

ISO/IEC JTC 1/SC 32 N 0731

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REPLACES: --

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Douglas Mann, Secretariat, ISO/IEC JTC 1/SC 32

Pacific Northwest National Laboratory *, 901 D Street, SW., Suite 900, Washington, DC, 20024-2115, United States of America

Telephone: +1 703 236-1422; Facsimile; +1 703 527-5640; E-mail: MannD@battelle.org

available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>

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ISO/IEC JTC 1/SC 32 N731

SC 32/WG3 VIE-012

2001-11-25

2nd CONTINUATION CD EDITING MEETING

ISO/IEC CD 9075/1 — SQL/Framework
ISO/IEC CD 9075/2 — SQL/Foundation
ISO/IEC CD 9075/3 — SQL/CLI
ISO/IEC CD 9075/4 — SQL/PSM
ISO/IEC CD 9075/9 — SQL/MED
ISO/IEC CD 9075/10 — SQL/OLB
ISO/IEC CD 9075/11 — SQL/Schemata

ISO/IEC JTC 1/SC 32

15th October – 26th October 2001

Victoria, Canada

1 Introduction Of Participants

Stephen Cannan, Netherlands, SC32 WG3 Convenor
Jim Melton, USA, Editor
Fred Zemke, USA
Krishna Kulkarni, USA
Jutta Kreyss, Germany
Vanderlei V Ortencio, Brazil
Mark Ashworth, Canada
Bill O'Connell, Canada
Takashi Kotera, Japan
Masashi Tsuchida, Japan
Hugh Darwen, UK
Phil Brown, UK

At the request of the ISO/IEC 9075 Document Editor, the WG3 Convenor, Stephen Cannan, chaired the meeting.

Initial discussion of some contributions took place during the co-located and contemporaneous meetings of SC32/WG3 and ANSI NCITS H4. In those cases, the record in these minutes may identify participants who were not present in the formal sessions of this meeting.

2 Distribution Of Documents

All documents for the meeting, including those produced during the meeting, were placed in an electronic repository that was accessible to all participants.

The final document register, as at the end of the meeting, is attached as Annex A to these minutes.

3 Selection Of Secretary And Resolution Recorder

Phil Brown was appointed Secretary.

Krishna Kulkarni was appointed Resolution Recorder.

4 Approval Of Agenda

The version of the Agenda published on 28th September 2001 was adopted. Contributions received since that date were added, as received, to appropriate Agenda items.

The order of items in the Agenda largely reflects the ordering of comments in relation to the CD documents. It does not represent the order in which items were discussed.

The final agenda is reflected in the section titles and numbering in these minutes.

5 Administrative Matters

5.1 Convenor's recommendation on progression to the SC32 secretariat (YYJ-020)

Noted

5.2 Calling notice for 2nd Continuation CD Editing Meeting (SC32 N00645, YYJ-018)

Noted

5.3 Minutes of the JTC 1/SC 32 WG3 Meeting Perth, Australia, 30th April – 11th May, 2001 (YYJ-013)

Noted

5.4 Minutes of the 1st Continuation Editing Meeting (YYJ-014R2)

The Convenor explained the differences between the successive versions of the document.

Noted.

5.5 ISO 9075-1 SQL/Framework CD Interim Text (YYJ-003)

Noted

5.6 ISO 9075-2 SQL/Foundation CD Interim Text (YYJ-004)

Noted

5.7 ISO 9075-3 SQL/CLI CD Interim Text (YYJ-005)

Noted

5.8 ISO 9075-4 SQL/PSM CD Interim Text (YYJ-006)

Noted

5.9 ISO 9075-9 SQL/MED CD Interim Text (YYJ-008)

Noted

5.10 ISO 9075-10 SQL/OLB CD Interim Text (YYJ-009)

Noted

5.11 ISO 9075-11 SQL/Schemata CD Interim Text (YYJ-010)

Noted

5.12 CD 9075 Consolidated Ballot Comments (YYJ-015)

Noted

5.13 CD 9075 Consolidated Unresolved Ballot Comments

(YYJ-016)

Noted

5.14 Convenor's Definition of Consensus

The Convenor announced that his definition of consensus would be:

- Where the item corrected an error, a simple majority of Nation Bodies voting on the issue
- Where the item added or removed functionality, a clear majority of two National Bodies, but if not all present voted, then he would use his judgement.

6 National Body Opening Comments**6.1 Australia**

The Convenor reported that an apology for absence had been received, and that an Australian delegate would be available for electronic consultation if necessary.

6.2 Belgium

Absent

6.3 Brazil

Brazil is pleased to attend this meeting. We have slowed the work on standards during the last year and are reorganizing the activities now, so we bring no contributions to this meeting. We hope to increase activities and be able to make contributions in the future.

6.4 Canada

On behalf of Standards Council of Canada, welcome to the Ocean Pointe Resort in beautiful downtown Victoria. Canada hopes the venue will facilitate a success WG3 meeting. Canada continues to support the current progression schedule and looks forward to a successful completion of the continuation editing meeting.

6.5 China

Absent

6.6 Czech Republic

Absent

6.7 Denmark

Absent

6.8 Finland

Absent

6.9 France

Absent

6.10 Germany

Germany is looking forward to work with the other national body delegations in the CD editing meeting for the numerous parts of 9075. We maintain our position that the next version of the standard should focus on quality enhancements rather than new functionality, as it was already the German position in Perth. Germany looks forward to close the CD in Victoria and to go for FCD.

6.11 Italy

Absent

6.12 Japan

Japan is pleased to see the recent progress in WG3 activities, especially in emerging area, such as XML related topics such as mapping tables to XML documents and vice versa, and also discussions related to recent enhancement in Unicode. Importance of these new features is really to know. Japan supports these

directions. Japan prepares two papers which talk about trigger transition table clarification and escaping mechanism for Unicode hexadecimal value. Japan expects our SQL standard body to incorporate these technologies with reflecting vital application scenario and requirements in this industry. Japan also thinks that it is very important to continue to develop the emerging SQL specification. We are going to prepare follow-on papers to resolve remaining comments as our contribution during the weeks.

