

ISO/IEC JTC 1/SC 22

Programming languages, their environments and system software interfaces

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**Final
Resolutions of the
19-20 September 2011
JTC 1 SC 22 Meeting
Copenhagen, Denmark**

Resolution 11-01: Request for an Extension of the Project Time Frame for ISO/IEC FCD 1989, Information technology – Programming languages – COBOL

JTC 1/SC 22, noting the report of the JTC 1/SC 22/WG 4 Convenor (SC 22 N 4674), instructs its Secretary to request a one-year extension of the project time frame for ISO/IEC FCD 1989, Information technology – Programming languages – COBOL.

Unanimous consent

Resolution 11-02: Authorization to Initiate NP Ballot for Software Code Signing

JTC 1/SC 22 instructs its Secretary to initiate a New Work Item Proposal ballot on Software Code Signing (as attached to SC 22 N 4649 and N 4670) with JTC 1/SC 22/WG 23 – Programming Language Vulnerabilities as the proposer, upon receipt of the NP form and working draft.

Unanimous consent

Resolution 11-03: ISO/IEC NP TR 29113, Further Interoperability of Fortran with C

JTC 1/SC 22 instructs the JTC 1/SC 22/WG 5 Convenor to submit future drafts of TR 29113, Further Interoperability of Fortran with C as Technical Specifications and requests that the draft for DTS ballot be submitted before the end of June 2012.

Unanimous consent

Resolution 11-04: Cancellation of ISO/IEC NP 10967-2, Information technology – Language independent arithmetic – Part 2: Elementary numerical functions and ISO/IEC NP 10967-3, Information technology – Language independent arithmetic – Part 3: Complex integer and floating point arithmetic and complex elementary numerical functions

JTC 1/SC 22 cancels the following projects:

- ISO/IEC NP 10967-2, Information technology – Language independent arithmetic – Part 2: Elementary numerical functions; and
- ISO/IEC NP 10967-3, Information technology – Language independent arithmetic – Part 3: Complex integer and floating point arithmetic and complex elementary numerical functions.

JTC 1/SC 22 requests its Secretary to inform ITTF immediately of this decision.

Unanimous consent

Resolution 11-05: Disbandment of JTC 1/SC 22/WG 11 – Binding Techniques

At the request of the WG 11 Convenor (see SC 22 N 4644), noting JTC 1/SC 22 Resolution 10-12, the current work of WG 11 is complete and no new work items are forthcoming, JTC 1/SC 22 disbands JTC 1/SC 22/WG 11.

JTC 1/SC 22 transfers the responsibility of ISO/IEC 11404:2007, Information technology – General-Purpose Datatypes (GPD) upon JTC 1 approval to JTC 1/SC 32/WG 2 (this has been placed on the November 2011 JTC 1 Plenary Agenda).

JTC 1/SC 22 assigns the maintenance of all other projects currently assigned to JTC 1/SC 22/WG 11 to JTC 1/SC 22 and instructs its Secretary to modify the JTC 1/SC 22 Programme of Work to reflect these assignments.

JTC 1/SC 22 requests Mr. Keld Simonsen to maintain the JTC 1/SC 22/WG 11 website, email reflector and their archives.

JTC 1/SC 22 thanks the members of JTC 1/SC 22/WG 11 who have contributed to the work of this group.

Unanimous consent

Resolution 11-06: Disbandment of JTC 1/SC 22/WG 16 – Lisp

At the request of the WG 16 Convenor (see SC 22 N 4646), noting JTC 1/SC 22 Resolution 10-13, the current work of WG 16 is complete and no new work items are forthcoming, JTC 1/SC 22 disbands JTC 1/SC 22/WG 16.

JTC 1/SC 22 assigns the maintenance of all projects currently assigned to JTC 1/SC 22/WG 16 to JTC 1/SC 22 and instructs its Secretary to modify the JTC 1/SC 22 Programme of Work to reflect this assignment.

JTC 1/SC 22 requests Mr. Keld Simonsen to maintain the JTC 1/SC 22/WG 16 website, email reflector and their archives.

JTC 1/SC 22 thanks the members of JTC 1/SC 22/WG 16 who have contributed to the work of this group.

Unanimous consent

Resolution 11-07: Reconfirmation of JTC 1/SC 22 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 and Mr. Keld Simonsen.

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

Unanimous consent

Resolution 11-08: Disbandment of the JTC 1/SC 22 POSIX Advisory Group

Noting that the sole purpose of the POSIX Advisory Group has been to advise JTC 1/SC 22 members on how to vote and that the Organizational Representatives from JTC 1/SC 22 to the Austin Joint Working Group can make any recommendations directly to the subcommittee, JTC 1/SC 22 disbands the POSIX Advisory Group.

