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Secretariat: USA (ANSI)

Title: Minutes of the SQL/OLB FCD Continuation Editing Meeting
Loenen a/d Vecht, Netherlands, Oct 4 - 15, 1999

Author: Paul Cotton (Canada)

Status: Output document from SQL/OLB Editing Meeting

The meeting started at 9:00 AM on Monday October 4, 1999 at James Martin & Co. in Loenen a/d Vecht, Netherlands. . Stephen Cannan was in the chair.

1 Introduction Of Participants

Phil Brown	(UK)
Charles Campbell	(USA)
Stephen Cannan	(Netherlands) WG3 Convenor
Paul Cotton	(Canada)
Dan Coyle	(USA)
Hugh Darwen	(UK)
Rüdiger Eisele	(Germany) (attended Mon-Fri Oct 4-8)
Mark Greaves	(UK) (attended on Wed-Thu October 13-14)
Lex De Han	(Netherlands) (attended on Thu Oct 14)
Helge Jacobsen	(Germany) (attended on Thu Oct 14)
Krishna Kulkarni	(USA)
Jim Melton	(USA) Project Editor
Peter Pistor	(Germany)
Takaaki Shiratori	(Japan)
Masashi Tsuchida	(Japan)

2 Distribution Of Documents

All participants either had or were provided with all documents on the document register.

3 Selection Of Secretary And Resolution Recorder

Paul Cotton agreed to record the minutes. RTM-018R1 was tabled by Jim Melton as a draft disposition of the SQL/OLB ballot comments..

It was agreed that these minutes (WG3 SAF-014), a revised version of disposition of the SQL/OLB comments document (WG3 SAF-016), and a revised text for SQL/OLB would document the results of this FCD continuation editing meeting.

Jim Melton agreed to record the resolutions of the editing meeting.

4 Approval Of Agenda

The original agenda for this meeting was published as SC32/WG3 N0023. The agenda was amended to include all of the tabled papers.

The final agenda can be found in Appendix A. The final document register can be found in Appendix B.

5 Administrative Matters

5.1 Calling notice for OLB Continuation Editing Meeting (SC32 N0317) (RTM-021)

Noted.

5.2 Minutes of ISO 9075-10 SQL/OLB FCD Editing Meeting, Matsue (SC32 N00289, RTM-016)

Noted.

5.3 FCD 9075-10 SQL/OLB Interim FCD Text (RTM-014)

Noted.

5.4 FCD 9075-10 SQL/OLB Interim Disposition of Comments (RTM-018R1)

Noted.

5.5 Groundrules for the editorial revision of OLB (RTM-020)

This paper includes the groundrules from WG3 YGJ-110 and some additional items proposed by the Hugh Darwen (those numbered 26 and higher). Some of the recommendations in YGJ-110 were NOT implemented by the Editor as noted in his email of June 15 (see RTM-084).

Hugh Darwen has also provided editorial direction to implement some of suggestions in RTM-020.

Hugh Darwen, Dan Coyle, and Chuck Campbell continued this editorial work during this editing meeting and the result was RTM-103R1 (see agenda item 7.44).

Action item: Hugh Darwen will post RTM-103R1 and will continue to post additional files to the TEMPdocs directory in order to assist the Editor with editorial work on SQL/OLB.

5.6 Convenor's Definition of Consensus

The Convenor stated that a simple majority would be used to decide a paper that simply fixes a problem.

But the Convenor felt that for papers that remove or add new functionality, a consensus will be defined to be a majority of at least two votes. The Convenor will take into consideration any abstentions in determining the minimum number of yes votes in order to define a consensus. The Convenor would like a majority of the countries present to be voting Yes in this case.

6 National Body Opening Comments

Canada

Canada is disappointed with the lack of papers to resolve the outstanding SQL/OLB ballot comments. While Canada appreciates the USA apology for its lack of progress on this front but appeals to the meeting to derive a public plan for how to resolve the remaining 67 ballot comments.

Germany

Germany is very interested in a swift progression of SQL/OLB. We believe that the papers on the table represent a reasonable set of functionality, and that we should concentrate now on resolving the remaining problems.

Japan

No opening comments.

Netherlands

Netherlands is disappointed that there are papers available to address less than 20% of the remaining SQL/OLB ballot comments. Netherlands believes that the Matsue plan for another continuation editing meeting will regretfully be required.

United Kingdom

UK needs agreeable resolution of the UK comment expressed in #073 and #074 of RTM-018r1 before we can agree to submission for FDIS ballot. We see little chance of achieving such resolution in Loenen but we are hoping to make good progress by reconvening the subcommittee established in Matsue and collaborating with SQLJ experts to carry out some of the general suggestions mentioned in RTM-020.

USA

USA, like all other national bodies, was happy with the progress made at the SQL/OLB FCD editing meeting at Matsue, even though more than half of the comments remained unresolved. While USA has continued its efforts to work on the remaining comments, it regrets that it has submitted only three papers for this meeting (RTM-059, 060, and 061).

However, we have quite a few papers being prepared by a number of US experts as we speak, and they will be tabled as soon as possible. US apologizes to other national bodies for the short notice on these papers and requests their indulgence in this matter. Though we are confident that we will make a substantial progress at this meeting also, USA would like to request the Editing meeting to recommend another continuation editing meeting in the event the meeting does not succeed in closing all the ballot comments.

7 Resolution of Ballot Comments

7.1 Seq#006 (CAN-P10-003) (RTM-104)

RTM-104 was amended as follows:
a) in SQL/OLB Subclause 6.8 "Customization interface", change the last paragraph "Documentation for this interface", so that it reads" This interface is specified in ..."
b) in SQL/OLB Subclause 11.2.2.3.15 "isDefinedRole(int)", in the function description, change "documentation" with "specification".

RTM-104 as amended was adopted unanimously and resolves the following ballot comments:
a) Seq#006 CAN-P10-003 see also RTM-061
b) Seq#085 DEU-P10-018
c) Seq#088 GBR-P10-004

7.2 Seq#008 (GBR-P10-009) (RTM-105R1)

RTM-105R1 was amended as follows:
a) the Editor agreed to implement this paper without reference to "-99" and in the BNF to use the "as defined in ISO/IEC 9075-x" form of a reference
b) the Editor agreed to add an amendment to the Editor's Notes on typography to explain the use of bolding in SQL/OLB.