We would like to thank Canadian delegates for organizing this meeting at Victoria.

6.13 Netherlands

The Netherlands is pleased to see that we have a number of papers directed at the SQL/XML part. Given the rush to get this part approved and the initial optimistic plans for progression it is nice to see some progress. The Netherlands feels that the experiment with an electronic meeting was only a partial success and would like the Working Group to review the experience with a view to improving the process.

6.14 Norway

Absent

6.15 Republic of Korea

Absent

6.16 United Kingdom

We are pleased with progress being made on resolving CD ballot comments. We believed it was reasonable to consider proceeding to an FCD ballot out of Perth, so it follows *a fortiori* that we will be in favour of so proceeding after this meeting.

We regret that we found it too difficult to participate effectively in the E3B meeting. We have noted with interest The Netherlands' remarks about this in their opening comments to the WG3 meeting. Nevertheless we are obviously pleased that some more ballot comments were closed to everybody's satisfaction. We are also pleased to see further contributions to that end from other national bodies at the present meeting.

We have concentrated our own efforts on two especially problematical areas, namely collations and exception handling. We also bring a proposal to further improve the standard's specification for transaction savepoints, building on our introduction of nested savepoint levels that was accepted in Perth, earlier this year.

6.17 United States

USA is pleased with the recent completion of another successful electronic meeting. Though more could have been accomplished if more members had participated, we believe the experience was very useful. We thank the Canadian national body and Baba Piprani for offering the web discussion forum facilities. USA is pleased with the thorough reviews by the national bodies on the FCD ballot for SQL/JRT. USA has a number of contributions for both SQL/200n Continuation CD Editing meetings and SQL/JRT FCD editing meeting. USA is keen to work with other national bodies to address the outstanding ballot comments and to progress the concerned documents to their next stage. An area that has received a lot of attention within USA is the recently-initiated part, SQL/XML. USA has a number of proposals enhancing the working draft. USA hopes other national bodies contribute to this effort and enhance the functionality and the quality of this part as we go along.

6.18 Sweden

The Convenor reported that an apology for absence had been received from Sweden.

6.19 Austria

Absent

6.20 Russian Federation

Absent

7 SQL/Framework Topics

7.1 Seq#012 (USA-P01-001) (YYJ-090R1)

Fred Zemke introduced YYJ-090R1.

YYJ-090R1 was accepted unanimously as resolving Seq#012, Seq#115 (see 8.21) and Seq#171 (see 8.29).

7.2 Seq#015a (WG3-P01-022) (YYJ-103)

Phil Brown introduced YYJ-103.

Option 1 from the paper was agreed as the appropriate way ahead. Comment Seq#015a was marked as closed with no action, and Possible Problem FRM-006 was left open.

Phil Brown was encouraged to continue with the work outlined in YYJ-103.

8 SQL/Foundation Topics

8.1 Seq#024c (WG3-P02-003) (YYJ-055)

Steve Cannan introduced YYJ-055.

YYJ-055 was accepted unanimously as resolving Seq#024c.

8.2 Seq#027a (WG3-P02-026) (YYJ-035)

Jutta Kreys introduced YYJ-035.

A change corresponding to that proposed for subclause 3.1.1 was added for PSM subclause 4.10.8.

YYJ-035, as amended, was accepted unanimously as resolving Seq#027a and closing Possible Problem 824.

8.3 Seq#029aa (WG3-P02-027)

Seq#029e (WG3-P02-028)

Seq#029f (WG3-P02-029)

Seq#029g (WG3-P02-030)

Seq#088a (WG3-P02-031)

Seq#95b (WG3-P02-032)

Seq#101a (WG3-P02-033)

Seq#104b (WG3-P02-036)

Seq#120a (WG3-P02-038)

Seq#139a (WG3-P02-039)

Seq#153 (USA-P02-055)

Seq#161a (WG3-P02-041)

Seq#182a (WG3-P02-045)

Seq#190a (WG3-P02-046)

Seq#207a (WG3-P02-049)

Seq#412 (NLD-P02-186)

Seq#413 (NLD-P02-187)

Seq#414 (NLD-P02-188)

Seq#415 (NLD-P02-189)

Seq#416 (NLD-P02-190)

Seq#417 (NLD-P02-191)

Seq#418 (NLD-P02-192)

Seq#419 (NLD-P02-194)

(YYJ-030R1, R2)

(YYJ-051)

(YYJ-073R1)

Hugh Darwen introduced YYJ-030R1.

Vinita Subramanian presented YYJ-051. She observed that all but two of the problems in YYJ-030 that were identified in YYJ-051 had been addressed satisfactorily in YYJ-030R1. The remaining problems concerned constructs that would have been invalid syntax in ISO/IEC 9075:1999 and would now be legal.

Fred Zemke proposed a three-way straw vote to identify preferred options:

1. Keep the paper as it is
2. Modify the paper to accommodate the concerns of Compaq and Microsoft
3. Fred Zemke to research the possibilities of fixing the problems with coercibility

Hugh Darwen suggested that there were further options: changes that would require product changes but leave working applications substantially unchanged; and reversion to HEL-047 and session collations.

It was agreed that a decision on this Agenda item should be deferred until the USA delegation could consult their National Body Committee members H2 on their approach to a revised paper (following production of such a paper).

Fred Zemke subsequently introduced YYJ-030R2.

Two amendments to YYJ-030R2 were agreed:

In proposal section 3.25, changes to subclause 9.3, "Data types of results of aggregations", modify the change to Syntax Rule 3)a)ii)1) by striking from "then" to the end of case sub-rule B) and replace the deleted text with "then every data type in *DTS* that has an *explicit* collation derivation shall have a declared type collation that is *ECL*. The collation derivation is *explicit* and the collation is *ECL*."

Add a new proposal item to added the following new Syntax Rule in subclause 5.3, "<literal>", between the existing Syntax Rules 9) and 10):

- 9.1) The declared type collation of a <character string literal> is the character set collation and the collation derivation is implicit.

