N865

OCTOBER 1990

TITLE : Recommendations and Resolutions Adopted at the
4th SC22 AG meeting held in London UK, 1990-10-10/12

SOURCE : Secretariat JTC1/SC22

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ACTION : For review and action as necessary by
SC22 Member Bodies and SC22 WG Convenors.

ISO/IEC JTC1 SC22 Advisory Group, London, October 1990

RECOMMENDATIONS AND RESOLUTIONS

All unanimous (11-0-0, yes-no-abstain), unless otherwise stated.

Recommendation 1 - US Member Body - I-type projects

ISO/IEC JTC1 SC22 Advisory Group - warmly welcomes the recent approval within the US member body of a new international type (I-type) of project, whose aim is to produce an "ANSI/ISO" standard where the national and international standards are identical. This evidence of positive action to try to meet concerns expressed in the past is greatly appreciated.

Recommendation 2 - National body procedures

ISO/IEC JTC1 SC22 Advisory Group

- notes that some member bodies have developed mechanisms to achieve the (nearly) simultaneous adoption of identical national and international standards;

- recommends those member bodies to provide a description or other evidence of such a mechanism to the SC22 secretariat for distribution to member bodies.

Recommendation 3 - Progress of Work

ISO/IEC JTC1 SC22 Advisory Group recommends the SC22 secretariat to communicate with JTC1 about the following issues:

- deleting a Work Item from the program of work SC22 in accordance with JTC1 directives Clause 2.1.3.10 and 2.1.3.11 should not be done automatically but only following a recommendation of SC22;

- in general standards developed within SC22 are larger and more complex than most others, and the time limits given in JTC1 directives Clause 2.1.3.10 and 2.1.3.11 will therefore often be too short.

To allow member bodies and WG convenors of SC22 to recognize any problems arising from those directives, ISO IEC JTC1/SC22 Advisory Group further recommends the SC22 secretariat to provide regular information on the progress of Work Items.

<u>Recommendation 4</u> - Progress of Work

ISO/IEC JTC1/SC22 Advisory Group requests the SC22 working group
convenors to draw their members' attention to the requirements of
JTC1 directives (clauses 2.3.1.10, 2.1.3.11) that work items that
do not make sufficiently rapid progress will be deleted from the
program of work.

<u>Recommendation 5</u> - Acknowledgements in standards

ISO/IEC JTC1 SC22 Advisory Group supports the principle that
those who contribute to the development of a standards should be
acknowledged by name in the final published document, and
requests its secretariat to communicate this opinion to
ISO/IEC JTC1 and ITTF.

<u>Recommendation 6</u> - Document elements not prohibited by ISO/IEC
directives volume 3

ISO/IEC JTC1/SC22 Advisory Group

- notes that questions have been raised by ITTF in relation to
  a number of recent SC22 documents, about their style and
  format, some of which reflect criteria that are not stated
  in ISO/IEC Directives Volume 3;

- further notes that such criteria can delay document
  production, entail unnecessary revisions, and frustrate
  volunteer workers, even though the document has been
  reviewed by working group, subcommittee and JTC1 processing;

- therefore recommends that JTC1 instruct ITTF to indicate
  what section of volume 3 is associated with any requests for
  format changes;

- further recommends that if ITTF feels that additional
  criteria should be included in volume 3, these should be
  submitted to the appropriate Procedures group, and not be
  required of approved documents; and

- requests the SC22 secretariat to forward this recommendation
  to JTC1 secretariat, and requests convenors of affected SC22
  working groups to provide the SC22 secretariat with relevant
  evidence.

Recommendation 7 - Modula 2 Project Sub-division

ISO/IEC JTC1/SC22 Advisory Group

-    requests WG13 - Modula 2 to produce a revised version of
     document N847, together with a complete list of extensions
     to the standard, and to submit this document to the SC22
     Secretariat; and

-    requests the SC22 Secretariat to issue a letter ballot
     asking for approval of the proposed project sub-division,
     based on the WG13 documentation.