RTM-105R1 completes the resolution of the following ballot comments:
a) Seq#008 GBR-P10-009
b) Seq#010 DEU-P10-001
c) Seq#017 CAN-P10-006
d) Seq#024 CAN-P10-011
e) Seq#029 CAN-P10-014 see also agenda item 7.33 RTM-059
f) Seq#037 CAN-P10-015
g) Seq#087 DEU-P10-019
h) Seq#119 USA-P10-030
i) Seq#100 GBR-P10-001

In addition RTM-105R1 partially resolves the following ballot comments:
a) Seq#014 USA-P10-002

b) Seq#081 USA-P10-017
c) Seq#101 GBR-P10-020
d) Seq#104 KOR-P10-002
e) Seq#111 USA-P10-028

7.3 Seq#009 (USA-P10-001) (RTM-078) (RTM-077)

For RTM-078 see also agenda item 7.24.

RTM-077 was amended as follows:
a) in proposal part 8.9, <executable clause>, first bullet, replace "<execution context>" with "execution context object".

For: Canada, Japan, Netherlands, UK, USA
Against: None
Abstain: Germany

RTM-077 was adopted (5-0-1).

It was deemed that this ballot comment was resolved by the combination of RTM-078, RTM-077 and RTM-061.

Jim Melton will add a Possible Problem as supplied by Paul Cotton to indicate that the SQL Feature Annex and possibly the Conformance clause should be updated to describe the optional SQLJ features not in "Core SQLJ".

7.4 Seq#010 (DEU-P10-001)

See agenda item 7.2.

7.5 Seq#014 (USA-P10-002) (RTM-105)

See also agenda item 7.09.

Remains open as an SAFLO to permit solution to the interaction of SQL/OLB with such non-Core features as <cursor sensitivity>, <cursor holdability> and <cursor returnability>

7.6 Seq#016 (GBR-P10-013)

Partially addressed by RTM-091 and YGJ-093. Remains open as an SAFLO.

7.7 Seq#017 (CAN-P10-006) (RTM-105)

See agenda item 7.2.

7.8 Seq#024 (CAN-P10-011) (RTM-105)

See agenda item 7.2. See also agenda item 7.24.

7.9 Seq#025 (CAN-P10-012) Seq#027 (USA-P10-003) (RTM-061)

Amended as following:
a) In proposal part 4.2, insert a new change item 0: 0) Insert a new first sentence in the lead-in paragraph of Subclause 15.1 saying “A claim of conformance to this part of ISO/IEC 9075 does not require a claim of conformance to Core SQL (but see Subclause 15.3, “The SQLJ Subset”).”. Also, tag that paragraph to say “Insert this paragraph”.

Action item: Jim Melton will investigate if the SQL/OLB or SQL/Foundation Object Identifier needs to be modified to take into account the SQL/OLB conformance as defined by WG3 RTM-061.

For: Canada, Japan, Germany, Netherlands, USA
Against: None
Abstain.: UK

Adopted (5-0-1) and adoption of RTM-061 resolves the following ballot comments:

a) Seq#025 (CAN-P10-012)
b) Seq#027 (USA-P10-003)

Adoption of RTM-061 also partially resolves the following ballot comments:
a) Seq#014 USA-P10-002 (see agenda item 7.5)
b) Seq#065 CAN-P10-005 (see agenda item 7.16)

7.10 Seq#026 (JPN-P10-001)

Open.

7.11 Seq#028 (USA-P10-004)

Open.

7.12 Seq#029 (CAN-P10-014) (RTM-105)

See agenda item 7.2.

7.13 Seq#030 (GBR-P10-014 (RTM-091)

Adopted unanimously.

7.14 Seq#031 (DEU-P10-003)

Remains open as an SAFLO.

7.15 Seq#032 (DEU-P10-004)

Open.

7.16 Seq#036 (USA-P10-005) Seq#080 (USA-P10-031) (RTM-060)

Only Sections 2.1 and 2.3 were proposed by USA.

Amended as follows:
a) In change proposal 2.1.1, replace “translation” with “SQLJ translation”; then throughout the base document, apply this change (and other closely-related changes!).
b) In change proposal 2.1.1, definitions a) and b), replace “DBMS-specific” with “implementation-specific” and replace “DBMS” with “SQL-implementation” (in the spirit of WG3:RTM-063).
c) In change proposal 2.1.1, definition b), replace “installation” with “installation (of an SQLJ application)”
d) In change proposal 2.1.1, definition b), replace “stage” with “phase”.
e) Replace definition c) with the following 2 definitions:
c) profile: A Java serialized object produced by an SQL/OLB translator, containing information regarding the input required and output generated by individual SQL statements, as well as the text of those statements. The serialized objects can then be accessed for additional processing by a customizer or by SQL/OLB runtime.
c') profile file: A file containing one or more profiles generated as a result of a SQLJ translation.
f) In SQL/OLB, Subclause 6.3, Binary Portability Requirements”, 2nd bullet (“Profile files”), append to the 1st sentence “; a profile file contains profiles for a single SQLJ application”.

Adopted unanimously as amended and this resolves the following ballot comments:
a) Seq#036 USA-P10-005
b) Seq#080 USA-P10-031

Seq#098 CAN-P10-036 (see agenda item 8.5) is also addressed but not resolved by RTM-060.

7.17 Seq#037 (CAN-P10-015) (RTM-105)

See agenda item 7.2.

7.18 Seq#040 (DEU-P10-008)

Remains open as an SAFLO.

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7.19 Seq#041 (DEU-P10-009)

Open.

7.20 Seq#042 (USA-P10-006)

Open.

7.21 Seq#043 (GBR-P10-016) (RTM-085)

The Editor will align the Normative References in SQL/OLB to also refer to the UNICODE Consortium document. Several editorial changes were given to the editor e.g. (change SQL-99 server to SQL-server, change "SQL OLB" to "SQL/OLB").

RTM-085 was adopted unanimously and resolves the following ballot comments:
a) Seq#043 GBR-P10-016
b) Seq#044 CAN-P10-016

7.22 Seq#044 (CAN-P10-016) (RTM-085)

See agenda item 7.21.

7.23 Seq#045 (USA-P10-007)

This comment was resolved by adding the comment to the SQL/OLB Working Draft.