YYJ30R2, as amended, was approved by four votes to none, with one abstention. Canada, Japan, Netherlands and UK voted in favour. The US abstained. Germany and Brazil were not present for the vote.

YYJ-030R2 was accepted as resolution of Seq#029aa, Seq#029e, Seq#029f, Seq#029g, Seq#041a (see 8.7), Seq#088a, Seq#95b, Seq#101a, Seq#104b, Seq#120a, Seq#139a, Seq#153, Seq#161a, Seq#182a, Seq#190a, Seq#207a, Seq#412, Seq#413, Seq#414, Seq#415, Seq#416, Seq#417, Seq#418 and Seq#419.

8.4 Seq#031 (NLD-P02-003) (YYJ-059)

Steve Cannan introduced YYJ-059.

This removes references to SQL/Temporal (Part 7) from other Parts of ISO/IEC 9075.

The proposal was amended to include deletion of a Possible Problem identified in the paper.

YYJ-059, as amended, was accepted unanimously as resolving Seq#031.

8.5 Seq#035 (USA-P02-005) (YYJ-061R1)

Stephen Cannan introduced YYJ-061R1.

This paper proposed closure, as Language Opportunities, of a number of comments that had not so far been addressed.

Mark Ashworth proposed a motion that Seq#289 should be removed from the list. This motion failed for lack of a second.

YYJ-061R1 was approved by 6-1-0, with Brazil, Germany, Netherlands, Japan, UK and USA in favour, Canada against.

Acceptance of YYJ-061R1 closes Seq#035, Seq#051 (see 8.10), Seq#52 (see 8.11), Seq#104a (see 8.18), Seq#177a (see 8.31), Seq#289 (see 8.61), Seq#301 (see 8.64), Seq#302 (see 8.65), Seq#304 (see 8.67), Seq#305 (see 8.68), Seq#305a (see 8.69), Seq#393 (see 8.70), Seq#420ff (see 8.75), Seq#524 (see 11.3), Seq#525 (see 11.4), Seq#598c (see 13.7), Seq#598d (see 13.8) and Seq#598e (see 13.9).

Mark Ashworth stated that the reason that Canada voted against approval of YYJ-061R1 was that it closed a Canadian comment that Canada wished to have retained as open.

8.6 Seq#037 (NLD-P02-004) (YYJ-091)

Jim Melton introduced YYJ-091.

YYJ-091 was accepted as resolving Seq#037 with no action.

8.7 Seq#41a (WG3-P02-057)**(YYJ-030R2)**

Closed. See 8.3.

8.8 Seq#046 (NLD-P02-006)

This comment identifies an exiting Possible Problem that was not addressed by any contribution to the meeting. It remains open.

8.9 Seq#050 (NLD-P02-009)**(YYJ-079 R3)**

Stephen Cannan introduced YYJ-079.

During discussion of YYJ-079, it was noted that YYJ-034 had modified some subclauses that are addressed by YYJ-079, and also that YYJ-034 had failed to make appropriate changes to one of the Concepts sections that is also being modified by YYJ-079. Stephen Cannan undertook to produce a revision of YYJ-079 that would rectify the omission of YYJ-034 and would consolidate the changes from the two proposals where appropriate. It would also take account of some editorial improvements that were identified during the discussion.

Stephen Cannan later introduced YYJ-079R2.

Following discussion, the Note introduced into subclause 4.27 was changed to normative text.

A number of typographical errors and potential stylistic improvements were noted by the Editor.

Following further discussion, additional necessary changes were identified, and Stephen Cannan undertook to produce a further revision of the paper.

Stephen Cannan introduced YYJ-079R3.

YYJ-079R3 was accepted unanimously as resolving Seq#050, Seq#051 (see 8.10), Seq#052 (see 8.11) and Seq#195 (see 8.37), and deleting Possible Problem 765..

8.10 Seq#051 (USA-P02-014)**(YYJ-061R1)
(YYJ-079R3)**

Closed. See 8.5.

8.11 Seq#052 (USA-P02-015)**(YYJ-061R1)
(YYJ-079R3)**

Closed. See 8.5.

8.12 Seq#063 (NLD-P02-013)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.13 Seq#065 (NLD-P02-012)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.14 Seq#070 (USA-P02-020)**(YYJ-102)**

Fred Zemke introduced YYJ-102.

“as specified in the General Rules of this subclause” was deleted from four places.

YYJ-102, as amended was accepted unanimously as resolution of Seq#070.

8.15 Seq#075 (NLD-P02-018)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.16 Seq#087 (USA-P02-025)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.17 Seq#088 (USA-P02-026)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.18 Seq#104a (WG3-P02-035)**(YYJ-061R1)**

Closed. See 8.5.

8.19 Seq#112 (NLD-P02-029) (YYJ-105)

Fred Zemke introduced YYJ-105.

YYJ-105 was accepted unanimously as resolving Seq#112 and closing Possible Problem 699.

8.20 Seq#114 (USA-P02-038) (YYJ-045, YYJ-045R1)

Khrishna Kulkarni introduced YYJ-045.

Several changes were accepted by the author, who agreed to produce a revised version of the document.

Krishna Kulkarni introduced YYJ-045R1, describing in particular the changes from the original YYJ-045.

The author accepted that “getting included” should be changed to “being included” in two places.

YYJ-045R1, as amended, was accepted unanimously as resolving Seq#114.

8.21 Seq#115 (USA-P02-039) (YYJ-090R1)

Closed. See 7.1.

8.22 Seq#129 (USA-P02-043)

Seq#129 was closed with no action.

8.23 Seq#132 (USA-P02-045) (YYJ-092)

Fred Zemke introduced YYJ-092.

YYJ-092 was accepted unanimously as resolving Seq#132.

8.24 Seq#135 (USA-P02-046)

Converted to a Possible Problem and closed.

8.25 Seq#142 (DEU-P02-007) (YYJ-057, YYJ-057R1)

YYJ-057 had originally been introduced into the E3B electronic meeetin, where action had been deferred at the request of National Bodies.

