

Draft (unapproved) Minutes

Montreal, Canada

23-24 July 1999

1.0 Opening of Meeting

1.1 Welcome from the Host

David Blackwood (Chair) called the meeting to order at 09.00am July 23, 1999 at the Bell Canada offices in Montreal, Canada. This meeting was hosted by the Standards Council of Canada.

1.2 Introductions & Roll Call of Technical Experts

Name	Delegation	Post
Jim Oblinger		Convener
Dave Blackwood	Canada	HoD/Chair
Alain La Bonte'	Canada	observer
Nick Stoughton	UK	Hod
Keld Simonsen	UK	invited expert
Andrew Josey	UK	member/TOG Liaison
Roger Martin	US	HoD/Secretary
Jay Ashford	US	member
Bob Barned	US	member
Lowell Johnson	US	member

1.2.1 Verification of HoD-PASC Distribution

No problems reported

1.3 Selection of Drafting Committee

Nick Stoughton, Lowell Johnson

1.4 Adoption of Agenda

Agenda reviewed and adopted.

The convener announced that there is a concern about making any decisions at this meeting because only three Member Bodies are represented and quorum requirements are not clear. As a result, it was agreed that all Resolutions approved at this meeting will be submitted to WG15 via e-mail for a 45-day letter ballot to confirm those resolutions (see 7.1 below).

Action (Convener): Research rules regarding Working Group meeting quorum requirements and the ability of a Working Group to conduct business.

Action (Convener): Initiate a review of SD6. Any names not confirmed should be dropped.

1.5 Approval of Minutes

Minutes (WG15 N783) were approved without modification.

1.6 Action Items & National Reports

9901-01 Project Editor (Stephe Walli) - Call and conduct an editing meeting to create, approve, and forward to the SC22 Secretariat, a disposition of comments for IEEE 1003.2b (JTC1.22.41). (R 96-334) after a review by the U.S., Japan, and Denmark Member Bodies. A proposed record of response has been received via email in WG15 N754. An editing meeting must now be held via conference call or email. (See 9705-10.) (Rolled over from 9605-53, 9610-18, 9705-10, 9705-39, 9710-03, 9804-02)

CLOSED - an electronic editing meeting was held after the New Orleans meeting (Jan. 1999). Keld Simonsen objected, but agreed to close this action item because it has been overcome by events.

9901-02 U.S. - Send the appropriate document corresponding to 22.21.03.02 Batch Services {2d/15a} to ITTF for publication. SC22 N2232 refers as the ballot summary. (OPEN until receipt by ITTF is confirmed.) (Rolled over from 9705-40, 9710-12, 9804-04)

CLOSED - New DIS was initiated and closed 99-06-25.

9901-03 All Project Editors - Ensure they have or obtain the current copy of their documents' source, for archive purposes. (Rolled over from 9705-46, 9710-13, 9804-05)

CLOSED - Keld Simonsen, Don Folland, Jim Oblinger, Casey Schaufler, Michael Gonzales, Shane McCarron, Martin Kirk, Jay Ashford, Ted Baker

OPEN - Stephe Walli, Norm Aaronson, Barry Hedquist

Action (Convener): Contact Msrs. Walli, Aaronson and Hedquist to locate copies of the missing documents.

9901-04 Project Editor (Stephe Walli) -- Complete disposition of comments on Extensions to base (.1a) PDAM5. (rolled over from 9710-38, 9804-09)

CLOSED - Report submitted to Convener

9901-05 U.S. -- Forward the appropriate draft of CD 13210 Test Methods, when available, to the SC22 secretariat for DIS ballot. (rolled over from 9710-41, 9804-10)

CLOSED - FDIS 13210 ballot in progress.

9901-06 Denmark to address Japan's concerns expressed in N759 on the Cultural Convention Specifications. (rolled over from 9804-13)

OPEN - no report received

9901-07 Andrew Josey to sort e1247, e1221, e1220, e1219, e1218, e1217, e1216, e1215, e1204, e1194, e1193, e1163, e1158, e1157 into a single record of response and forward them to Keld to mount on the WG15 web site, and to continue doing this on an annual basis. (rolled over from 9804-21)

OPEN - Andrew Josey is requested to retransmit the material

9901-08 All Member Bodies to review and Comment on N768 (LIS Techniques) by August 1. (rolled over from 9804-24)

CLOSED - see N772.