7.24 Seq#047 (DEU-P10-010) (RTM-078)

Amended as follows:

a) Add a new change to Subclause 7.6.11, “<implements clause>”. This new change adds a new alternative to <predefined interface class>; the new alternative is
| sqlj.runtime.Scrollable

b) In new Subclause 8.4, “Signature” portion, change “iterator declaration clause” to “<iterator declaration clause>”, then change “declarations” to “<iterator declaration clause>” and change “implements clause” to “<implements clause>”.

c) In new Subclause 8.15, “<fetch clause>”, “Code generation” section, rule 1), replace “<iterator host variable>” with “<iterator host expression>”.

d) In new Subclause 8.15, “<fetch clause>”, under “Code generation”, append a new sentence to rule 1: IE shall be an instance of a class or subclass of generated iterator class.

e) In new Subclause 8.15, “<fetch clause>”, replace proposed Code Generation 2) with:
2) Case:
a) If <selector clause> is <next selector clause>, then let IEM be next().
b) If <selector clause> is <prior selector clause>, then let IEM be prev().
c) If <selector clause> is <first selector clause>, then let IEM be first().
d) If <selector clause> is <last selector clause>, then let IEM be last().
e) If <selector clause> is <absolute selector clause>, then let IHE be the <integral host expression> and let IEM be absolute(IHE).
f) If <selector clause> is <relative selector clause>, then let IHE be the <integral host expression> and let IEM be relative(IHE).

f) In new Subclause 10.1.X.2.5, “getFetchDirection()”, change “implementation-specific” to either “sqlj.runtime.ResultSetIterator.FETCH_FORWARD” or something like “the default fetch direction as indicated in Subclause 10.1.X.2.13”. Make the corresponding change to Subclause 10.4.2.3.X, “getFetchDirection()”.

g) In new Subclause 10.1.X.2.9, “isLast()”, and 10.1.X.2.11, “previous()”, add “abstract” to the signature. (Stephen noted that there are 2 or 3 additional methods in the base document that return Boolean that fail to specify “abstract”.

h) In (at least) three places, replace “valid row” with “row”. Also, find instances of “off the result set” and improve the wording (e.g., “is positioned before the first row or after the last row of the result set”).

i) In new Subclause 10.1.X.2.11 (“previous()”), as well as in 10.1.X.2.4, “first()”, and 10.1.X.2.10, “last()”, under “Throws”, replace “getType()” with “getSensitivity()”. Then, replace “if getSensitivity() returns 0” with “if getSensitivity() would return 0 (zero) if it had been invoked instead of previous()/first()/last()”.

j) Delete new Subclause 10.1.5.2.X, “getRow”.

k) In new Subclause 10.1.5.2.X, “getSensitivity()”, replace “The type” with “The sensitivity”.

l) In new Subclause 10.2.4.3.X, “setFetchSize()”, delete “from the database”. This appears elsewhere (sometimes as “from database tables” or other variations), so be consistent...

m) In new Subclause 10.2.4.3.X, “setFetchSize”, change the heading text to be “setFetchSize(int)”. This problem occurs in several places, so track them all down.

n) In new Subclauses 10.2.4.3.X, “getFetchSize”, “setFetchSize”, and probably many other places, track down inappropriate uses of the word “default” and fix them (e.g., “current” in some places).

Adopted unanimously as amended and this resolves the following ballot comments:
a) Seq#047 (DEU-P10-010)

RTM-078 partially resolves the following ballot comments:
a) Seq#009 USA-P10-001 see agenda item 7.3
b) Seq#109 USA-P10-024 see agenda item 7.66
c) Seq#024 CAN-P10-011 see agenda item 7.8

Action item: Dan Coyle will research the significance of the GetSensitivity() method returning zero as proposed in WG3 RTM-078. In particular the meaning of the return value of the GetSensitivity() method for non-scrollable result sets needs to clarified. The importance of testing the GetSensitivity() (aka GetType()) return value in methods such as previous() in the scrollable interface also needs to be investigated.

Action item: Dan Coyle will research whether the difference implied between invoking next() and relative(1) in WG3 RTM-078 when there is no current row (e.g. the position is before the first row) is significant or not. The same question is applicable to prior() and relative(-1) when there is no current row (e.g. the position is after the last row).

7.25 Seq#048 (USA-P10-008)

Remains open as an SAFLO.

7.26 Seq#049 (DEU-P10-011)

Open.

7.27 Seq#053 (DEU-P10-014)

Remains open as an SAFLO.

7.28 Seq#054 (CAN-P10-017)

Canada recommend that we enter an SQL-200n Language Opportunity to request a more concrete specification of the STATEMENT Role in Table 2—Association of roles with SQLJ <executable clause>s. This specification will clearly

state the "class" of SQL-statements that this Role covers e.g. embeddable SQL-statement, preparable SQL-statements, etc.

Seq#054 CAN-P10-017 was resolved with no further changes to the base document.

7.29 Seq#055 (CAN-P10-018) (RTM-079)

Adopted unanimously and partially resolves the following ballot comments:
a) Seq#055 CAN-P10-018
b) Seq#058 USA-P10-010 see agenda item 7.32
c) Seq#059 USA-P10-011 see agenda item 7.33
d) Seq#091CAN-P10-029 see agenda item 7.58
e) Seq#106 USA-P10-021 see agenda item 7.65

Remains open as an SAFLO.

7.30 Seq#056 (CAN-P10-019)

Remains open as an SAFLO.

7.31 Seq#057 (CAN-P10-020)

Remains open as an SAFLO.

7.32 Seq#058 (USA-P10-010) (RTM-079)

See agenda item 7.29.

Remains open as an SAFLO.

7.33 Seq#059 (USA-P10-011) (RTM-079)

See also agenda item 7.29.

Since SQL/OLB does not yet support references types, locators and arrays it was decided to designate this as an SAF Language Opportunity (SAFLO).

7.34 Seq#060 (DEU-P10-015)

The Editor will consider doing this in the next edition of the SQL/OLB document.

Remains open as an SAFLO.

7.35 Seq#061 (JPN-P10-004) (RTM-110R1)

For: Germany, Japan, Netherlands, UK, USA
Against: None
Abstain: Canada

Canada explained its abstention was based on its concern that this ballot comment was related to Seq#'s 031, 042, 062, 081 and 082 and therefore Canada was relucant to adopt the solution in this ballot comments without considering a complete solution to this related set of ballot comments.

7.36 Seq#062 (JPN-P10-005)

Open.

7.37 Seq#065 (CAN-P10-021)

See also agenda item 7.09.

Seq#065 CAN-P10-021 was closed as a duplicate of Seq#066 CAN-P10-022.