Jutta Kreyss introduced YYJ-057R1, which contains the TC changes that had been omitted from YYJ-057.

YYJ-057 and YYJ-057R1 were accepted unanimously as resolving Seq#142.

8.26 Seq#159a (WG4-P02-001) (YYJ-078)

Steve Cannan introduced YYJ-078.

YYJ-078 was accepted as closing Seq#159a and Seq#567 (see 12.3), converting comment Seq#159a to a Language Opportunity.

8.27 Seq#159b (WG3-P02-040) (YYJ-060)

Hugh Darwen introduced YYJ-060.

The Editor identified the need for some minor editorial changes. YYJ-060, as amended, was accepted unanimously as resolution of Seq#159b.

8.28 Seq#161 (USA-P02-060) (YYJ-048)

Jan-Eike Michels introduced YYJ-048.

Changes to mandatory implementation-defined in a few places, changing to implementation-dependent.

YYJ-048 as amended was accepted unanimously as resolving Seq#161.

8.29 Seq#171 (USA-P02-065) (YYJ-090R1)

Closed. See 7.1

8.30 Seq#174 (USA-P02-067)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.31 Seq#177a (WG3-P02-043) (YYJ-061R1)

Closed. See 8.5.

8.32 Seq#181 (USA-P02-070) (YYJ-052)

Krishna Kulkarni presented YYJ-052.

YYJ-052 was accepted as written as resolving Seq#181, Seq#188 (see 8.34) and Seq#256 (see 8.48)

8.33 Seq#181a (WG3-P02-044) (YYJ-083) (YYJ-083R1)

Fred Zemke introduced YYJ-083.

YYJ-083, subject to the correction of one spelling error, was accepted unanimously as resolving Seq#181a.

Acceptance of YYJ-083 closes Possible Problem 813.

Fred Zemke later introduced YYJ-083R1, which is a revision of YYJ-083 to take account of issues identified after acceptance of that proposal.

YYJ-083R1 was accepted unanimously as further resolution of Seq#181a.

8.34 Seq#188 (USA-P02-073) (YYJ-052)

Closed. See 8.32.

8.35 Seq#191a (WG3-P02-047)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.36 Seq#192a (WG3-P02-048)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.37 Seq#195 (NLD-P02-045) (YYJ-079R3)

Closed. See 8.9.

8.38 Seq#204 (USA-P02-079)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.39 Seq#217 (NLD-P02-052)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.40 Seq#221a (WG3-P02-050)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.41 Seq#229a (WG3-P02-051)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.42 Seq#229b (WG3-P02-055)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.43 Seq#231 (USA-P02-094)

Seq#267 (USA-P02-105)

Seq#269 (NLD-P02-068)

(YYJ-036)

Fred Zemke introduced YYJ-036.

The proposal was amended by deletion of item 2 in proposal section 4.2 and item 2 in proposal section 7.3.

A Possible Problem was raised and communicated to the Editor.

In proposal item section 3.1, change 1, the text proposed as Rule 5 was amended to read in part "... step 1 through step 5 above to NT, always selecting in step 5 the leftmost BNF non-terminal."

YYJ-036, as amended, was adopted unanimously as resolving Seq#231, Seq#267 and Seq#269.

8.44 Seq#233 (NLD-P02-054)

Converted to a Possible Problem and closed.

8.45 Seq#233a (WG3-P02-052)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.46 Seq#244 (NLD-P02-056)

Converted to a Possible Problem and closed.

8.47 Seq#255 (JPN-P02-001)**(YYJ-029R2)**

Takashi Kotera presented YYJ-029R2.

YYJ-029R2 was adopted unanimously as resolving Seq#255.

8.48 Seq#256 (USA-P02-101)**(YYJ-052)**

Closed. See 8.32.

8.49 Seq#259 (GBR-P02-430)**(YYJ-034)**

Hugh Darwen introduced YYJ-034.

In proposal section 2.1, item 1, the penultimate sentence was changed to “When an SQL-invoked routine is invoked, a new savepoint is always established.” The placement of the new material introduced by items 1 and 2 was left to the discretion of the Editor.

In proposal section 2.3, item 2, change the Syntax Rule reference to SR6. Add a further item to introduce two new Syntax Rules:

- If <savepoint level indication> is specified, then PROCEDURE shall be specified.
- If PROCEDURE is specified and <savepoint level indication> is not specified, then OLD SAVEPOINT LEVEL is implicit.

In proposal section 2.3, add a new item between items 4 and 5, introducing a new sub-rule of General Rule 3:

- If NEW SAVEPOINT LEVEL is specified, then an indication that a new savepoint level is to be specified.

In section 3.2, in both items 1 and 2, change “NEW_SAVEPT_LEVEL” to “NEW_SAVEPT_LVL”.

The Possible Problem identified in section 2.5 was reclassified as a Language Opportunity.

YYJ-034, as amended, was accepted unanimously as resolving Seq#259.

8.50 Seq#265 (NLD-P02-066)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.51 Seq#274 (NLD-P02-070)**(YYJ-065)**

YYJ-065 was accepted unanimously as resolution of Seq#274, Seq#275 (see 8.52), Seq#276 (see 8.53), Seq#277 (see 8.54), Seq#278 (see 8.55), Seq#279 (see 8.56) and Seq#280 (8.57).

8.52 Seq#275 (NLD-P02-071)**(YYJ-065)**

Closed. See 8.51

8.53 Seq#276 (NLD-P02-072)**(YYJ-065)**

Closed. See 8.51

8.54 Seq#277 (NLD-P02-073)**(YYJ-065)**

Closed. See 8.51

8.55 Seq#278 (NLD-P02-074)**(YYJ-065)**

Closed. See 8.51

8.56 Seq#279 (NLD-P02-075)**(YYJ-065)**

Closed. See 8.51

8.57 Seq#280 (NLD-P02-076)**(YYJ-065)**

Closed. See 8.51

8.58 Seq#281 (USA-P02-107)**(YYJ-082)**

Fred Zemke introduced YYJ-082

YYJ-082 was approved as written as resolving Seq#281, Seq#284 (see 8.59) and Seq#286 (see 8.60).