JTC 1/SC 22 thanks the members of the JTC 1/SC 22 POSIX Advisory Group who have contributed to the work of this group.

Unanimous consent

Resolution 11-09: Free Availability of ISO/IEC 16262:2011, Information technology – Programming languages – ECMAScript language specification

JTC 1/SC 22 requests that ISO/IEC 16262:2011, Information technology – Programming languages – ECMAScript language specification be made freely available with the following rationale: This publication is freely available through Ecma International, and as such fits criterion number 2 contained in JTC 1 N 7269.

JTC 1/SC 22 instructs its Secretary to take necessary administrative actions to make this document freely available.

Unanimous consent

Resolution 11-10: Confirmation of Organizational Representatives to the Austin Joint Working Group

JTC 1/SC 22 confirms Mr. Nick Stoughton as its Organizational Representative to the Austin Joint Working Group for a period of one year. JTC 1/SC 22 further reconfirms Mr. Keld Simonsen as its alternate Organizational Representative for a period of one year. The Organizational Representatives are requested to make JTC 1/SC 22 aware of any forthcoming submissions to JTC 1/SC 22 prior to the ballot initiation and include any concerns or recommendations on any matter.

The Organizational Representatives will be appointed at each Plenary.

Unanimous consent

Resolution 11-11: Confirmation of Internal Liaisons and Liaison Representatives

JTC 1/SC 22 confirms the following internal liaisons and 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;
- JTC 1/SC 27, IT Security techniques, Mr. James W. Moore;
- JTC 1/SWG-Smart Grid, Mr. Thomas Plum; and
- JTC 1/SWG-Directives, Mr. Stephen Michell.

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

Unanimous consent

Resolution 11-12: JTC 1/SC 22 Chair

JTC 1/SC 22 endorses Mr. Rex Jaeschke (US) as the Chair of JTC 1/SC 22 for another three-year term and instructs its Secretary to send this endorsement to JTC 1 for confirmation.

Unanimous consent

Resolution 11-13: Officer Appointments and Re-Appointments

JTC 1/SC 22 approves the following Working Group Convenor re-appointments (for three-year terms):

- Mr. John Reid (UK), WG 5;
- Mr. John Benito (US), WG 14;
- Mr. Jonathan Hodgson (US), WG 17; and
- Mr. John Benito (US), WG 23.

Unanimous consent

Resolution 11-14: Approval of Project Editor

JTC 1/SC 22 approves the following appointment as JTC 1/SC 22 Project Editor:

- Mr. Stefanus Du Toit, for ISO/IEC 14882, Information technology – Programming languages - C++.

Unanimous consent

Resolution 11-15: Standards and Technical Reports for 2012 Periodic Review

JTC 1/SC 22 recommends to JTC 1 that at the end of their review periods, the following standards and technical reports be confirmed:

ISO/IEC/IEEE 9945:2009, Information technology – Portable Operating System Interface (POSIX) Base Specifications, Issue 7

ISO/IEC 11404:2007, Information technology – General-Purpose Datatypes (GPD)

ISO/IEC TR 19768:2007, Information technology – Programming languages --

Technical Report on C++ Library Extensions

ISO/IEC 24716:2007, Information technology – Programming languages, their environments and system software interfaces – Native COBOL Syntax for XML Support

ISO/IEC TR 24731-1:2007, Information technology – Programming languages, their environments and system software interfaces – Extensions to the C Library – Part 1: Bounds-checking interfaces

JTC 1/SC 22 recommends to JTC 1 that at the end of their review period, the following standards be stabilized:

ISO/IEC 13568:2002, Information technology – Z formal specification notation -
- Syntax, type system and semantics

ISO/IEC 15145:1997, Information technology – Programming languages -
FORTH

ISO/IEC 20970:2002, Information technology – Programming languages, their environments and system software interfaces – JEFF file format

Unanimous consent

Resolution 11-16: Request to JTC 1 regarding Systematic Review

Recommendations

JTC 1/SC 22, noting that ITTF no longer distributes the recommendations provided by JTC 1 subcommittees on standards and technical reports to National Bodies with Systematic Review ballots, requests JTC 1 to publish these recommendations as a JTC 1 N-numbered document. JTC 1/SC 22 further requests its P- and O-members to contact their Technical Management Board and Standards Management Board members to request that these recommendations be included with Systematic Review ballots.

Unanimous consent

Resolution 11-17: Location of JTC 1 Forms

JTC 1/SC 22 reminds its members that a collection of all JTC 1 Forms is no longer available as an annex to the JTC 1 Supplement to the ISO/IEC Directives, Part 1 but is available on the JTC 1 eCommittee site (www.jtc1.org) in the “Forms” folder.