7.38 Seq#066 (CAN-P10-022)

Open.

7.39 Seq#067 (DEU-P10-016) Seq#099 (DEU-P10-021) Seq#118 (USA-P10-026) (RTM-059)

The meeting expressed its thanks to the author of WG3 RTM-059, Chris Farrar, for providing such a complete paper to resolve these problems.

Adopted unanimously and resolves the following ballot comments:
a) Seq#067 (DEU-P10-016)
b) Seq#099 (DEU-P10-021)
c) Seq#118 (USA-P10-026)

7.40 Seq#069 (USA-P10-013)

Open.

7.41 Seq#070 (USA-P10-014)

Open.

7.42 Seq#071 (USA-P10-015)

Open.

7.43 Seq#072 (USA-P10-016)

Open.

7.44 Seq#073 (GBR-P10-017) (RTM-103R1)

The actions described in RTM-103R1 and RTM-125 provide editorial directions to partially address Seq#073. This ballot comment Seq#073 and its companion Seq#074 GBR-P10-017 (see agenda item 7.45) remain open.

7.45 Seq#074 (GBR-P10-018) (RTM-103R1)

See agenda item 7.44.

Open.

7.46 Seq#075 (CAN-P10-023) (RTM-076)

Jim Melton will enter a SQL200n OLB Language Opportunity to request support for the LOCAL keyword in <set transaction statement>.

RTM-076 was amended as follows:
a) in proposal part 3.3 and 3.4, replace DR1) with a Note "Conformance to SQL/OLB requires support only for the COMMIT/ROLLBACK optional WORK keywords."

RTM-076 was adopted unanimously as amended and resolves the following ballot comments:
a) Seq#075 CAN-P10-023
b) Seq#076 CAN-P10-024 see agenda item 7.47
c) Seq#077 CAN-P10-025 see agenda item 7.48
d) Seq#078 CAN-P10-026 see agenda item 7.49
e) Seq#079 CAN-P10-027 see agenda item 7.50

7.47 Seq#076 (CAN-P10-024) (RTM-076)

See agenda item 7.46.

7.48 Seq#077 (CAN-P10-025) (RTM-076)

See agenda item 7.46.

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7.49 Seq#078 (CAN-P10-026) (RTM-076)

See agenda item 7.46.

7.50 Seq#079 (CAN-P10-027) (RTM-076)

See agenda item 7.46.

7.51 Seq#081 (USA-P10-017) (RTM-105)

See agenda item 7.2.

Open.

7.52 Seq#082 (USA-P10-018)

Open.

7.53 Seq#083 (DEU-P10-017)

Open.

7.54 Seq#084 (GBR-P10-019)

Remains open as an SAFLO.

7.55 Seq#085 (DEU-P10-018) (RTM-104)

RTM-104 was adopted unanimously.

7.56 Seq#087 (DEU-P10-019)

See agenda item 7.2.

7.57 Seq#088 (GBR-P10-004) (RTM-104)

See agenda item 7.55.

7.58 Seq#091 (CAN-P10-029) (RTM-079)

See agenda item 7.29.

Remains open as an SAFLO.

7.59 Seq#093 (CAN-P10-031)

Open.

7.60 Seq#100 (GBR-P10-001)

See agenda item 7.2.

7.61 Seq#101 (GBR-P10-020) (RTM-105)

Remain open as an SAFLO. See also agenda item 7.2.

7.62 Seq#102 (JPN-P10-008) (RTM-101)

RTM-101 was discussed and withdrawn.

Open.

7.63 Seq#103 (JPN-P10-009) (RTM-101)

See agenda item 7.62.

Open.

7.64 Seq#104 (KOR-P10-002) (RTM-105R1)

Resolved by RTM-105R1. See agenda item 7.2.

7.65 Seq#106 (USA-P10-021) (RTM-079)

See agenda item 7.29.

Remain open as an SAFLO.

7.66 Seq#109 (USA-P10-024) (RTM-078)

See also agenda item 7.24 and RTM-079.

This comment was deemed resolved by RTM-078 and RTM-079.

7.67 Seq#110 (USA-P10-027)

Resolved by YGJ-080.

7.68 Seq#113 (USA-P10-025)

Remains open as an SAFLO.

7.69 Seq#114 (DEU-P10-020)

Remains open as an SAFLO.

7.70 Seq#116 (GBR-P10-003) (RTM-063)

RTM-063 was amended as follows:

a) In section 2.16 (and many others!), do not reverse the style of the “Throws” sections (in return, but do accept the reversal of style for the “Returns” sections.

b) In section 2.6, do not accept the change that strikes out “the above list” and replaces it with “it”.

c) In section 2.6, third paragraph (“To accommodate...”), third sentence, replace the new phrase “SQL-server” with “SQL-implementation”. In the fourth paragraph (“For example...”), replace the new word “DBMS” to “SQL-server”.

d) In section 2.121, replace part of the first sentence with “...compiled Java SQL-client applications such that they can be used transparently with multiple SQL-servers.”

e) Reject section 2.49 entirely.

Adopted unanimously as amended and this resolves the following ballot comments:
a) Seq#116 (GBR-P10-003)

7.71 Seq#117 (KOR-P10-001) (RTM-091)

Resolved by RTM-091. See agenda item 7.13.

7.72 Seq#119 (USA-P10-030) (see comment) (RTM-105)

See agenda item 7.2.

8 Resolution of Catch-All Ballot Comments

8.1 Seq#094 (CAN-P10-032)

Open.

8.2 Seq#095 (CAN-P10-033)

Open.

8.3 Seq#096 (CAN-P10-034)

Open.

8.4 Seq#097 (CAN-P10-035)

Open.

8.5 Seq#098 (CAN-P10-036)

See also agenda item 7.16.

8.6 Seq#111 (USA-P10-028)

Open.

8.7 Seq#112 (USA-P10-029)

Open.

8.8 Minor cleanup to OLB (RTM-108R1)

RTM-108R1 was adopted unanimously.

8.9 Proposed OLB ballot comment resolution (RTM-121R1)

RTM-121R1 was used to aid in the review of remaining ballot comments at the end of continuation editing meeting.

9 National Body Closing Comments

Canada
Canada is disappointed that the SQL/OLB FCD continuation editing meeting has not been able to resolve all of the outstanding SQL/OLB FCD ballot comments. But we are optimistic that the 20 remaining technical ballot comments on this important SQL-99 part can be completed at a second continuation editing meeting in Santa Fe.