8.59 Seq#284 (USA-P02-108) (YYJ-082)

Closed. See 8.58

8.60 Seq#286 (USA-P02-110) (YYJ-082)

Closed. See 8.58

8.61 Seq#289 (CAN-P02-001) (YYJ-061R1)

Closed. See 8.5.

8.62 Seq#294 (NLD-P02-164)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.63 Seq#296 (NLD-P02-180)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.64 Seq#301 (USA-P02-113) (YYJ-061R1)

Closed. See 8.5.

8.65 Seq#302 (USA-P02-114) (YYJ-061R1)

Closed. See 8.5.

8.66 Seq#303 (USA-P02-115) (YYJ-044R2)

Krishna Kulkarni introduced YYJ-044R2.

YYJ-044R2 was accepted unanimously as resolving Seq#303.

8.67 Seq#304 (USA-P02-116) (YYJ-061R1)

Closed. See 8.5.

8.68 Seq#305 (USA-P02-117) (YYJ-061R1)

Closed. See 8.5.

8.69 Seq#305a (WG3-P02-053) (YYJ-061R1)

Closed. See 8.5.

8.70 Seq#393 (NLD-P02-163) (YYJ-061R1)

Closed. See 8.5.

8.71 Seq#401 (NLD-P02-173)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.72 Seq#402 (NLD-P02-174)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.73 Seq#403 (NLD-P02-175)

It was agreed that the comment should be converted to a Possible Problem and closed.

8.74 Seq#420e (WG3-P02-021) (YYJ-056)

(YYJ-058)

Jim Melton introduced YYJ-056.

Masashi Tsuchida introduced YYJ-058 as a response to YYJ-056.

It was agreed that in both proposal item 2.1 and proposal 2.2, case b) should be changed to: "If the source language character set contains the character "\", then the default escape character is "\"; otherwise the escape character is implementation-defined." Proposal item 2.3 was withdrawn. During discussion, it was determined that the new text should be a Syntax Rule rather than a General Rule. The Editor undertook to make the necessary changes.

YYJ-056 and YYJ-058 as amended accepted unanimously as resolving Seq#420e.

8.75 Seq#420ff (WG3-P02-054)**(YYJ-061R1)**

Closed. See 8.5.

8.76 Seq#261a (WG3-P02-056)

It was agreed that the comment should be converted to a Possible Problem and closed.

9 SQL/CLI Topics

No comments remained to be resolved.

10 SQL/PSM Topics**10.1 Seq#437 (USA-P04-004)**

Converted to a Possible Problem and closed.

10.2 Seq#442 (USA-P04-005)

Converted to a Possible Problem and closed.

10.3 Seq#444a (WG3-P04-002)**(YYJ-032)**

Hugh Darwen introduced YYJ-032.

YYJ-032 was approved unanimously as resolving Seq#444a.

10.4 Seq#486 (NLD-P04-006)

It was agreed that the comment should be converted to a Possible Problem and closed.

11 SQL/MED Topics**11.1 Seq#520 (USA-P09-013)****(YYJ-050)**

Jan-Eiche Michels introduced YYJ-050.

YYJ-050 was accepted unanimously as resolving Seq#520.

11.2 Seq#523 (USA-P09-016)**(YYJ-049)**

Jan-Eiche Michels introduced YYJ-049.

YYJ-049 was accepted unanimously as resolving Seq#523.

11.3 Seq#524 (USA-P09-017)**(YYJ-061R1)**

Closed. See 8.5.

11.4 Seq#525 (USA-P09-018)**(YYJ-061R1)**

Closed. See 8.5.

12 SQL/OLB Topics**12.1 Seq#559 (NLD-P10-011)**

It was agreed that the comment should be converted to a Possible Problem and closed.

12.2 Seq#566 (NLD-P10-019)

It was agreed that the comment should be converted to a Possible Problem and closed.

12.3 Seq#567 (NLD-P10-020)**(YYJ-078)**

Closed. See 8.26.

13 SQL/Schemata Topics**13.1 Seq#582a (WG3-P11-001)**

It was agreed that the comment should be converted to a Possible Problem and closed.

13.2 Seq#583 (USA-P11-002)

Converted to a Possible Problem and closed.

13.3 Seq#588 (USA-P11-003)**(YYJ-096)**

Baba Piprani introduced YYJ-096.

The proposal was amended by prefixing “V.” to each of the unqualified column names in the text introduced by the proposal and appending “AS V” to the <from clause> in the line immediately below the original insertion.

YYJ-096, as amended, was approved unanimously as resolution of Seq#588.

13.4 Seq#590 (NLD-P11-004)

It was agreed that the comment should be converted to a Possible Problem and closed.

13.5 Seq#598a (WG3-P11-002)

It was agreed that the comment should be converted to a Possible Problem and closed.

13.6 Seq#598b (WG3-P11-003)

It was agreed that the comment should be converted to a Possible Problem and closed.

13.7 Seq#598c (WG3-P11-004)**(YYJ-061R1)**

Closed. See 8.5.

13.8 Seq#598d (WG3-P11-005)**(YYJ-061R1)**

Closed. See 8.5.

13.9 Seq#598e (WG3-P11-006)**(YYJ-061R1)**

Closed. See 8.5.

13.10 Seq#600 (USA-P11-006)

Converted to a Possible Problem and closed.

14 Resolution of Catch-All Ballot Comments

All catch-all comments that were not otherwise resolved were resolved by conversion of new issues to Possible Problems.