Recommendation 8 - Name spaces and related issues

ISO/IEC JTC1 SC22 Advisory Group requests the acting convenor of
WG11, Mr. Willem Wakker, to solicit information from the SC22
language working groups, SC22/WG15 (POSIX), SC21/WG3 (Database)
and SC24 (Graphics), and others as necessary, on language binding
issues such as name spaces, and to report on the nature and
extent of any problems at the 1991 SC22 Plenary meeting.

Recommendation 9 - WG14 - Language "C" - Reporting

ISO/IEC JTC1/SC22 Advisory Group recommends the SC22 secretariat
to communicate with the convenor of WG14, Mr. P.J. Plauger, and
the US member body, expressing the Advisory Group's concern about
the absence of representation from WG14 at the Advisory Group
meeting and previous SC22 meetings and the lack of requested
synchronization, and strongly urging the WG14 convenor to provide
representation and a report at the 1991 Plenary meeting.

Recommendation 10 - Internationalization

ISO/IEC JTC1/SC22 Advisory Group, noting the approval of the
internationalization NWI proposal and its addition to the SC22
programme of work,

-    recommends the establishment of a new SC22 working group on
     internationalization issues, and the assignment of the new
     work item to that working group;

-    recommends the SC22 Secretariat to initiate a SC22 letter
     ballot to endorse these recommendations;

-    recommends the SC22 Secretariat to request member bodies
     immediately to submit nominations for membership of the new
     working group, if and when established;

- recommends the SC22 Secretariat to ask Mr. R. Weaver (USA) to act as interim convenor of the new working group, pending formal nomination procedures if and when the working group is established;

- recommends to the SC22 Secretariat that the interim convenor of the new working group be requested to liaise with the convenor of the ad hoc working group on character handling, and others as appropriate, on matters of common interest such as meetings and terms of reference of the new working group, in the interests of coordinating activities.

Recommendation 11 - C++

ISO/EIC JTC1/SC22 Advisory Group:

- recommends the SC22 Secretariat, if and when the new work item is approved, to take the necessary steps to establish a new working group for C++;

- requests this new working group work closely with the US member body Technical Committee X3J16; such work to be synchronized by X3J16's use of the X3 international development (Type I) process;

- recommends the SC22 Secretariat, if and when the new working group is approved, to confirm the appointment of Mr. Steve Carter as Convenor of the new working group;

- recommends that SC22 amend the scope of the C++ new work item proposal (NP) as given in N817 to add the following to the second paragraph of the scope:

"Incompatibilities between C++ and DIS 9899 (and the resulting IS 9899), C language, will be handled as described in section 5.5.4 of N656, final version of proposal DTR Type 3 on: Guidelines for the preparation of programming language standards, now approved for publication as TR 10176, notwithstanding that the relationship between C++ and C is not that of a revision of an existing standard".

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Recommendation 12 - OSCRL Project

ISO/IEC JTC1 SC22 Advisory Group requests SC22 WG15 - POSIX

- to take all reasonable steps, using known contacts, to obtain copies of all available documents relating to the OSCRL project;

- to review these documents and the history of the project;

- to consult and seek participation of experts from the former SC21/WG5 in this review process;

- to submit a report on this review to the 1991 SC22 plenary;

- to include in this report one or more proposals for the future of the OSCRL project, with any recommendations that WG15 think appropriate.

Recommendation 13 - WG11 Consultancy

ISO/EIC JTC1/SC22 Advisory Group, in order to raise awareness of cross language issues:

- recommends SC22 WGs to invite members of WG11 to their meetings, where this is possible, to discuss the work of WG11 and to encourage their members to attend WG11 meetings where possible; and

- recommends member bodies to encourage similar contacts at domestic level.

Recommendation 14 - WG11 - Liaison

ISO/IEC JTC1/SC22 Advisory Group recommends the SC22 Secretariat to communicate the relevant content of N861 to the SC21 Secretariat and establish the necessary communications about timescales.

