amended by WG5-N929) is to be edited and forwarded to the WG5 convenor by July 31, 1993;

- the WG5 convenor is to conduct a letter ballot within WG5 on the document;
- after satisfactory completion of this ballot the WG5 convenor is requested to forward the document to SC22 for DIS balloting.

Unanimous Consent

B12. Guidelines for Bindings to Fortran 90

That WG5 establishes the following procedure for progressing Guidelines for Bindings to Fortran 90 (WG5-N889):

- the remaining minor edits are to be made and the document forwarded to the WG5 convenor by July 31, 1993;
- the WG5 convenor is to inform SC22 at its meeting on September 20-24, 1993 of the document's completion and to forward it to the SC22 secretariat for distribution to SC22 language groups;
- to facilitate access by potential users, the document is to be made available on the NCSA file server, and possibly other file servers.

Unanimous Consent

B13. WG5 Management Committee

That WG5 re-appoints the management committee defined in the Strategic Plan for Fortran Standardization consisting of a representative from the Canadian, German, Japanese, UK and US member bodies and the primary development body.

Further WG5 directs that the management committee communicate by e-mail to evaluate progress on WG5 activities at least every three months and that the members of WG5 be informed of the outcome of such communication.

Unanimous Consent

B14. Liaison With SC22/WG20, Internationalization

That WG5 appoints Miles Ellis as its liaison to WG20.

Unanimous Consent

B15. Appreciation of Technical Contributions

That WG5 records its thanks to X3J3 for work on maintenance of the international Fortran standard, to Lawrie Schonfelder and the German member body for their development of the Varying Length String Module, to Andrew Tait for acting as Defect Editor for Fortran and to David Muxworthy as editor on behalf of the British member body for producing the Guidelines for Bindings to Fortran 90 document.

Unanimous Consent

B16. Vote of Thanks for Support

That WG5 thanks the following organizations for generously supporting the meeting: Siemens Nixdorf, h.o.-Computer, International Science Foundation, DFG and DIN.

Unanimous Consent

B17. Vote of Thanks

That WG5 wishes to express its appreciation to the Convenor (Jeanne Martin), the vice chair (Bert Buckley), the secretary (Rich Kelble), the librarian and super-factotum (Annette Calkin), the drafting committee, the host (Karl-Heinz Rothhäuser and the DIN Fortran Committee) and the staff of the Max-Peschel-Haus for their contributions to the success of the meeting.

Unanimous Consent