

ISO/IEC JTC 1/SC 22  
Programming Languages

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## **Final Resolutions of the 22-24 September 2008 JTC 1/SC 22 Plenary**

### **Resolution 08-01: Call for National Body Contributions on Document Archiving**

JTC 1/SC 22 notes the importance of archiving JTC 1/SC 22 and Working Group documents and email discussions for the purpose of preserving the history of programming language standardization.

Therefore, JTC 1/SC 22 requests its National Bodies and Working Groups to submit contributions to the 2009 Plenary on:

- ways to accomplish the preservation of programming language standardization history,
- ways to recover early records (especially paper), and
- any national activities in this area.

JTC 1/SC 22 notes that many historic documents are currently archived on the Open-Std website maintained by Mr. Keld Simonsen. JTC 1/SC 22 requests Mr. Simonsen to maintain this archive on his website through the 2009 Plenary.

*Unanimously approved*

### **Resolution 08-02: JTC 1/SC 22 Appointment of Representative to JTC 1 Special Working Group on Archival and Retrieval Mechanisms (SWG-ARM)**

JTC 1/SC 22 appoints Mr. Keld Simonsen (DK) as its representative to the JTC 1 SWG-ARM.

*Unanimously approved*

### **Resolution 08-03: Establishment of JTC 1/SC 22/WG 23, Programming Language Vulnerabilities**

JTC 1/SC 22, noting that

- the JTC 1/SC 22 Other Working Group on Vulnerabilities (OWG-V) has been in existence since 2006; and
- OWG-V is responsible for the development and maintenance of ISO/IEC TR 24772, Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use

establishes JTC 1/SC 22/WG 23, Programming Language Vulnerabilities.

JTC 1/SC 22 appoints Mr. John Benito (US) as Convener.

The scope of this Working Group is to address any issues related to programming language vulnerabilities. Development and maintenance of ISO/IEC TR 24772, Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use, is assigned to this Working Group.

The following JTC 1/SC 22 members have agreed to participate in this Working Group: Canada, Italy, Japan, the Netherlands, the United Kingdom and the United States. JTC 1/SC 22 instructs its Secretary to issue a three-month call for additional members. Liaisons established between the former OWG-V and any other Working Groups and organizations shall be carried forward.

*Unanimously approved*

**Resolution 08-04: National Body Participation in JTC 1/SC 22/WG 4 Technical Work**

Currently, JTC 1/SC 22/WG 4 delegates its detailed technical work to the U.S. National Body with regular oversight from WG 4 itself. However, representatives of other National Bodies cannot participate in the detailed technical work without being paid-up members of the U.S. national committee. As such, JTC 1/SC 22 directs JTC 1/SC 22/WG 4 to review its operating rules in order to find a way for representatives of other National Bodies to participate directly in the detailed technical work.

*Unanimously approved*

**Resolution 08-05: National Body Use of ISO Commenting Template**

JTC 1/SC 22 notes that National Bodies have expressed concern that the ISO Commenting Template is too restrictive. For example, lengthy comments, comments that require more width or special formatting, such as code segments, are problematic. JTC 1/SC 22 therefore permits National Bodies submitting such comments in a CD or PDTR ballot to provide summaries for those comments in the ISO Commenting Template and the full details in a small number of separate documents, which are identified in the submitted template. JTC 1/SC 22 instructs its Secretary to publish these separate documents as JTC 1/SC 22 N-numbered Documents that are referenced in the summary of voting.

Before final submission of the comments, National Bodies are encouraged to discuss with the JTC 1/SC 22 Secretary how best to present their comments.

*Unanimously approved*

**Resolution 08-06: Changes to the JTC 1/SC 22 Programme of Work**

JTC 1/SC 22 agrees to the following changes to the JTC 1/SC 22 Programme of Work:

- Cancellation of ISO/IEC PWI 24737, Information technology – C++ - Library Extensions (based on ISO/IEC 14482), Type 2 TR,
- Cancellation of ISO/IEC PWI 29117, Programming language C++ - Modules,
- Re-naming of ISO/IEC TR 24772, “Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use” to “Programming Language Vulnerabilities”.

JTC 1/SC 22 instructs its Secretary to immediately submit this request to the JTC 1 Secretary so that it can be approved at the JTC 1 2008 Plenary.

*Unanimously approved*

**Resolution 08-07: Reconfirmation of POSIX Advisory Group Convener**

JTC 1/SC 22 reconfirms Mr. Stephen Walli (US) as Convener of the POSIX Advisory Group.

*Unanimously approved*

**Resolution 08-08: Reconfirmation of External Liaisons and Liaison Representatives**

JTC 1/SC 22 reconfirms the following external liaisons and liaison representatives:

- Ecma International, Mr. Rex Jaeschke, and
- Linux Foundation, Mr. Nick Stoughton.

JTC 1/SC 22 instructs its Secretary to inform JTC 1, ITTF and each liaison organization of this decision.

*Unanimously approved*

**Resolution 08-09: Reconfirmation of Organizational Representatives to the Austin Joint Working Group**

JTC 1/SC 22 reconfirms Mr. Nick Stoughton as its organizational representative to the Austin Joint Working Group. JTC 1/SC 22 further reconfirms Mr. Keld Simonsen as its alternate organizational representative.