Recommendation 15 - SC22 Liaison

ISO/IEC JTC1/SC22 Advisory Group recommends SC22 Secretariat, to issue a letter to SC22 Member Bodies asking for consideration of appointment of following formal liaisons to:

- ISO/IEC JTC1/SGFS - Functional Standards;

- ISO/IEC JTC1/SC1 - Vocabulary; and

-    ISO/IEC JTC1/SC21 - Open System Interconnect

prior to the next SC22 Plenary meeting.

Recommendation 16 - SC21 Communication with SC22 Ad Hoc Group on Character Requirements

.ISO/IEC JTC1/SC22 Advisory Group recommends the SC22 Secretariat to forward to SC21 Secretariat the annex to SC22 N846 prepared by SC22 Ad Hoc Group on Character Requirements as a response to the Liaison statement SC21/N4672 (SC22/N829), after a further review by the ad hoc group.

Recommendation 17 - Ad Hoc Group on Character Requirements, Plan of Work

ISO/IEC JTC1/SC22 Advisory Group has reviewed the Plan of Work for the Ad Hoc Group on Character Requirements outlined in SC22 N856, and requests the convenors of SC22 WGs to respond in a timely manner to requests for information from the Ad Hoc Group.

Recommendation 18 - "Fortran 90"

ISO/IEC JTC1 SC22 Advisory Group, recognizing the importance of the forthcoming ISO"IEC 1539-199X ("Fortran 90") standards, recommends member bodies to adopt it as the single "Fortran" Programming Language Standard in the interest of worldwide harmonization of standards. \

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Recommendation 19 - Standards Integration

ISO/IEC JCT1/SC22 Advisory Group:

-    notes that the need in the IT industry for close integration and interoperability between standard conforming implementations means that SC22 has increasing responsibility to ensure that its work can be integrated with JTC1 Standards internal and external to SC22; and

-    recommends that SC22 WGs allocate resources to ensure that this integration need is addressed, including, in particular, liaison with SC22 work in WG11, WG15, WG18 and the WG on internationalization.

Resolution 149 - COBOL Synchronization Plan

ISO/IEC JTC1/SC22 Advisory Group:

- expresses its appreciation to Ms. Ann Wallace, interim convenor of WG4, for the preparation and presentation of N814, Synchronization Plan for COBOL;

- adopts the synchronization plan in N814 with the following amendments:

    (1) Page 1, Introduction, states in new paragraph 4 that the goal of synchronization is to develop a single COBOL standard by the national body and international processes, obtaining the widest possible consensus.

    (2) Page 2, Specific Procedures to be followed...:

        (a) Item 2, Note, is modified to read "In the event significant late comments are received, a recommendation for action will be determined by WG4".

        (b) Item 3, first sentence, is modified to read "Disposition of comments and further advancement of a document will be made by WG4".

        (c) Item 4 is modified to read "If significant change occurs to the text, the CD ballot will be repeated".

- instructs the convenor and WG4 to implement the synchronization plan in N814, as amended, immediately;

- requests the WG convenor to forward a revised plan, approved by WG4 and X3J4, for the 1991 ISO/EIC JTC1/SC22 Plenary meeting.

Resolution 150 - Fortran Synchronization Plan

ISO/IEC JTC1/SC22 Advisory Group

- expresses its appreciation to Ms. Jeanne Martin, convenor of WG5 - Fortran, for preparing the Synchronization Plan for Fortran contained in document N848, and to Mr. Gerhard Schmitt for presenting it on her behalf;

- adopts the synchronization plan in N848.

- instructs the convenor and WG5 to immediately implement N848.

Resolution 151 - Ada Coordination Plan

ISO/IEC JTC1/SC22 Advisory Group:

- expresses its appreciation to Mr. Robert Mathis, Convenor of WG9, for the preparation and presentation of N844, Coordination in the revision of Ada; and

- instructs the Convenor to forward the plan to SC22 for adoption, following the plan's approval by WG9, as stated in N844.