Canada requests that any SQL/OLB continuation editing meeting be held in the second week of the Santa Fe WG3 meeting period so that it overlaps with the planned WG4 meetings (Jan 25-26).

Japan
Japan is not satisfied that there some problems left, especially SQL/OLB authorization identifier and connection issue. Japan continues to get resolved these problems harmonized with next SQLJ meeting resolution. Also, Japan continues to check SQL/OLB draft. Japan hopes that all comments will be resolved completely at Santa Fe.

Germany
Germany acknowledges the progress made with RTM014 during the Loenen Editing Meeting. However, we believe that the document is not ready yet for progression, and that another editing round is needed.

Hopefully, Germany will be able to contribute more actively to that continued process.

Germany gratefully appreciates the efforts of the WG3 convenor to provide meeting facilities and to complement the sessions (with great support by Mrs. Cannan) by wonderful social events.

Netherlands
The Netherlands is pleased that some progress has been made on this part at this meeting but is disappointed that 50% of the comments open at the beginning of the meeting are still not completely addressed. We believe the quality of the document has been considerably improved but given the extremely poor initial quality there still remains much to be done. We are also concerned that too much meeting time is being taken up by problems arising from poorly written

and/or revised papers from National Bodies. We are concerned that unless solutions for the remaining problems are available early for the next round of the editing process it will be impossible to progress the document out of Santa Fe. In fact we believe that a second ballot is really required to ensure that the document is of sufficient quality.

United Kingdom
UK is pleased with the progress that has been made during the Loenen round of the SQL/OLB FCD ballot resolution meeting and with the excellent spirit of collaboration between SQL and SQLJ experts from various national bodies. We still have major concerns about the editorial quality of the document but we are satisfied that a process is well in place to address this problem and we expect that process to continue smoothly from now on, through the next continuation in Santa Fé.

USA
USA is quite pleased with the progress made at this Editing meeting in addressing the remaining ballot comments on SQL/OLB. However, since there are still some major technical comments that need to be addressed, USA would like to request for continuing the editing meeting at Santa Fe, USA in January 2000. USA will continue to work on addressing the remaining comments. USA is hopeful that the Santa Fe meeting will succeed in closing the remaining ballot comments and progress the document to FDIS ballot. USA is grateful to Steve Cannan for chairing the editing meeting with his usual firm yet casual style to ensure maximum progress and for hosting the meeting in this beautiful location.

10 Recommendations

10.1 Preparation of Revised Texts (SD-005)

The meeting agreed that the priority of the Editor's work after this meeting should be in the following order:
1) revised SQL/OLB interim FCD text (ETA Nov 5),
2) revised SQL/MED text for possible ballot text (ETA Nov 19 with an optional sneak peek),
3) revised OLAP amendment text for possible ballot (ETA Dec 10)
4) revised Working Drafts including the OLAP merge (ETA Dec 31).

The following documents will be input to the WG3 and continuation editing meeting to be held in Santa Fe, NM, USA on Jan 17-28, 2000:

Document Prefix: WG3 SAF-

No.	Source	Title
001	Cotton	Minutes from Loenen a/d Vecht WG Meeting
002	Cannan	Technical Corrigendum #4 WD
003	Melton	ISO 9075-1 SQL/Framework WD
004	Melton	ISO 9075-2 SQL/Foundation WD
005	Melton	ISO 9075-3 SQL/CLI WD
006	Melton	ISO 9075-4 SQL/PSM WD
007	Melton	ISO 9075-7 SQL/Temporal WD
008	Melton	ISO 9075-9 SQL/MED WD
009	Melton	ISO 9075-10 SQL/OLB WD
010	Melton	ISO 9075-11 SQL/Schemata WD
011	Melton	ISO 9075 SQL/OLAP WD
012	Melton	Master Index of ISO 9075 WDs
013	Cotton	Minutes of ISO 9075-9 SQL/MED CD Continuation Editing Meeting, Loenen a/d Vecht (SC32 N00366)
014	Cotton	Minutes of ISO 9075-10 SQL/OLB FCD Continuation Editing Meeting, Loenen a/d Vecht (SC32 N00367)
015	Melton	ISO 9075-9 SQL/MED CD Final Disposition of Comments (SC32 N00290)
016	Melton	ISO 9075-10 SQL/OLB FCD Interim Disposition of Comments (SC32 N00291)
017	Melton	ISO 9075-9 SQL/MED FCD text

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No.	Source	Title
018	Melton	ISO 9075-10 SQL/OLB Interim FCD text
019	Melton	ISO 9075 SQL/OLAP FPDAM Text

10.2 Disposition of Comments Report

WG3 SAF-014 (these minutes) and WG3 SAF-016 (Interim disposition of comments) will be input to the second continuation editing meeting.

10.3 Recommendation Regarding Progression

USA moved to recommend a second continuation editing meeting for SQL/OLB to be held in Santa Fe, NM, USA currently with the WG3 meeting dates of Jan 17-29, 2000. Seconded by Canada.

Motion adopted unanimously.

11 Action Items

1. Agenda item 5.5 of SAF-014: Hugh Darwen will post RTM-103R1 and will continue to post additional files to the TEMPdocs directory in order to assist the Editor with editorial work on SQL/OLB.

2. Agenda item 71.0 of SAF-014: Jim Melton will investigate if the SQL/OLB or SQL/Foundation Object Identifier needs to be modified to take into account the SQL/OLB conformance as defined by WG3 RTM-061.

3. Agenda item 7.24 of SAF-014: Dan Coyle will research the significance of the GetSensitivity() method returning zero as proposed in WG3 RTM-078. In particular the meaning of the return value of the GetSensitivity() method for non-scrollable result sets needs to clarified. The importance of testing the GetSensitivity() (aka GetType()) return value in methods such as previous() in the scrollable interface also needs to be investigated.

4. Agenda item 7.24 of SAF-014: Dan Coyle will research whether the difference implied between invoking next() and relative(1) in WG3 RTM-078 when there is no current row (e.g. the position is before the first row) is significant or not. The same question is applicable to prior() and relative(-1) when there is no current row (e.g. the position is after the last row).

12 ADJOURN

The SQL/OLB continuation editing meeting expresses it thanks to the Netherlands delegation for its wonderful meeting facilities at James Martin & Co. in Loenen a/d Vecht. The meeting facilities and the meeting services were of the very highest standard and permitted the editing meeting to achieve significant results. The meeting also expressed its gratitude to Chuck Campbell of the USA delegation for providing the local area network used during the meeting.