9901-09 Convener and US to suggest that material being developed for P1494 and ISO 14766 is ready to become a draft document; and has been jointly developed. An appropriate copyright statement needs to be developed for such drafts. (rolled over from 9804-26)

OPEN - Note: Keld Simonsen is attempting to obtain written confirmation from IEEE that the proposed copyright statement is acceptable.

9901-10 Denmark and Japan Member Bodies -- Provide feedback on Draft Disposition of Comments for IEEE 1003.2b (JTC1.22.41), prior to the meeting to be called by the Project Editor. WG15 encourages this feedback to be provided by 01 February 1999. History(R 96-334) after a review by the U.S., Japan, and Denmark Member Bodies. A proposed record of response has been received via email in WG15 N754. An editing meeting

must now be held via conference call or email. (See 9705-10.) (Rolled over from 9605-53, 9610-18, 9705-10, 9705-39 and 9710-03.)

CLOSED - Electronic balloting meeting was held. Input was received from Denmark. Comments were not received from Japan.

9901-11 Convener -- Ensure that Project Editing meeting is held promptly to resolve issues on Draft Disposition of Comments for IEEE 1003.2b (JTC1.22.41). History(R 96-334) after a review by the U.S., Japan, and Denmark Member Bodies. A proposed record of response has been received via email in WG15 N754. An editing meeting must now be held via conference call or email. (See 9705-10.) (Rolled over from 9605-53, 9610-18, 9705-10, 9705-39 and 9710-03.)

CLOSED

9901-12 All Project Editors -- Submit current copy of their document source to Keld Simonsen for archiving on the restricted WG15 web site. This is an archival copy only. The Project Editors retain responsibility to manage the source of their documents.

CLOSED - Keld Simonsen (14766)

Don Folland (14252-.0)

Jim Oblinger (.10, .13)

Michael Gonzales (.1j)

Jay Ashford (15068-2)

OPEN - Jim Oblinger (.8)

Stephe Walli (.1d received,.1a, .1b, .1c, .1g)

Casey Schaufler (.1e, .2c)

Norm Aaronson (.14)

Shane McCarron (2003.2)

Martin Kirk (15068-3, 15068-4, 15879)

Ted Baker (.5-14519, .5b-14519)

Barry Hedquist (13210, 14515-1, 14515-2)

Pat Place (.21-18011)

Action (Convener): Create a new Standing Document (SD) which is cross reference table of Project Editors and required archival documents.

9901-13 Project Editor for DAM 4 to 9945-1 -- Prepare and submit Disposition of Comments for DAM 4 to 9945-1 (P1003.1g), and submit the resulting copy of DAM4 for Final DAM ballot. This Disposition of Comments report should include a note stating that while a Final DAM ballot would not be required, the Project Editor recommends that a such a ballot be conducted due to the extensive revisions required to resolve the comments on the previous ballot.

OPEN - no report received from Project Editor (Stephe Walli)

9901-14 Lead Rapporteur of REV -- Raise the remaining open items on the WG15 Issues List (Issues 3, 8, 9, 10) for possible resolution.

CLOSED - Issues list is being posted to REV.

9901-15 WG15 Liaison to WG14 -- Prepare a response to the WG14 proposal to jointly work on the registration of C and POSIX locales. See e1328.

CLOSED - see WG15 N785.

9901-16 All Member Bodies -- Nominate candidates for membership in the REV Rapporteur Group

CLOSED. Nick Stoughton (UK), Don Cragun (US), David Blackwood and Glen Seeds (Canada) were nominated.

9901-17 All Member Bodies -- Nominate candidates for membership in the RPC Rapporteur Group

CLOSED - Nick Stoughton and Andrew Josey (UK), Roger Martin (US), David Blackwood (Canada)

9901-18 All Member Bodies -- Review FCD 14651 (SC22 N2844) on sorting, and FCD 14652 (SC22 N2869) on cultural

conventions (locales), and submit comments by 1 April 1999 to the WG20 Liaison (Keld).

