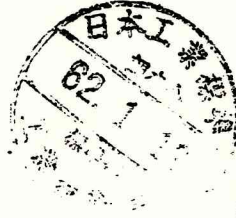




ISO/TC97/SC22
Languages
Secretariat: CANADA (SCC)



ISO/TC97/SC22

N276

December 1986

TITLE:Recommendations prepared during the First
ISO/TC97/SC22 Advisory Group meeting held in
Vienna, Austria, 1986-11-11/13

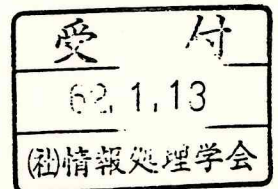
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ACTION:For information and action as appropriate by
SC22 Member Bodies

Address reply to: ISO/TC97/SC22 Secretariat
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RECOMMENDATION 1:

"Member Body Voting"

ISO/TC97/SC22 Advisory Group recommends to the Chairman of ISO/TC97/SC22 that its secretariat be instructed to apply ISO Directive 2.5.4 in the case where ISO/TC97/SC22 Member Bodies fail to vote punctually on questions submitted for voting within SC22.

RECOMMENDATION 2:

"Electronic Mail Facility"

ISO/TC97/SC22 Advisory Group recommends to the Chairman of ISO/TC97/SC22 that its secretariat be requested to investigate with SC22 Member Bodies and with ISO/TC97 the possibilities of using electronic mail facilities to improve communication between its Member Bodies.

RECOMMENDATION 3:

SC22 AG recommends that the Chairman thank the Formal Semantics Sub-Group of SC22/WG10 for their work, indicating that no further SC22 work is intended in this area at this time and indicating that the group is welcome to publish its work elsewhere, should they wish..

RECOMMENDATION 4:

"Formal Semantic Definition"

SC22 AG recommends that the Chairman strengthen our liaison relationship with IFIP/TC2 especially in the area of formal semantic definition of programming languages, and invite IFIP/TC2 to present a summary of their work at the next SC22 plenary.

RECOMMENDATION 5:

"Algol 60"

Having considered N242,

- Summary of Voting and comments received on a Letter Ballot concerning the future of ISO/TR1672-1977-Hardware Representation of Algol Basic Symbols in the ISO 7-Bit Character Set for Information Processing Interchange,

the SC22 AG recommends that the SC22 secretariat initiate the actions recommended in N242, that is:

1. Withdraw ISO TR 1672-1977
2. Inform ISO/TC97 that the work item 97.22.03 is considered by SC22 member bodies to be completed
3. Disband ISO/TC97/SC22/WG6 - Algol.

SC22 AG thanks Mr. Johan van Wingen, convenor of ISO/TC97/SC22/WG6 for his patient leadership and enthusiastic support over many years.

RECOMMENDATION 6:

"Long-Term Objectives"

The SC22 Advisory Group recommends that the chairman through the secretariat invite member bodies to submit contributions on long-term objectives for SC22.

RECOMMENDATION 7:

"Guidelines"

SC22 AG recommends that N248

- Guidelines for the Preparation of Programming Language Standards - Final Version

and N275

- ISO/TC97/SC22/WG12 Second Working Draft: Test Methods For Programming Languages Processors - Guidelines for their development and procedure for their approval

be circulated for letter ballot. The ballots shall indicate choices as to, support for Draft Proposal or support for Technical Report.

It is also recommended that any technical comments received from Member Bodies regarding N248 should be referred by the Secretariat to a Document Editor. The editor is to be instructed to work closely with the WG12 convenor.

RECOMMENDATION 8:

"Registry"

SC22 AG recommends that the Chairman of ISO/TC97/SC22 instruct its secretariat to write to member bodies, asking them to submit names of people experienced in the creation of ISO standards. It should be noted that these people may be invited, from time to time, to assist in the preparation of other ISO standards.

RECOMMENDATION 9:

"PL/I"

SC22 AG recommends that:

1. N224 be withdrawn
2. New letter ballots with the latest version of ANSI PL/I Subset Draft be sent to Member Bodies
3. The normal voting interval be used, and
4. That comments accompanying letter ballots be sent simultaneously to the SC22 secretariat and to the project editor, Dr. Klensin.

RECOMMENDATION 10:

"Prolog"

The ISO/TC97/SC22 AG recommends that a new work item, Prolog as documented in 97/22/N266 be circulated to SC22 for approval, and if subsequently approved by TC97, that the UK member body be invited to supply the convenor and secretarial support.

RECOMMENDATION 11:

"Lisp"

The ISO/TC97/SC22 AG recommends that a new work item, Lisp as documented in attachment C of 97/22 N266, be circulated to SC22 for approval. In the event that this work item is approved by TC97 and assigned to SC22, that AFNOR be invited to supply the convenor and secretarial support and that ANSI be invited to supply the project editor.