The meeting adjourned at 6:00 PM on Thursday October 14.

Appendix A Final Agenda

SQL/OLB FCD Continuation Editing Meeting
4th – 15th October, 1999
Loenen a/d Vecht, Netherlands

1 Introduction Of Participants
2 Distribution Of Documents
3 Selection Of Secretary And Resolution Recorder
4 Approval Of Agenda
5 Administrative Matters
5.1 Calling notice for OLB Continuation Editing Meeting (SC32 N0317) (RTM-021)
5.2 Minutes of ISO 9075-10 SQL/OLB FCD Editing Meeting, Matsue (SC32 N00289, RTM-016)
5.3 FCD 9075-10 SQL/OLB Interim FCD Text (RTM-014)
5.4 FCD 9075-10 SQL/OLB Interim Disposition of Comments (RTM-018R1)
5.5 Groundrules for the editorial revision of OLB (RTM-020, RTM-084)
5.6 Convenor's Definition of Consensus
6 National Body Opening Comments
7 Resolution of Ballot Comments
7.1 Seq#006 (CAN-P10-003) (RTM-104)
7.2 Seq#008 (GBR-P10-009) (RTM-105r1)
7.3 Seq#009 (USA-P10-001) (RTM-078 -partial, RTM-077)
7.4 Seq#010 (DEU-P10-001) (RTM-105r1)
7.5 Seq#014 (USA-P10-002) (RTM-105r1 - partial)
7.6 Seq#016 (GBR-P10-013)
7.7 Seq#017 (CAN-P10-006) (RTM-105r1)
7.8 Seq#024 (CAN-P10-011) (RTM-105r1)
7.9 Seq#025 (CAN-P10-012)
Seq#027 (USA-P10-003) (RTM-061)
7.10 Seq#026 (JPN-P10-001)
7.11 Seq#028 (USA-P10-004)
7.12 Seq#029 (CAN-P10-014) (RTM-105r1)
7.13 Seq#030 (GBR-P10-014) (RTM-091)
7.14 Seq#031 (DEU-P10-003)
7.15 Seq#032 (DEU-P10-004)
7.16 Seq#036 (USA-P10-005)
Seq#080 (USA-P10-031) (RTM-060)
7.17 Seq#037 (CAN-P10-015) (RTM-105r1)
7.18 Seq#040 (DEU-P10-008)
7.19 Seq#041 (DEU-P10-009)
7.20 Seq#042 (USA-P10-006)
7.21 Seq#043 (GBR-P10-016) (RTM-085)
7.22 Seq#044 (CAN-P10-016) (RTM-085)
7.23 Seq#045 (USA-P10-007) (RTM-085)
7.24 Seq#047 (DEU-P10-010) (RTM-078)
7.25 Seq#048 (USA-P10-008)
7.26 Seq#049 (DEU-P10-011)
7.27 Seq#053 (DEU-P10-014)
7.28 Seq#054 (CAN-P10-017)
7.29 Seq#055 (CAN-P10-018) (RTM-079 - partial)
7.30 Seq#056 (CAN-P10-019)
7.31 Seq#057 (CAN-P10-020)

7.32 Seq#058 (USA-P10-010) (RTM-079 - partial)
7.33 Seq#059 (USA-P10-011) (RTM-079 - partial, RTM-077)
7.34 Seq#060 (DEU-P10-015)
7.35 Seq#061 (JPN-P10-004) (RTM-110r1)
7.36 Seq#062 (JPN-P10-005)
7.37 Seq#065 (CAN-P10-021)
7.38 Seq#066 (CAN-P10-022)
7.39 Seq#067 (DEU-P10-016)
Seq#099 (DEU-P10-021)
Seq#118 (USA-P10-026) (RTM-059)
7.40 Seq#069 (USA-P10-013)
7.41 Seq#070 (USA-P10-014)
7.42 Seq#071 (USA-P10-015)
7.43 Seq#072 (USA-P10-016)
7.44 Seq#073 (GBR-P10-017) (RTM-103R1, RTM-125)
7.45 Seq#074 (GBR-P10-018) (RTM-103R1, RTM-125)
7.46 Seq#075 (CAN-P10-023) (RTM-076)
7.47 Seq#076 (CAN-P10-024) (RTM-076)
7.48 Seq#077 (CAN-P10-025) (RTM-076)
7.49 Seq#078 (CAN-P10-026) (RTM-076)
7.50 Seq#079 (CAN-P10-027) (RTM-076)
7.51 Seq#081 (USA-P10-017) (RTM-105r1 - partial)
7.52 Seq#082 (USA-P10-018)
7.53 Seq#083 (DEU-P10-017)
7.54 Seq#084 (GBR-P10-019)
7.55 Seq#085 (DEU-P10-018) (RTM-104)
7.56 Seq#087 (DEU-P10-019)
7.57 Seq#088 (GBR-P10-004)
7.58 Seq#091 (CAN-P10-029) (RTM-079 - partial)
7.59 Seq#093 (CAN-P10-031)
7.60 Seq#100 (GBR-P10-001)
7.61 Seq#101 (GBR-P10-020) (RTM-105r1 - partial)
7.62 Seq#102 (JPN-P10-008) (RTM-101)
7.63 Seq#103 (JPN-P10-009) (RTM-101)
7.64 Seq#104 (KOR-P10-002) (RTM-105r1 - partial)
7.65 Seq#106 (USA-P10-021) (RTM-079 - partial)
7.66 Seq#109 (USA-P10-024) (RTM-078 - partial, RTM-077)
7.67 Seq#110 (USA-P10-027)
7.68 Seq#113 (USA-P10-025)
7.69 Seq#114 (DEU-P10-020)
7.70 Seq#116 (GBR-P10-003) (RTM-063)
7.71 Seq#117 (KOR-P10-001)
7.72 Seq#119 (USA-P10-030) (see comment, RTM-105r1)
8 Resolution of Catch-All Ballot Comments
8.1 Seq#094 (CAN-P10-032)
8.2 Seq#095 (CAN-P10-033)
8.3 Seq#096 (CAN-P10-034)
8.4 Seq#097 (CAN-P10-035)
8.5 Seq#098 (CAN-P10-036)
8.6 Seq#111 (USA-P10-028)
8.7 Seq#112 (USA-P10-029)
8.8 Minor cleanup to SQL/OLB (RTM-108R1)
8.9 Proposed OLB Ballot Comment Resolutions (RTM-121R1)
9 National Body Closing Comments