CLOSED - SC22 N2933 (sorting) and SC22 N2955 (locales) ballots are in process in SC22.

9901-19 US -- Have the US development body call a meeting of the P1494 working group for the two days immediately preceding the next WG15 meeting that is co-located with PASC, and reserve a room for that P1494 meeting.

OPEN - The meeting was not held.

9901-20 US -- Have the US development body provide electronic copies of the current source text of P1003.18 and P1003.23, and make those electronic copies available to the P1494 editor (Keld Simonsen) by 1 March 99.

OPEN - P1003.18 has not been provided. The US expects to provide P1003.23 by the end of July, 1999.

9901-21 UK & US -- Identify resources available to progress IEEE Std 1003.23 as an ISO fast track, and recommend the appropriate course of action for progressing this document.

CLOSED - Convener to poll MBs to determine if sufficient support exists for fast tracking IEEE Std 1003.23.

9901-22 Convener -- Ensure that documents identified in resolution 99-404 are forwarded as instructed.

OPEN .lg - awaiting Disposition of Comments

.1a - open

.1d - forwarded

2003.1b - open

.10 – editing changes underway

.13 – editing changes underway

.21 - forwarded

9901-23 Convener -- Report the formation of new rapporteur groups designated resolution 99-406 to SC22 for their information.

CLOSED

9901-24 Convener -- Report on resolution 99-409 to SC22 and seek its advice on those matters.

CLOSED

2.0 Status, Liaison and Action Item Reports

2.1 Issues List (SD3)

Issue 3 (pax -e) -- Open.

Action (Canada): Recommend action to the Austin Group for resolving Issue 3

Issue 8 (Localedef User specified collation weight names) -- OPEN

Action (Japan): Notify WG15 by the next meeting if Issue 8 should remain open. If yes, provide input for resolving this issue. If no, or there is no response, then the Issue 8 will be closed.

Action (Convener): Submit an updated copy of the SD-3 (Issues List) for posting on the WG15 web site.

Issue 9 (LC_CTYPE extensions) -- OPEN.

Action (Keld Simonsen, Japan): Review Issue 9 and provide written input to the REV (Revision Rapporteur Group).

Issue 10 (Range expression dependency) -- OPEN.

The issue was raised that the proposal may be an obsolete way of addressing this issue.

Action (Canada): By 31Dec99, provide a written proposal to REV to resolve Issue 10.

2.2 JTC1 Actions Affecting Group

No actions expected.

2.3 SC22 Action, Convener Report

Covered in Convener's Action Item Report (N791)

2.4 Report on IEEE PASC Standards Projects

The most recent version of SD11 available electronically.

2.5 Liaison & Working Relationship Reports

2.5.1 WG9 - Ada

No report submitted.

2.5.2 WG11 - Cross Language

No report submitted. A recommendation was accepted to terminate this Liaison.

2.5.3 WG20 - I18N

No report submitted.

2.5.4 WG21 - C++

No report submitted. A recommendation was accepted to terminate this Liaison

2.5.5 WG22 - C Language

No report submitted.

2.5.6 TOG (CategoryC)

Andrew Josey presented N787. An MOU has been signed between IEEE and TOG regarding the Austin Group. The first internal ballot has been completed and work is progressing well. An issue was raised about a possible conflict between TOG/IEEE/ISO document styles and ISO section numbering.

The Austin Group website is "<http://www.opengroup.org/austin/>". Anyone wanting access to the draft needs to sign up to get a password (see the website for details.)

Action (Member Bodies): Review and comment regarding Style Issues arising from draft 1 of the Austin Group revision document.

2.6 Editors Reports

N790 contains editor reports from Michael Gonzales and Jim Oblinger. No other reports were received. A discussion followed on the importance of the Project Editor reports and missing reports make it very difficult for WG15 to carry out its work.

All Project Editors are reminded that a Project Editor Report must be submitted in writing to the Convener NO LATER THAN 30 days prior to an announced WG15 Meeting.

Action (Convener): Remind all WG15 Project Editors that a written report on all projects is required 30 days prior to a WG15 meeting.

Action (Project Editors): Submit a written report to the Convener no later than 99-09-01.

2.7 Defect Reports/Interpretations & Corrigenda

Nothing to report.