Unanimous consent

Resolution 11-18: Training for WebEx

JTC 1/SC 22, noting that it wishes to utilize electronic means as a way to increase its participation at both Plenary and Working Group meetings, requests its Secretary to schedule a training session for JTC 1/SC 22 National Bodies and Working Groups that

will demonstrate the various functionalities available and those functionalities that will be utilized during a meeting. In an effort to ensure that as many National Bodies as possible can participate, the Secretary is requested to announce the training 90 days in advance.

Unanimous consent

Resolution 11-19: JTC 1/SC 22 Plenary for 2012

JTC 1/SC 22 thanks IEC for its offer to host the 2012 Plenary and is pleased to accept the offer. The Plenary is scheduled for 10-11 September 2012 in Geneva, Switzerland.

Unanimous consent

Resolution 11-20: Hosting Future JTC 1/SC 22 Plenaries

JTC 1/SC 22 encourages its P- and O-members, including those 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.

Unanimous consent

Resolution 11-21: Web Conference Participation at JTC 1/SC 22 Plenaries

JTC 1/SC 22, in an effort to increase participation in Plenary meetings, and to ease the cost and effort for those having difficulties attending Plenaries, instructs its Secretary to work with the host to make available web conferencing for the 2012 Plenary. JTC 1/SC 22 intends that all endorsed P- and O-member delegates that attend using the web conferencing will be treated as though they were attending in person.

JTC 1/SC 22 requests its Chair to contact P- and O-members and sub-group leaders to make them aware of this new capability and encourage them to participate.

Unanimous consent

Resolution 11-22: Appreciation: JTC 1/SC 22/WG 11 Convenor

JTC 1/SC 22 expresses its gratitude to Mr. Willem Wakker for his many years of insightful leadership of JTC 1/SC 22/WG 11 - Binding Techniques. Under his leadership, this group has thrived and delivered numerous successful standards on behalf of JTC 1/SC 22.

By acclamation

Resolution 11-23: Appreciation: JTC 1/SC 22/WG 16 Convenor

JTC 1/SC 22 expresses its gratitude to Mr. Taiichi Yuasa for his many years of insightful leadership of JTC 1/SC 22/WG 16 - Lisp. Under his leadership, this group has thrived and delivered successful standards on behalf of JTC 1/SC 22 and the Lisp community.

By acclamation

Resolution 11-24: Appreciation: POSIX Advisory Group Convenor

JTC 1/SC 22 expresses its gratitude to Mr. Stephen Walli for his many years of service leading the JTC 1/SC 22 POSIX Advisory Group.

By acclamation

Resolution 11-25: 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 and throughout the year.

By acclamation

Resolution 11-26: Appreciation: JTC 1/SC 22 Secretary

JTC 1/SC 22 expresses its appreciation to its Secretary, Ms. Marisa Peacock, for her excellent support of JTC 1/SC 22 activities.

By acclamation

Resolution 11-27: Appreciation: Webmaster

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

JTC 1/SC 22 would especially like to thank Mr. Keld Simonsen on behalf of WG 11 and WG 16 for his many years of service providing web and email support.

By acclamation

Resolution 11-28: Appreciation: WG 11 Project Editor

JTC 1/SC 22 expresses its gratitude to Mr. Kent Karlsson for his ongoing work as a JTC 1/SC 22/WG 11 project editor.

By acclamation

Resolution 11-29: Appreciation: WG 21 Project Editor

JTC 1/SC 22 expresses its gratitude to Mr. Peter J. Becker for his many years of service as a JTC 1/SC 22/WG 21 project editor, concluding with the successful balloting of a 1,365-page FDIS text.

By acclamation

Resolution 11-30: Appreciation: Drafting Committee

JTC 1/SC 22 expresses its gratitude to the Drafting Committee:

- Mr. Stephen Michell (CA);
- Mr. David Keaton (US);

- Mr. Keld Simonsen (DK);
- Mr. John Reid (UK);
- Mr. Kiyoshi Ishihata (JP);
- Mr. J. Daniel Garcia (ES); and
- Ms. Sally Seitz

for their work in the preparation of the meeting resolutions.

By acclamation

Resolution 11-31: Appreciation: Teleconference Sponsor

JTC 1/SC 22 expresses its gratitude to Mr. Herb Sutter and Microsoft for providing the teleconference capabilities for this meeting.

By acclamation

Resolution 11-32: Appreciation: Meeting Host

JTC 1/SC 22 expresses its gratitude to the Danish Standards Foundation (DS) for hosting this meeting and providing excellent meeting facilities and administration. JTC 1/SC 22 wishes to especially thank Ms. Maria Banck-Hammerum for her attention to detail and assistance to JTC 1/SC 22 members at the meeting.

By acclamation

Resolution 11-33: Appreciation: Acting Secretary

JTC 1/SC 22 expresses its gratitude to Ms. Sally Seitz for serving as Acting Secretary for this meeting.

By acclamation