14.1 Seq#017 (CAN-P01-001)**14.2 Seq#018 (CAN-P01-002)****14.3 Seq#019 (CAN-P01-003)****14.4 Seq#020 (USA-P01-005)****14.5 Seq#290 (CAN-P02-005)****14.6 Seq#291 (CAN-P02-006)****14.7 Seq#292 (CAN-P02-007)****14.8 Seq#300 (USA-P02-112)****(YYJ-031R2)**

Closed. See 14.30

14.9 Seq#426 (CAN-P03-001)**14.10 Seq#427 (CAN-P03-002)****14.11 Seq#428 (CAN-P03-003)****14.12 Seq#430 (USA-P03-001)****(YYJ-089)**

YYJ-089 was accepted as addressing Seq#430.

14.13 Seq#459 (CAN-P04-002)

14.14 Seq#460 (CAN-P04-003)

14.15 Seq#461 (CAN-P04-004)

14.16 Seq#462 (USA-P04-007)

14.17 Seq#515 (CAN-P09-005)

14.18 Seq#516 (CAN-P09-006)

14.19 Seq#517 (CAN-P09-007)

14.20 Seq#526 (USA-P09-019)

14.21 Seq#561 (CAN-P10-001)

14.22 Seq#562 (CAN-P10-002)

14.23 Seq#563 (CAN-P10-003)

14.24 Seq#565 (GBR-P10-010)

14.25 Seq#568 (USA-P10-004)

14.26 Seq#608 (CAN-P11-001)

14.27 Seq#609 (CAN-P11-002)

14.28 Seq#610 (CAN-P11-003)

14.29 Seq#611 (USA-P11-007)

14.30 SET [CURRENT] COLLATION statement (YYJ-031, YYJ-031R2, R3)

Hugh Darwen introduced YYJ-031. The dependency of YYJ-031 on YYJ-030 was noted.

The lack of a facility to retrieve the current value of session collation was noted. Following discussion, YYJ-031R2 was produced.

Hugh Darwen introduced YYJ-031R2.

During discussions, it was recognised that there were embedded SQL issues that should be addressed by the proposal.

Hugh Darwen introduced YYJ-031R3.

He said that it arose from an observation by Krishna Kulkarni.

In proposal section 2.11, which introduces new subclause 18.n: in General Rule 1)a), “C” was changed to “V”; in General Rule 1)b), “CS” was changed to “V”.

YYJ-031R3, as amended, was accepted unanimously. It addresses the catch-all comment Seq#300.

14.31 Enhancing CREATE TABLE AS (YYJ-047)

Jan-Eike Michel introduced YYJ-047.

3.1, 2nd change “If ~~the~~ T1”, same section 3rd change, rule b.2 “shall be ~~the same as~~ D”

YYJ-047, as amended, was approved unanimously.

14.32 Updating the tagging conventions in Framework (YYJ-081)

Stephen Cannan introduced YYJ-081.

In the first change to Framework, “modifies” was changed to “modified by”

During discussion, it was suggested that a diagram showing permissible modifications of one Part by another should be included.

Text was inserted to say that numbered Notes are not counted as paragraphs.

YYJ-081, as amended, was accepted unanimously.

14.33 Cleanup of DROP General Rules (YYJ-075)

Krishna Kulkarni introduced YYJ-075.

The paper was amended to add the additional restrictions on PSM into the TC.

YYJ-075, as amended, was unanimously accepted. It does not resolve any documented comments.

14.34 Redundant Rule for <direct select statement: multiple rows> (YYJ-100)

Hugh Darwen introduced YYJ-100.

YYJ-100 was accepted unanimously. It does not resolve any documented comments.

15 National Body Closing Comments

15.1 Australia

Not present.

15.2 Belgium

Not present.

15.3 Brazil

No closing comments.

15.4 Canada

Canada is pleased with the progress on XML, JRT FCD, and continuation CD editing meetings.

Canada feels that the NCITS H2 co-located meeting was not successful. Canada feels that it is important that the operating procedures and agenda be clearly defined and available in enough time for NBs to review in their home NB meetings.

Canada noted that at this co-located meeting, a large majority of the time was spent in H2-only sessions. Perhaps this was due to the way the WG3 and editing meeting agendas were set up.

Canada feels that in the future we should re-consider the "co-located meeting" concept and instead go for "sequential meetings" where H2 has their meeting and invites WG3 NBs to attend.

Canada continues to object to CAN-P02-001 MULTISSET comment being closed before the end of the editing meeting. We do not feel this has been satisfactorily addressed. In past editing meetings, if any NB objected to their ballot comment being closed, the meeting kept it open. We are concerned about the change of mode of operations.

Canada was pleased to have hosted the E3B electronic editing meeting in July-Aug 2001. We are pleased to offer to host this again on the SCC Forum for the upcoming July 2002 period.

15.5 China

Not present.

15.6 Czech Republic

Not present.

15.7 Denmark

Not present.

15.8 Finland

Not present.

15.9 France

Not present.

15.10 Germany

No closing comments.

15.11 Italy

Not present.

15.12 Japan

Japan is pleased with the progress made in this meeting.

Japan really appreciates many helps of Krishna Kulkarni for resolving Japanese comment on a transition table of trigger.

Japan is also pleased that Unicode escape sequence is supported as suitable functionality for the environment of Japan and Far East countries.

Japan is going to continue to check new draft.

Japan would like to thank Canadian national body for the excellent meeting arrangements and social events.

15.13 Netherlands

The Netherlands is slightly disappointed that we did not close a few more ballot comments, but accepts that this was all that could be achieved in this round. The Netherlands believes that the output document will be suitable for submission to FCD ballot.

15.14 Norway

Not present.

15.15 Republic of Korea

Not present.

15.16 United Kingdom

No closing comments

15.17 United States

No closing comments.

15.18 Sweden

Not present.

15.19 Austria

Not present.

15.20 Russian Federation

Not present.

16 Recommendations**16.1 Preparation of Revised Texts**

Editor should produce revised texts out of this meeting by 15th January 2002

16.2 Disposition of Comments Report

The Disposition of Comments Report will consist of the Minutes of the editing meetings plus the consolidated disposition of comments document.

16.3 Recommendation Regarding Progression

The UK proposed and the USA seconded a Recommendation that the output texts from this meeting be submitted for FCD ballot as soon as available.