3.0 Specific Actions For This Meeting

4.0 Actions Arising From Reports

4.1 Rapporteur Group Reports

REV - Nick Stoughton reported that Draft 1 of the revisions has been published and is undergoing an internal vote. This draft is available and MBs are encouraged to review it.

RPC - A review of the draft proposed joint procedures is being conducted. Comments will be submitted to the upcoming JPC (Joint Procedures Committee) meeting.

5.0 Project Activities – Registration, Balloting, Content

5.1 9945-3 LIS System Interface

Keld Simonsen reported that the work of the Austin Group and the passage of time has overcome the need for the LIS project. Therefore, he proposes the withdrawal of this project (see proposed Resolution 99-424).

Action(Project Ed 9945-3): Submit a "core dump" to REV regarding LIS standardization efforts.

5.2 9945-2 Shell & Utilities

5.2.1 22.41 Additional Utilities (1003.2b)

5.2.2 22.21.02.03 Batch Amendment (1003.2d)

5.3 15068 Administered Systems

Action(Convenor): Remind SC22 Secretary that the Print Administration work item (22.21.03.03) should be withdrawn by SC22.

5.4 9945-1 C Language Bindings

Keld Simonsen raised the issue that there are incompatibilities between the C Language Revision which is in final ballot and the POSIX standards and locales. Proposed resolution 99-419 was drafted in an attempt to make sure that these incompatibilities do not exist in the final approved revision. There was discussion whether this should be dealt with as a ballot objection or a Defect Report. It was decided to pursue both in order to make sure the necessary corrections are made.

Action (Member Bodies): Raise the issue of the C Revision which introduces incompatibilities with the POSIX standard and locales to their SC22 and WG14 advisory bodies to request that they take the steps necessary to get the C standard corrected to maintain compatibility between the C and POSIX standards.

Action (US): Prepare a Defect Report regarding the C Standard incompatibilities with POSIX standard and locales and distribute to the WG15 reflector by 8/15/99.

Action(US): Send copies of the most recent versions of 9945-1 and 9945-2 to the WG14 Convenor for the purpose of WG14 coordination and review.

5.4.1 22.39 Additional System Services (P1003.1a)

No discussion.

5.4.2 22.21.40 Additional Real Time Extensions (P1003.1d)

No discussion.

5.4.3 22.21.01.03.03 Protocol Independent Interfaces (P1003.1g)

No discussion.

5.4.4 22.21.04.01.01 Advanced Real Time Extensions (P1003.1j)

No discussion.

5.5 14519 Ada Language Bindings

No discussion.

5.6 13210, 14515-x Test Methods

5.6.1 22.37 CD13210 Test Methods (2003R)

Reaffirmation of 13210 is underway. The ballot closes September, 1999

5.6.2 14515-1 Test Methods for 1003.1 (2003.1)

5.6.2.1 14515-1 Test Methods for 1003.1b (2003.1b)

No discussion.

5.7 Guide For National Profiles and Locales

Canada (see N789) noted that the work of the joint P1494/ISO 14766 National Profiles and Locales groups is not progressing as quickly as it should because no meeting of P1494 group has been called since July 1997. Although Canada requested that a room be reserved and a meeting called for the P1494 working group for the two days immediately preceding this WG15 meeting, notice of the meeting was not sent out until one week before the meeting date. Consequently only one person attended. Canada also noted that electronic copies of the latest available text of

the .18 and .23 working groups has not been submitted to the joint working group (Austin Group) for possible use in the P1494/ISO 14766 document.

5.8 22.15287 OSE Profile Projects

Action(Keld Simonsen): Submit statement to WG15 clarifying relationship between 14766, 14652, and 15897.

5.9 Realtime Distributed System Communications (P1003.21)

No discussion.

5.10 Completed Work and Year for Revision/Reaffirmation/Withdrawal (4 yr)

5.10.1 22.38 TR14252 Guide To POSIX OSE (TR1996)

No discussion.