10 Recommendations
10.1 Preparation of Revised Texts (SD-005)
10.2 Disposition of Comments Report
10.3 Recommendation Regarding Progression
11 Action Items
12 Adjourn

Appendix B Document Register

SQL/OLB FCD Continuation Editing Meeting
4th – 15th October, 1999
Loenen a/d Vecht, Netherlands

Document Prefix: WG3 RTM-

No.	Source	Title	Agenda	Avail. ?
001	Cotton	Minutes from Matsue WG Meeting	WG5.1	Y
002R1	Cannan	Technical Corrigendum #4 WD	WG9.1	Y
003	Melton	ISO 9075-1 SQL/Framework WD	WG6.9	Y
004	Melton	ISO 9075-2 SQL/Foundation WD	WG6.18	Y
005	Melton	ISO 9075-3 SQL/CLI WD	WG6.10	Y
006	Melton	ISO 9075-4 SQL/PSM WD	WG6.11	Y
007	Melton	ISO 9075-7 SQL/Temporal WD	WG6.12	Y
008	Melton	ISO 9075-9 SQL/MED WD	WG6.13	Y
009	Melton	ISO 9075-10 SQL/OLB WD	WG6.14	Y
010	Melton	ISO 9075-11 SQL/Schemata WD	WG6.15	Y
011	Melton	ISO 9075 SQL/OLAP WD (SC32 N00292)	WG6.16	Y
012	Melton	Master Index of ISO 9075 WDs	WG6.17	Y
013	Melton	ISO 9075-9 SQL/MED Interim CD text	EM5.2	Y
014	Melton	ISO 9075-10 SQL/OLB Interim FCD text	EO5.3	Y
015	Cotton	Minutes of ISO 9075-9 SQL/MED CD Editing Meeting, Matsue (SC32 N00288)	EM5.2, WG6.21	Y
016	Cotton	Minutes of ISO 9075-10 SQL/OLB FCD Editing Meeting, Matsue (SC32 N00289)	EO5.2, WG6.22	Y
017R3	Melton	ISO 9075-9 SQL/MED CD Interim Disposition of Comments (SC32 N00290)	EM5.4	Y
018	Melton	ISO 9075-10 SQL/OLB FCD Interim Disposition of Comments (SC32 N00291)	EO5.4	Y
019R2	Darwen	Problems with STATIC DISPATCH	WG9.2	Y
020	Darwen	Groundrules for the editorial revision of OLB	EO5.5	Y
021	Cannan	Calling notice for OLB Continuation Editing Meeting (SC32 N0316)	EO5.1	Y
022	Cannan	Calling notice for MED Continuation Editing Meeting (SC32 N0317)	EM5.1	Y
023	Cannan	Calling Notice for SC 32/WG 3 Meeting, Loenen a/d Vecht, The Netherlands (N0022)	WG6.1	Y
024	USA	A correction to <trigger definition> (H2-99-247)	WG9.4	Y
025	USA	Correcting oversight of character operations on CLOBs (H2-99-248)	WG9.5	Y
026	USA	The case against YGJ-098=RTM-019 (H2-99-250)	WG9.3	Y
027	USA	Minor corrections for OLAP functions (H2-99-251)	WG10.1	Y
028	USA	Cleaning up the SQL4 PPs, Part 2 (H2-99-252)	WG13.1	Y
029	USA	TC for Annex F (H2-99-254)	WG9.6	Y
030	CAN	Classification of SQL-statements in ISO/IEC 9075	WG9.7	Y
031R1	Cannan	Sweetening the CASE statement – the fourth lump	WG11.1	Y
032	Cotton	Parameter markers and the <in predicate>	WG9.8	Y
033	Pistor	Some editorial corrections	WG9.9	Y
034R1	Pistor	Some nearly editorial corrections	WG9.10	Y
035	Pistor	Fixing TRIGGER_COLUMN_USAGE base table	WG9.11	Y
036R1	Pistor	Correcting major editorial glitches in 11.46	WG9.12	Y
037R1	Pistor	Correcting SQL-statements in GRs of 11.40, <user-defined type definition>	WG9.13	Y
038	Pistor	Minor corrections in <drop column definition>	WG9.14	Y
039	Panny	TC for <group by clause>	WG9.15	Y
040R1	Sykes	An INTERSECTS predicate for SQL/Temporal	WG16.1	Y

No.	Source	Title	Agenda	Avail. ?
041	Sykes	Clean up of SQL/Temporal Concepts	WG16.2	Y
042R1	Sykes	Minor changes to SQL/Temporal	WG16.3	Y
043	Sykes	Editorial changes to OLAP Concepts	WG10.2	Y
044	Darwen/Cotton	Deleting <datalink length>	EM7.7	Y
045	Darwen	Deleting Abstract LOBs	EM7.2	Y
046R2	USA	Fixing bugs connected with the use of <user-defined type> syntax (H2-99-326)	WG9.23, EM8.9	Y
047	USA	Fixing bugs connected with "insertable-into" tables (H2-99-287)	WG9.16	Y
048	USA	Fixing bugs in structured type "based on" rules (H2-99-288)	WG9.17	Y
049	USA	Fixing bugs connected with type-preserving functions (H2-99-289)	WG9.18	Y
050R1	USA	Fixing bugs connected with savepoints (H2-99-290)	WG9.19	Y
051	USA	Fixing bugs connected with <parameter name>s (H2-99-302)	WG9.20	Y
052R1	USA	TC for <regular expression substring function> (H2-99-308)	WG9.21	Y
053R2	USA	TC for <joined table> CRs (H2-99-309)	WG9.22	Y
054R2	USA	More OLAP functions and aggregates (H2-99-310)	WG10.3	Y
055	USA	Extensions to windowing (H2-99-311)	WG10.4	Y
056R1	USA	Refining the foreign-data wrapper interface (H2-99-291)	EM8.7	Y
057R1	USA	Handling diagnostics in SQL/MED (H2-99-292)	EM7.33	Y
058R2	USA	SQL/MED support for "SQL-aware" foreign servers (H2-99-314)	EM8.8	Y
059	USA	Global non-non-terminal cleanup: SQL/OLB (H2-99-293)	EO7.39	Y
060	USA	More cleanup: SQL/OLB (H2-99-294)	EO7.16	Y
061	USA	Conformance clause for SQL/OLB (H2-99-313)	EO7.9	Y
062	Darwen	Addressing MED CD Ballot Comment #38	EM7.5	Y
063	Brown	SQL/OLB - Style and other editorial cleanup.	EO7.70	Y
064	Darwen	Claiming MED CD Ballot Comment #85 to Have Been Solved	EM7.11	Y
065	Darwen	Acknowledging The Possible Existence of Nulls in a Datalink Column	EM7.43	Y
066	Darwen	Restricting <datalink control definition> to Sensible Combinations	EM7.12	Y
067	Darwen	Removing Spurious Statement About Datalinks and Foreign Keys	EM7.3	Y
068	Pistor	Correcting "user-defined descriptor"	WG9.24	Y
069	Pistor	Removing a security hole in <trigger definition>	WG9.25	Y
070	Pistor	Relocation of <row subquery> related rules	WG9.26	Y
071	W3C	W3C XML Schema Part 1- Structures	WG7.1	Y
072	W3C	W3C XML Schema Part 2 - Datatypes	WG7.2	Y
073	Sykes	Review of Possible Problems in SQL/Temporal	WG16.4	Y
074	Pistor	Concepts Clause clarification regarding construction of trigger state changes	WG9.27	Y
075	Pistor	Correcting some Information/Definition Schema inconsistencies	WG9.28	Y
076	USA	Transactional Statement Support in SQL/OLB	EO7.46, EO7.47, EO7.48, EO7.49, EO7.50	Y
077	USA	Alignment with JDBC 2.0 Batch updates in SQL/OLB	EO7.66, EO7.33, EO7.3	Y
078	USA	Alignment with JDBC 2.0 scrollable cursors	EO7.66, EO7.33, EO7.3	Y
079	USA	User-defined type support in SQL/OLB	EO7.29, EO7.32, EO7.33, EO7.58, EO7.65	Y
080	WG5	Draft Agenda for WG5 meeting 28-30 Sept 1999	WG7.3	Y