The Recommendation was approved unanimously.

17 Action Items

The Editor to produce new text for all the documents that were the subject of the meeting.

18 Adjourn

The meeting closed at 17.30 on Thursday October 25th.

Appendix A

ISO/IEC JTC1/SC32/WG3
DOCUMENT REGISTER
15th October – 26th October 2001
Victoria, Canada

Paper Prefix: WG3 YYJ

Agenda references: WG: Working Group Meeting
EM ISO 9075 Parts 1, 2, 3, 4, 9, 10 & 11 CD Editing Meeting
EJ: ISO 9075 Part 13 FCD Editing Meeting

No.	Source	Title	Agenda
001	Brown	Minutes from Perth, Australia WG Meeting	WG 5.1
002R1	Cannan	Technical Corrigendum #5 WD	WG 6.13
003	Melton	ISO 9075-1 SQL/Framework CD Interim Text	WG 6.14 EM 5.5
004	Melton	ISO 9075-2 SQL/Foundation CD Interim Text	WG 6.15 EM 5.6
005	Melton	ISO 9075-3 SQL/CLI CD Interim Text	WG 6.16 EM 5.7
006	Melton	ISO 9075-4 SQL/PSM CD Interim Text	WG 6.17 EM 5.8
007	Melton	ISO 9075-7 SQL/Temporal WD	WG 6.18
008	Melton	ISO 9075-9 SQL/MED CD Interim Text	WG 6.19 EM 5.9
009	Melton	ISO 9075-10 SQL/OLB CD Interim Text	WG 6.20 EM 5.10
010	Melton	ISO 9075-11 SQL/Schemata CD Interim Text	WG 6.21 EM 5.11
011p	Melton	ISO 9075-13 SQL/JRT FCD	WG 6.22 EJ 5.2
012p	Melton	ISO 9075-14 SQL/XML WD	WG 6.23
013	Brown	Minutes of the CD Editing Meeting	EM 5.3
014R2	Cannan	Minutes of the 1 st Continuation Editing Meeting	EM 5.4
015	Melton	CD 9075 Consolidated Ballot Comments	EM 5.12
016	Melton	CD 9075 Outstanding Ballot Comments	EM 5.13
017R2	Melton	FCD 9075-13 Consolidated Ballot Comments	EJ 5.3
018	Cannan	Calling notice for SQL 2nd Continuation CD Editing Meeting (32N00645)	EM 5.2
019	Cannan	Calling notice for SQL/JRT FCD Editing Meeting (32N00646)	EJ 5.1
020	Cannan	Convenor's recommendation on progression to the SC32 secretariat	EM 5.1
021	USA	Perth impacts on SQL/XML (H2-2001-299)	WG 20.1
022	USA	USA ballot comments on FCD 9075-13 (SQL/JRT) (H2-2001-333)	EJ 6.17
023R1	GBR	Comments to accompany UK ballot response on FCD 9075-13	EJ 6.16
024	DEU	Ballot comments on ISO/IEC FCD 9075-13, SQL/JRT (SC 32 N00633).	EJ 6.10
025R1	USA	SQL/XML Namespace (H2-2001-315)	WG 20.2
026	USA	Alignment with XML Schema Recommendations (H2-2001-317)	WG 20.4
027	NLD	Ballot comments on ISO/IEC FCD 9075-13, SQL/JRT	EJ 6.13
028	JPN	Japan Ballot Comment on FCD 9075-13	EJ 6.12
029R2	Kotera	An addition of general rules about transition table	EM 8.47
030R2	Darwen / Sykes / Zemke	Resolving several problems with collations and coercibility	EM 8.3
031R3	Sykes	SET [CURRENT] COLLATION statement	EM 14.30
032	Darwen	Addressing more problems with exception handling	EM 10.3
033	Panny	Vienna meeting arrangements	WG 23.4
034	David	NEW SAVEPOINT LEVEL	EM 8.49
035	Kreyss	Adding <method selection> to SQL	EM 8.2
036	USA	Problems with <declare cursor>	EM 8.43

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No.	Source	Title	Agenda
037	USA	Corrections to the SQLXML Namespace (H2-2001-372)	WG 20.3
038R1	USA	Mapping Tables to XML Documents (H2-2001-373)	WG 20.5
039	USA	Addressing comments related to SQL/JRT Terminology (H2-2001-403)	EJ 8.5 EJ 8.7 EJ 8.8
040	USA	Convert English to non-terminals in SQL/JRT (H2-2001-404)	EJ 8.6 EJ 8.128
041	USA	Additional SQL/JRT fixes (H2-2001-405)	EJ 9.2
042	USA	USA-P13-070 Can SQL overload Java methods? (H2-2001-406)	EJ 8.98 EJ 8.106
043	USA	USA-P13-117 When should SQLException code be changed? (H2-2001-407)	EJ 8.138
044R2	USA	Sequence generators (H2-2001-411)	EM 8.66
045R1	USA	SQL extensions for sampling (H2-2001-412)	EM 8.20
046R1	USA	SQL/JRT Java parameter list determination: Cleanup (H2-2001-419)	EJ 8.107 EJ 8.113
047	USA	Enhancing CREATE TABLE AS	EM 14.31
048	USA	Exceptions for aggregate functions	EM 8.28
049	USA	Update in place for DATALINKs	EM 11.2
050	USA	Function mapping for SQL/MED	EM 11.1
051	USA	Comments on NCTIS-H2-2001-417 / WG3 YYJ-030	EM 8.3
052	USA	Addressing comments concerning identity columns	EM 8.32 EM 8.34 EM 8.48
053	Cannan / Deutsch	Draft Procedures for Co-Located Meetings	WG 6.24
054	Rys	Response to the proposals in H2-2001-373	WG 20.5
055	Cannan	Resolving Kent Karlsson's comments on Normative references for Part 2	EM 8.1
056	Shiratori	Request for amendment - Unicode escape sequences for SQL	EM 8.74
057R1	Deckers / Pistor	Resolving SEQ# 142 (DEU-P02-007)	EM 8.25
058	Melton	Unicode Escape Sequences for SQL	EM 8.74
059	Cannan	Removing remnants of Temporal	EM 8.4
060	Darwen	Type preserver returns null	EM 8.27
061R1	Cannan	Closing opportunities not taken	EM 8.5 EM 8.10 EM 8.11 EM 8.18 EM 8.31 EM 8.61 EM 8.64 EM 8.65 EM 8.67 EM 8.68 EM 8.69 EM 8.70 EM 8.75 EM 11.3 EM 11.4 EM 13.7 EM 13.8 EM 13.9
062	Carlson	Validating SQL-Java Path	EJ 8.70
063R1	Carlson	Package Matching and SQL-Java Path	EJ 8.67 EJ 8.69
064	Carlson	Ensuring Java & non-Java Types Don't Mix	EJ 8.108 EJ 8.110 EJ 8.112
065	Zemke	Closing the conformance comments with no action	EM 8.51 EM 8.52 EM 8.53 EM 8.54 EM 8.55 EM 8.56 EM 8.57