6.0 New Business

6.1 Possible New Work Item for .1s and .5h

The US reported that the development body has proposed a division of the work item for .1j (22.21.04.01.01) to create a separate project to address “synchronized clock”. After a lengthy discussion, WG15 declined to take up this issue at this time for two reasons:

1. Lack of timely notification and adequate information with which to form a decision.
2. Recognition that the SC22 and WG15 processes cannot possibly be completed by the end of April 2000. Under optimum circumstances it is anticipated that the minimum completion time is at least one year.

WG15 will address requests for action on this issue when they are received.

7.0 Review/Approval

7.1 Resolutions

The following resolutions were approved for WG15 45-day electronic ballot.

(Draft) RES 99-415 WG15 Vice Chair

Resolved that the JTC1/SC22/WG15 Convenor shall be the standing vice-chair of WG15.

(Draft) RES 99-416 User OSE Profiles Guide

JTC1/SC22/WG15 resolves to forward IEEE Guide for Developing User OSE Profiles (IEEE 1003.23-1998) to SC22 for Fast Track balloting.

(Draft) RES 99-417 Dissolution of Liaison to WG11

Whereas Mr. Willem Wakker has served as liaison from JTC1/SC22/WG15 to JTC1/SC22/WG11 (Cross Language), and

Whereas that liaison is no longer required,

Therefore JTC1/SC22/WG15 dissolves the liaison with JTC1/SC22/WG11 (Cross Language), and thanks Mr. Willem Wakker for his long service in this role.

(Draft) RES 99-418 Dissolution of Liaison to WG21

Whereas Prof Nobuo Saito has served as liaison from JTC1/SC22/WG15 to JTC1/SC22/WG21 (C++), and
Whereas that liaison is no longer required,

Therefore, JTC1/SC22/WG15 dissolves the liaison with JTC1/SC22/WG21, and thanks Professor Saito for his long service in this role.

(Draft) RES 99-419 C Language Incompatibilities

Whereas a draft standard revising the C Language is currently in FDIS ballot in JTC1, and

Whereas this draft standard contains language which appears to be incompatible with the version of the C Locale specified in 9945-1 and 9945-2, and

Whereas the developers of the previous version of the C standard worked closely with the US development body for 9945-1 and 9945-2 to ensure that the Locales would be fully compatible, but failed to do so for this

revision,

Therefore, JTC1/SC22/WG15 requests JTC1, JTC1/SC22 and JTC1/SC22/WG14 to take appropriate corrective action to realign the C and POSIX locales, and to hold the FDIS ballot open until such time as the noted incompatibilities are resolved.

(Draft) **RES 99-420 Registration of POSIX Locale**

JTC1/SC22/WG15 resolves to forward ISO/IEC JTC1/SC22/WG15 the POSIX locale and narrative cultural specification contained in document N785 to SC22 for registration with ISO/IEC 15897.

(Draft) **RES 99-421 Project Editors Reports**

Whereas JTC1/SC22/WG15 has a large number of documents assigned to a large group of editors, and
Whereas regular reports from these editors are essential to the conduct of business within
JTC1/SC22/WG15,

Therefore, JTC1/SC22/WG15 respectfully requests that all project editors for work assigned to this working group submit a written report on the work assigned to them thirty days before any formal plenary meeting of JTC1/SC22/WG15.

(Draft) **RES 99-422 Project Extension**

Whereas the development body has spent much time and effort resolving international comments against POSIX.2b, and

Whereas a new draft of this standard is now available for FPDAM ballot, and

Whereas the normal life of this project is about to expire,

Therefore JTC1/SC22/WG15 requests that SC22 extend the life of this project accordingly.

(Draft) **RES 99-423 Forwarding of Documents for FPDAM Ballot**

JTC1/SC22/WG15 advises JTC1/SC22 that the following documents are ready for FPDAM ballot and requests that these ballots be conducted as expeditiously as possible:

P1003.1j/D09 (Advanced Realtime Extensions)

P1003.2b/D12 (Additional Utilities)

(Draft) **RES 99-424 Withdrawal of Work Item 9945-3**

Whereas division of work 22.21.01.01, LIS System Interface (9945-3) has made little progress in the recent years, and

Whereas a project is now underway to revise 9945-1 and 9945-2, and

Whereas there seems little interest in getting this project completed,

Therefore JTC1/SC22/WG15 requests JTC1/SC22 to withdraw the corresponding work item, and
JTC1/SC22/WG15 further thanks Mr Keld Simonsen for his untiring efforts on this work, and requests that he ensures that the work is appropriately archived with the JTC1/SC22/WG15 webmaster.