No.	Source	Title	Agenda	Avail. ?
081	WG5	Canadina disussion for WG5 support for SQL/MED	WG7.3	Y
082	WG5	Use of X.500 Distinguished Names for security in distributed database systems	WG7.3	Y
083	WG5	Contributions for RDA support of SQL/MED	WG7.3	Y
084	Melton	E-mail on YGJ-110	EO5.5	Y
085	USA	Character set support in SQL/OLB	EO7.21, EO7.22, EO7.23	Y
086	USA	Comments on minor changes (RTM-040, RTM-041 and RTM-042)	WG16.1, WG16.2, WG16.3	Y
087	Cannan	YGJ-113	WG7.3	Y
088	Campbell	WG5 Liaison Report	WG7.3	Y
089	Melton	Possible BNF Error	WG9.29	Y
090	Melton	Error in SQL/CLI EndTran transaction termination value	WG9.30	Y
091	Melton	Distinguishing Between SQLJ Concepts and Tutorial Material	EO7.13	Y
092	USA	Request for interpretation: exceptions in CASE	WG9.31	Y
093	Kulkarni	Resolving GBR-P09-13	EM7.6	Y
094	WG5	CD ISO/IEC SSSS:200y (E) Information technology — Distributed Database Access for SQL	WG7.3	Y
095	Cotton	Canadian comments on RTM-056 and RTM-057	EM8.7, EM7.33	Y
096R1	Cotton	Prohibiting datalink as a foreign key	EM7.3	Y
097	WG5	SC32 N0349	WG7.3	Y
098	Campbell	Resolving CAN-P09-022, USA-P09-015, GBR-P09-019	EM7.8, EM7.9, EM7.10	Y
099	Kulkarni	Handling data retrieval in MED	EM7.33	Y
100	Melton/ Cotton	Separating data type correspondence tables in Foundation and CLI	WG9.32	Y
101	Japan	Clarification of authorization identifiers (resolving #102, 103 OLB)	EO7.62, EO7.63	Y
102	Japan	Solving JPN-P09-006 with no action	EM7.32	Y
103R1	Coyle	Misc. editorial changes for SQL/OLB	EO7.44, EO7.45	Y
104	Campbell	Resolve SQL/OLB Ballot Commemt #085	EO7.1, EO7.55	Y
105r1	Campbell	Resolve SQL/OLB Ballot Comments #008, 017, 024 and 119	EO7.2, EO7.4, EO7.5, EO7.7, EO7.8, EO7.12, EO7.17, EO7.51, EO7.61, EO7.64, EO7.72	Y
106	Kulkarni	Resolving WG3-P09-001 and WG3-P09-002	EM7.30, EM7.31	Y
107R1	Cannan	Resolving Seq# 285 and 286 in SQL/MED	EM7.27, EM7.28 EM7.29	Y
108r1	Japan	Minor cleanup to SQL/OLB	EO8.8	Y
109R1	Zemke	OLAP concepts rewrite	WG10.2	Y
110r1	Japan	Addition of rules for assignment to attribute of named iterator (resolving #061)	EO7.35	Y
111	WG5	Minutes	WG7.3	Y

No.	Source	Title	Agenda	Avail. ?
112R2	Melton	Response to WG5 editor with reagrd to RTM-113	WG7.3	Y
113	WG5	Distribution schema for remote Database Access	WG7.3	Y
114	Cannan	Resolving Seq# 270 in SQL/MED	EM7.24, WG9.33	Y
115	Darwen	Adding DATALINK D_T_D	EM7.2	Y
116	Darwen	Aligning COLUMNS with SQL:1999	EM7.25, EM7.26	Y
117	Darwen	Closing 299b as L.O.	EM7.34	Y
118	Darwen	Aligning SQL/MED with SQL:1999	EM7.4, EM7.21, EM8.4	Y
119R2	Zemke	Information Schema for MED	EM7.2, EM7.38	Y
120r1	Melton	Liaison Response to WG5	WG7.3	Y
121R1	Coyle	Proposeed OLB Ballot Comment Resolutions	EO8.9	Y
122	Brown	<datalink value function>and URL revisited	EM8.10	Y
123	Cannan	Privileges in MED	EM7.13, EM7.37	Y
124	Campbell	Solving OLB #48	EO7.25	n/a
125	Darwen	Attachment to RTM-103 (example mark-up)	EO7.44, EO7.45	Y
126	Melton	Short name views	EM7.35, EM7.40, EM7.41, EM7.42, EM7.44, EM7.38	Y