RECOMMENDATION 12:

"Extended APL"

The ISO/TC97/SC22 AG recommends that a new work item, Extended APL as documented in 97/22 N274, be circulated to SC22 for approval. In the event that this NWI is subsequently approved by TC97 and assigned to SC22, SC22 will assign it to SC22/WG3 for development.

RECOMMENDATION 13:

"Maintenance/Interpretation of ISO/TC97 Standards"

Concerning N237,

- Report of TC97 Advisory Group Special Working Group on Interpretation and Maintenance of ISO/TC97 Standards (Doc 97N 1721R),

the SC22 AG recommends that the Chairman take the following action:

1. Solicit input from SC22 Member Bodies and convenors on the interpretation and maintenance processes to serve both as input to TC97 and as a basis for a possible SC22 method of handling such items.
2. Ask TC97 to appoint SC22 as the maintenance agency for those standards which are within the SC22 Scope and Programme of Work.
3. Transmit to TC97 the SC22 AG's concern that
 - (a) any procedure be sufficiently flexible to accommodate the wide range of standards that must be covered by such a procedure.
 - (b) great care must be taken in the definition and use of terminology in this area. Terms such as COMMENTARY, INTERPRETATION, ADDENDA, etc., must be used with great precision.
 - (c) the maintenance process not by-pass normal standards making mechanisms.

RECOMMENDATION 14:

"POSIX"

SC22 AG recommends that:

1. The chairman communicate to TC97 that it is our opinion that SC22 would take on the NWI described in ISO/TC97/N1773, given the AG's understanding that the work item deals with the following three topics:
 - Operating System Characteristics and Functions,
 - Interfaces with those Functions, and
 - Binding with Programming Language C.
2. The US Member body provide a clarification of the NWI to SC22 prior to end of voting.
3. If the NWI POSIX is approved by TC97 and assigned to SC22, then the SC22 secretariat initiate action to establish a new WG with terms of reference to coordinate the content of an IS for POSIX and to invite ANSI to nominate a convenor and supply secretarial support, and further, for the administration of this work, circulate for SC22 letter ballot a resolution which:
 - (a) Requests ANSI to forward to the Secretariat for circulation within SC22 for comment and recommendation, working drafts of the International Standard, Portable Operating System for Computer Environments (POSIX).

- (b) Requests ANSI to make all appropriate efforts to see that the draft proposed standard reflects the consensus of SC22 comments.
- (c) Requests ANSI at the appropriate time to provide the SC22 Secretariat with the draft proposed standard for circulation to the member bodies of SC22 for letter ballot on the D.P.
- (d) Instructs the Working Group on POSIX to review and comment on the working drafts of the standard produced by ANSI; coordinate any contributions made by SC22 member bodies; and coordinate the comments received during the SC22 ballot period(s).

This approval is similar to that taken for Fortran COBOL and C.

RECOMMENDATION 15:

"Terms of Reference"

The SC22 AG recommends to the SC22 Secretariat that a revised version of N236 - Proposed Constitution and Terms of Reference for a SC22 Advisory Group be circulate to member bodies for approval as the Terms of Reference for the SC22 Advisory Group.

RECOMMENDATION 16:

"WG10"

The ISO/TC97/SC22 AG expresses its appreciation to the members of the former WG10 for their work. A special word of thanks is given to Brian Meek for his efforts and dedication in bringing the work items entrusted to the former WG10 to a successful and timely completion.

RECOMMENDATION 17:

"Prolog & Lisp"

SC22 AG expresses its appreciation to Robert F. Mathis for his leadership in preparing the report and recommendations for the ISO/TC97/SC22 Ad Hoc Group Prolog & Lisp.

RECOMMENDATION 18:

"Hospitality"

SC22 AG expresses its appreciation for the excellent and gracious support of this meeting by:

- the Technische Universitat Wien

and in particular for the time and services of

- Dipl.Ing. Dieter Schornbock
- Dipl.Ing. Gerhard Schmitt
- Dipl.Ing. Irene Hyna
Angela Horer

to the Austrian Standards Institute (ON) and to

- Mag. phil. Gerhard Budin

and to

- IBM
- Xerox
- Quelle
- Siemens
- Philips
- Sperry
- PTT

and to the City of Vienna,

- Burgermeister Dr. Helmut Zilk
- Gemeinderat Ing. Rolf Huber
- Obersenatsrat Dipl.Ing. Koloseus

RECOMMENDATION 19:

The SC22 AG recommends that the secretariat ask the SC2 liaison representatives to prepare a brief report describing the status and relationship between the various ISO/TC97/SC2 character set standards and draft standards.

RECOMMENDATION 20:

ISO/TC97/SC22 Advisory Group thanks Dr. L. Dickey for his leadership of the drafting committee and to all members of the drafting committee for their contributions.

- Dr. R. Mathis
- R. Scormen
- T. Holka
- J. Côté