7.2 Action Items

OPEN Action Items carried forward from previous meeting

9907-01 (All Project Editors) - Ensure they have or obtain the current copy of their documents' source, for archive purposes. (Rolled over from 9705-46, 9710-13, 9804-05, 9901-03) --

CLOSED - Keld Simonsen, Don Folland, Jim Oblinger, Casey Schaufler, Michael Gonzales, Shane McCarron, Martin Kirk, Jay Ashford, Ted Baker

OPEN - Stephe Walli, Norm Aaronson, Barry Hedquist

9907-02 (Denmark) to address Japan's concerns expressed in N759 on the Cultural Convention Specifications.
(rolled over from 9804-13, 9901-06)

9907-03 (Andrew Josey) to sort e1247, e1221, e1220, e1219, e1218, e1217, e1216, e1215, e1204, e1194, e1193, e1163, e1158, e1157 into a single record of response and forward them to Keld to mount on the WG15 web site, and to continue doing this on an annual basis. (rolled over from 9804-21, 9901-07)

9907-04 (Convener and US) to suggest that material being developed for P1494 and ISO 14766 is ready to become a draft document; and has been jointly developed. An appropriate copyright statement needs to be developed for such drafts. (rolled over from 9804-26, 9901-09)

9907-05 (All Project Editors)-- Submit current copy of their document source to Keld Simonsen for archiving on the restricted WG15 web site. This is an archival copy only. The Project Editors retain responsibility to manage the source of their documents. (rolled over from 9901-12)

CLOSED Keld Simonsen (14766)
Don Folland (14252-.0)
Jim Oblinger (.10, .13)
Michael Gonzales (.1j)
Jay Ashford (15068-2)

OPEN Jim Oblinger (.8)
Stephe Walli (.1d received,.1a, .1b, .1c, .1g)
Casey Schaufler (.1e, .2c)
Norm Aaronson (.14)
Shane McCarron (2003.2)
Martin Kirk (15068-3, 15068-4, 15879)
Ted Baker (.5-14519, .5b-14519)
Barry Hedquist (13210, 14515-1, 14515-2)
Pat Place (.21-18011)

9907-06 (Project Editor for DAM 4 to 9945-1) -- Prepare and submit Disposition of Comments for DAM 4 to 9945-1 (P1003.1g), and submit the resulting copy of DAM4 for Final DAM ballot. This Disposition of Comments report should include a note stating that while a Final DAM ballot would not be required, the Project Editor recommends that a such a ballot be conducted due to the extensive revisions required to resolve the comments on the previous ballot. (rolled over from 9901-13)

9907-07 (US) -- Have the US development body call a meeting of the P1494 working group for the two days immediately preceding the next WG15 meeting that is co-located with PASC, and reserve a room for that P1494 meeting. (rolled over from 9901-19)

9907-08 (US) -- Have the US development body provide electronic copies of the current source text of P1003.18 and P1003.23, and make those electronic copies available to the P1494 editor (Keld Simonsen) by 1 March 1999. (rolled over from 9901-20)

9907-09 (Convener)-- Ensure that documents identified in resolution 99-404 are forwarded as instructed. (rolled over from 9901-22)

New Action Items arising from this previous meeting

9907-10 Action (Convener): Research rules regarding Working Group meeting quorum requirements and the ability of a Working Group to conduct business.

9907-11 (Convener): Initiate a review of SD6. Any names not confirmed should be dropped.

9907-12 (Convener): Create a new Standing Document (SD) which is cross reference table of Project Editors and required archival documents.

9907-13 (Convener): Create a new Standing Document (SD) which is cross reference table of Project Editors and required archival documents.

9907-14 (Convener): Contact Mssrs. Walli, Aaronson and Hedquist to locate copies of the missing documents needed to close A.I. 9907-01.

9907-15 (Member Bodies): Provide input to REV on any implementation of alternative command syntax for the “dd” command.