Resolution 152 - POSIX Synchronization Plan

ISO/IEC JTC1/SC22 Advisory Group:

- express its appreciation to Mr. Jim Isaak, Convenor of WG15, for the preparation and presentation of N840, Synchronization Plan for the work of SC22/WG15 - POSIX and USA IEEE Technical Committee on Operating Systems (POSIX);

- adopts the Synchronization Plan in N840; and

- instructs the Convenor and WG15 to immediately implement N840.

Resolution 153 - POSIX Schedules

ISO/IEC JTC1/SC22 Advisory Group:

- recommends that the requirement to produce the POSIX standards under sub-divided JTC1.22.21 in the form of language independent specifications and language bindings be carried out in such a way that it does not delay the standardization of the C language bindings;

- requests the WG15 convenor to provide, for each sub-project, the corresponding separate schedules for the language independent specification and the language bindings.

Resolution 154 - WG15 Co-ordination

ISO/IEC JTC1/SC22 Advisory Group requests the WG15 convenor to provide a report to SC22 on the results of the SC22 N860

coordination effort, noting that it would be useful to include information about the groups involved, the contacts in these groups, and the expected relationship of the resulting documents.

Resolution 155 - Appreciation: Dr. Brian Wichmann

ISO/IEC JTC1/SC22 Advisory Group thanks Dr. Brian Wichmann (UK) for his services as convenor of WG2 - Pascal and applauds his efforts in bringing the Extended Pascal standard to a successful conclusion.

Resolution 156 - Appreciation: Mr. Don Nelson

ISO/IEC JTC1/SC22 Advisory Group thanks Mr. Don Nelson for his services as convenor of WG11 - Language Bindings.

Resolution 157 - Appreciation: Mr. Willem Wakker

ISO/IEC JTC1/SC22 Advisory Group:

-   thanks Mr. Willem Wakker (Netherlands) for taking over the convenorship of WG11 on an acting basis at short notice, and NNI for providing secretariat support;

-   requests Mr. Wakker to continue to act in that capacity until the necessary procedures for appointment of a new convenor of WG11 can be completed; and

-   warmly appreciates the fact that the work of WG11 is continuing to make good progress under Mr. Wakker's leadership.

Resolution 158 - Appreciation: Dr. I. Newman

ISO/IEC JTC1/SC22 Advisory Group thanks Dr. Ian Newman (UK) for attending its meeting at very short notice and for his help and advice in relation to the OSCRL project.

Resolution 159 - Appreciations - Drafting Committee

ISO/EIC JTC1/SC22 Advisory Group expresses its appreciation to the drafting committee (Mr. Scott Jameson, Mr. Isak Korn, Mr. Brian Meek and Mr. Gerhard Schmitt) for the outstanding quality of their work, with special reference to Isak Korn for his usual efficient leadership and to Brian Meek for his excellent document editing.

Resolution 160 - Appreciations - London SC22 AG Meeting

ISO/IEC JTC1/SC22 Advisory Group express its appreciation to all those who have assisted in the work of this meeting, in particular:

- BSI, for providing facilities for the meeting and secretariat support;

- members of the staff of BSI, with special reference to:

  Jean Stridge
  Jane Ketteridge

- Those organizations which sponsored the meeting and the Thames river cruise, namely:

  International Computers Limited
  Lucas Engineering and Systems Limited
  Alsys UK Limited
  Olivetti Systems and Networks Limited
  Prospero Software Limited
  Teesside Polytechnic Computer Centre
  IBM United Kingdom Limited
  King's College London - Computing Centre
  Goldsmiths' College London - Computing Centre

- Viscount Graigavon for his excellent presentation at the visit to the House of Lords, and also Mr. Richard Morgan;

- The steering group members, Mr. Terry Bounds, Mr. David Hoslin and Mr. Brian Meek, for the excellent arrangements for the meeting;

- Mr. Bob Follett, for performing the task of acting chairman of SC22;

- Mr. Joseph Côté for his secretariat support.

Resolution 161 - Electronic Mail

ISO/IEC JTC1/SC22 Advisory Group thanks Gerhard Schmitt for his work in implementing and maintaining electronic mail links with a number of members of the SC22 Advisory Group and working groups of SC22.