JTC 1/SC 22 instructs its Secretary to inform the Chair of the Austin Joint Working Group of this decision.

*Unanimously approved*

**Resolution 08-10: Reconfirmation of Internal Liaisons and Liaison Representatives**

JTC 1/SC 22 reconfirms the following internal liaisons and their liaison representatives:

- ISO TC 37, Terminology and other language and content resources, Mr. Keld Simonsen,
- JTC 1/SC 2, Coded Character Sets, Mr. Mike Ksar,
- JTC 1/SC 7, Software and Systems Engineering, Mr. James W. Moore and Mr. Kiyoshi Ogawa, and
- JTC 1/SC 32, Data Management and Interchange, Mr. Frank Farance.

JTC 1/SC 22 instructs its Secretary to inform JTC 1, ITTF and each liaison committee of this decision.

*Unanimously approved*

**Resolution 08-11: Officer Appointments and Re-Appointments**

JTC 1/SC 22 approves the following Working Group Convener appointments:

- Mr. John Reid (UK), WG 5 – Fortran,
- Mr. Willem Wakker (NL), WG 11 – Binding Techniques,
- Mr. John Benito (US), WG 14 – C,
- Mr. Taiichi Yuasa (JP), WG 16 – LISP,
- Mr. Jonathan Hodgson (US), WG 17 – Prolog,
- Mr. P.J. Plauger (US), WG 21 – C++, and
- Mr. John Benito (US), WG 23 – Programming Language Vulnerabilities (see resolution 08-03).

*Unanimously approved*

**Resolution 08-12: Authorization for Concurrent CD Registration and CD Ballot**

JTC 1/SC 22 authorizes its Secretary to conduct a concurrent ballot for CD registration and CD approval upon receipt of the following document from the Working Group Convener:

- ISO/IEC PWI 15291, Information technology – Programming languages – Ada Semantic Interface Specification (ASIS).

*Unanimously approved*

**Resolution 08-13: JTC 1/SC 22 Standing Document: Procedures**

JTC 1/SC 22 instructs its Secretary to create a Standing Document on the procedures that JTC 1/SC 22 uses and that are not in the JTC 1 Directives for circulation to JTC 1/SC 22 National Bodies for a three-month comment period no later than 15 December 2008. The Secretary is further instructed to take the comments received into consideration and create a Standing Document that will be accessible via the JTC 1/SC 22 Web Page and be available to all. This document will be reviewed at the 2009 JTC 1/SC 22 Plenary.

*Unanimously approved*

**Resolution 08-14: JTC 1/SC 22 Plenary for 2009**

JTC 1/SC 22 thanks the Netherlands for its offer to host the 2009 Plenary and is pleased to accept the offer. The Plenary is scheduled for 31 August – 3 September 2009 in Delft.

*Unanimously approved*

**Resolution 08-15: Hosting Future JTC 1/SC 22 Plenaries**

JTC 1/SC 22 encourages P- and O-members who do not attend JTC 1/SC 22 Plenaries on a regular basis to consider hosting a Plenary in the near future. JTC 1/SC 22 is willing to participate in presentations of interest to the hosting National Body.

*Unanimously approved*

**Resolution 08-16: Appreciation: ISO Central Secretariat**

JTC 1/SC 22 expresses its gratitude to Mr. Richard Cook, ISO Central Secretariat, for his extremely informative presentation and for his responsiveness to JTC 1/SC 22 issues.

*Approved by Acclamation*

**Resolution 08-17: Appreciation: Convener of JTC 1/SC 22/WG 21 – C++**

JTC 1/SC 22 expresses its gratitude to the convener of JTC 1/SC 22/WG 21, Mr. Herb Sutter, for his many years of leadership in WG 21. He has ably led JTC 1/SC 22's largest Working Group during a complex revision process.

*Approved by Acclamation*

**Resolution 08-18: Appreciation: Webmaster**

JTC 1/SC 22 expresses its gratitude to Mr. Keld Simonsen and the Engineering College of Copenhagen for providing web and email support for JTC 1/SC 22 and several of its subgroups for many years. Without this support, JTC 1/SC 22 and those subgroups would have had difficulty in the advancement of their work.

*Approved by Acclamation*

**Resolution 08-19: Appreciation: JTC 1/SC 22 Chair**

JTC 1/SC 22 expresses its gratitude to its Chair, Mr. Rex Jaeschke, for his excellent leadership and guidance during the meeting.

*Approved by Acclamation*

**Resolution 08-20: Appreciation: Drafting Committee**

JTC 1/SC 22 expresses its gratitude to the Drafting Committee: Mr. Kiyoshi Ishihata, Mr. Nick Stoughton, Mr. Keld Simonsen, Mr. Stephen Michell, Mr. John Reid, and Ms. Sally Seitz for their indefatigable work in the preparation of the meeting resolutions.

*Approved by Acclamation*

**Resolution 08-21: Appreciation: Meeting Host**

JTC 1/SC 22 expresses its gratitude to UNI for hosting this meeting and providing excellent meeting facilities, and especially to Ms. Maria Vittoria Vineis and Mr. Tullio Vardanega, for all of their assistance.

*Approved by Acclamation*