9907-16 (Canada): Recommend action to the Austin Group for resolving Issue 3

9907-17 (Japan): Notify WG15 by the next meeting if Issue 8 should remain open. If yes, provide input for resolving this issue. If no, or there is no response, then the Issue 8 will be closed.

9907-18 (Convener): Submit an updated copy of the SD-3 (Issues List) for posting on the WG15 web site.

9907-19 (Keld Simonsen, Japan): Review Issue 9 and provide written input to the REV (Revision Rapporteur Group).

9907-20 (Canada): By 31Dec99, provide a written proposal to REV to resolve Issue 10.

9907-21 (Member Bodies): Review and comment regarding Style Issues arising from draft 1 of the Austin Group revision document.

9907-22 (Convener): Remind all WG15 Project Editors that a written report on all projects is required 30 days prior to a WG15 meeting.

9907-23 (Project Editors): Submit a written report to the Convener no later than 99-09-01.

9907-24 (Project Ed 9945-3): Submit a “core dump” to REV regarding LIS standardization efforts.

9907-25 (Convener): Remind SC22 Secretary that the Print Administration work item (22.21.03.03) should be withdrawn by SC22.

9907-26 (Member Bodies): Raise the issue of the C Revision which introduces incompatibilities with the POSIX standard and locales to their SC22 and WG14 advisory bodies to request that they take the steps necessary to get the C standard corrected to maintain compatibility between the C and POSIX standards.

9907-27 (US): Prepare a Defect Report regarding the C Standard incompatibilities with POSIX standard and locales and distribute to the WG15 reflector by 8/15/99.

9907-28 (US): Send copies of the most recent versions of 9945-1 and 9945-2 to the WG14 Convenor for the purpose of WG14 coordination and review.

9907-29 (Keld Simonsen): Submit a statement to WG15 clarifying the relationship between 14766, 14652, and 15897.

9907-30 (Convener): Initiate a 45-day Letter Ballot to approve the proposed meeting resolutions.

9907-31 (Convener) Poll MBs to determine if sufficient support exists for fast tracking IEEE Std 1003.23.

Additional Action Items arising from Resolutions

9907-32 (Convener) Forward IEEE Guide for Developing User OSE Profiles (IEEE 1003.23-1998) to SC22 for Fast Track balloting.

9907-33 (Convener) Forward the POSIX locale and narrative cultural specification (WG15 N785) to SC22 for registration with ISO/IEC 15897.

9907-34 (Convener) Request SC22 extend the life of the POSIX.2b project (22.41) to allow it to complete its work which is entering FPDAM ballot. (See draft Res 99-442)

9907-35 (Convener) Forwarding the following documents to SC22 for FPDAM ballot and requests that these

ballots be conducted as expeditiously as possible (see draft RES 99-423):

P1003.1j/D09 (Advanced Realtime Extensions)

P1003.2b/D12 (Additional Utilities)

9907-36 (Convener) Request SC22 to withdraw 22.21.01.01 (LIS System Interface). (see draft Res 99-424)

9907-37 (Keld Simonsen) Submit 22.21.01.01 (LIS System Interface) documents to the JTC1/SC22/WG15 webmaster for archiving.

7.3 Issues List

No new Issues. Issues 3, 8, 9, and 10 remain Open.

8.0 Closing Process

8.1 Future Meeting Considerations

The next meeting of WG15 will be either in May 2000 in conjunction with an Austin Group meeting, or September 2000 with the SC22 Plenary in Japan.

8.2 Document Number Assignment

N785 POSIX Locale for Registration

N786 UK Action Item Report

N787 TOG Liaison Report

N788 US Action Item Report

N789 Canadian Action Item Report

N790 WG15 Project Editors Report

N791 Convener Action Item Report

N792 Minutes of ad hoc meeting on ISO 14766

N793 Agenda for next meeting

8.5 Thanks To Host

The following motion was unanimously approved:

WG15 thanks Bell Canada for providing the meeting room and facilities, and Standards Council of Canada for hosting an excellent dinner. Thanks are also extended to Mr David Blackwood for chairing the meeting, Mr Roger Martin (US) for acting as secretary, and Mr Nick Stoughton (UK) and Mr Lowell Johnson (US) for acting as drafting committee.

9.0 Adjournment

...submitted by Roger Martin....11 Aug 99