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No.	Source	Title	Agenda
066	Farrar	Supply the "to be supplied" subclause 4.4	EJ 8.44 EJ 8.45 EJ 8.46 EJ 8.47
067	Carlson	Fixes for SQLJ Built-In Procedures	EJ 8.117 EJ 8.119 EJ 8.120 EJ 8.122 EJ 8.123 EJ 8.125 EJ 8.128 EJ 8.129 EJ 8.131 EJ-8.133
068	Carlson	Seq#210, Path specification	EJ 8.146
069R1	Hare	Updating JRT Conformance Clause	EJ 8.139 EJ 8.140
070	Farrar	SQL/F based JRT Routine Invocation	EJ 7.5 EJ 8.6 EJ 8.27 EJ 8.28 EJ 8.32 EJ 8.33 EJ 8.35 EJ 8.40 EJ 8.41 EJ 8.73 EJ 8.74 EJ 8.74 EJ 8.75 EJ 8.76 EJ 8.77 EJ 8.78 EJ 8.79 EJ 8.80 EJ 8.81 EJ 8.82 EJ 8.83 EJ 8.84 EJ 8.86 EJ 8.87 EJ 8.88 EJ 8.89 EJ 8.90 EJ 8.91 EJ 8.92 EJ 8.93 EJ 8.94 EJ 8.95 EJ 8.96 EJ 8.97 EJ 8.99 EJ 8.100 EJ 8.101 EJ 8.102 EJ 8.105

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No.	Source	Title	Agenda
071	Carlson / Melton	A baker's dozen of JRT comments	EJ 8.2 EJ 8.3 EJ 8.6 EJ 8.13 EJ 8.15 EJ 8.16 EJ 8.59 EJ 8.60 EJ 8.71 EJ 8.114 EJ 8.115 EJ 8.134 EJ 8.158
072	Carlson	Implementation-dependent and implementation-defined	EJ 7.20 EJ 8.141 EJ 8.142 EJ 8.160
073R1	Zemke	Discussion of collation	EM 8.3
074	Cannan	OID for JRT	EJ 8.11 EJ 8.12
075	Kulkarni	Cleanup of DROP GRs	EM 14.33
076	Cannan	Applying changes to SQL/XML equivalent to those in YYJ-055 and YYJ-059	WG 20.6
077	Cannan	Applying changes to SQL/JRT equivalent to those in YYJ-055 and YYJ-059	EJ 9.3
078	Cannan	Closing a few more unfortunate comments	EM 12.3
079R3	Cannan	Sorting out schema and dynamic statements in routines and triggers	EM 8.9
080R1	Cannan	WG3 Planning	WG3 23.1 WG 23.4
081	Cannan	Updating the tagging conventions in Framework	EM 14.32
082	Zemke	Solutions to Annex F comments	EM 8.58 EM 8.59 EM 8.60
083R1	Zemke	Recursive USAGE privileges	EM 8.33
084	Carlson	SEQ#199: JRT Information Schema	EJ 8.137
085	Carlson	SEQ#95: Java exceptions' SQLState	EJ 8.55
086	Farrar	Addressing Ballot Comment SEQ #61	EJ 8.29
087	Farrar	Addressing a PP concerning typed tables and views	EJ 9.4
088	Carlson	SQL/JRT last inning stretch (6 comments)	EJ 8.26 EJ 8.36 EJ 8.39 EJ 8.52 EJ 8.72
089	Melton	Two JRT Comments Resolved	EJ 8.64 EJ 8.136
090R1	Zemke	Some containment comments	EM 7.1, EM 8.21 EM 8.29
091	Melton	Fixing character comparability	EM 8.6
092	Zemke	Updatability of UNION, INTERSECT and EXCEPT	EM 8.23
093	Cannan / Melton	Project Corrections from WG 03	WG 23.1
094	Melton / Ashworth	A Naming Schema for "Base Documents"	WG 23.2
095	Carlson / Farrar	SEQ#224: Java UDT comparison	EJ 8.159
096	Piprani / O'Connell	Resolving #588	EM 13.3
097R2	Cannan	JTC 1/SC 32/ WG 03 Plenary Resolutions, 2001-10-25, Victoria, BC, Canada	WG 23.2 WG 23.4
098	WG3	SC 32 Internal Liaisons - Corrections from WG 03	WG 23.3
099	WG3	SC 32 External Liaisons - Corrections from WG 03	WG 23.3
100	Darwen	Redundant Rule for <direct select statement: multiple rows>	EM 14.34
101	Cannan	WG 3 Convenor's Report to the SC 32 October 2001 Plenary	WG 22.1
102	Zemke	Clarifying the type of numeric expressions	EM 8.14
103	Brown	Specifies as a specification of containment	EM 7.2

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No.	Source	Title	Agenda
104	Carlson	SQL to Java type mapping	EJ 8.137
105	Zemke	Cleanup of <table reference>	EM 8.19
106	Farrar	Re: The "final" 6 ...	EJ 8.98