

# ISO/IEC JTC 1/SC 32 N 0288

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REPLACES: --

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ISO

International Organization for Standardization

**ISO/IEC JTC 1/SC 32  
Data Management and Services  
WG3 Database Languages**

**Secretariat: USA (ANSI)**

- Projects:** 03.04.09
- Title:** Minutes of the ISO CD 9075-9 (SQL/MED) Editing Meetings  
Matsue, Japan, May 17 - 27, 1999
- Author:** Paul Cotton (Canada)
- Source:** CD Editing Meetings for ISO/IEC CD 9075-9, SQL/MED
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The meeting started at 9:00 AM on Monday May 17, 1999 at Kunibiki Messe in Matsue, Japan. . Stephen Cannan was in the chair.

## **1 Introduction Of Participants**

Don Bartley	(Australia)
Phil Brown	(UK)
Charles Campbell	(USA)
Stephen Cannan	(Netherlands) WG3 Convenor
Young-Jim Choi	(Korea) (attended from May 24)
Paul Cotton	(Canada)
Hugh Darwen	(UK)
Takashi Kotera	(Japan)
Krishna Kulkarni	(USA)
Jim Melton	(USA) Project Editor
Dae-Ha Park	(Korea) (attended from May 24)
Baba Piprani	(Canada) (attended from May 18)
Peter Pistor	(Germany)
Takaaki Shiratori	(Japan)
Masashi Tsuchida	(Japan)
Fred Zemke	(USA)

## **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. YGJ-027R2 was tabled by Jim Melton as a draft disposition of the SQL/MED ballot comments..

It was agreed that these minutes (WG3 RTM-015), a revised version of disposition of the SQL/MED comments document (WG3 RTM-017), and a revised text for SQL/MED would document the results of this CD editing meeting.

A resolution recorder was not deemed to be required.

## **4 Approval Of Agenda**

The original agenda for this meeting was published as SC32 N0015. 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 MED Editing Meeting (SC32 N00217) (YGJ-039)**

Noted.

### **5.2 FDIS 9075-1 SQL Part 1: Framework (YGJ-006)**

Noted.

**5.3 FDIS 9075-2 SQL Part 2: Foundation (YGJ-007)**

Noted.

**5.4 FDIS 9075-3 SQL Part 3: Call Level Interface (YGJ-031)**

Noted.

**5.5 FDIS 9075-4 SQL Part 4: Persistent Stored Modules (YGJ-008)**

Noted.

**5.6 FDIS 9075-5 SQL Part 5: Bindings (YGJ-009)**

Noted.

**5.7 Ballot Text CD 9075-9 SQL/MED (YGJ-023)**

Noted.

**5.8 Results of SC32 Ballot on CD 9075-9 (SC32 N00259)**

Noted. The ballot failed with following numerical vote: For: 4, Against: 6, Abstain: 3, and No vote: 4.

**5.9 Consolidated Ballot Comments – 9075-9 SQL/MED (YGJ-027R2)**

Noted.

**5.10 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**

**6.1 USA - Ballot Comments on CD 9075-9 SQL/MED (YGJ-032)**

USA is pleased with the thorough reviews by the national bodies on the SQL/MED CD ballot and SQL/OLB FCD ballot. USA believes that quick standardization of both these parts would benefit the market place tremendously. In particular, USA regards alignment of SQL/OLB document with JDBC 2.0 specification as the top priority. USA has submitted a number of papers to resolve comments on both these parts, but much work still needs to be done. USA is keen to work with other national bodies to resolve as many comments as possible at the respective editing meetings.

The USA prefers to continue the SQL/MED editing meeting if we do not resolve all the SQL/MED ballot comments.

**6.2 GBR - Ballot Comments on CD 9075-9 SQL/MED (YGJ-041)**

The UK is concerned about the quality of the draft. Although it may be improved by resolution of the comments that will be addressed by this meeting, the UK would be unhappy to see the document progress without a further opportunity to review a revised text and submit comments on it.

**6.3 CAN - Canada Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-042)**

Canada is very encouraged by the USA papers which address the SQL/MED ballot comments especially DBL YGJ-067. We believe that this paper is strongly related to the material in SC32 N0247 "Distributed

Database Access for SQL" and feel that we should use this paper to drive our response to the WG5 document.

**6.4 GER - Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-045)**

Regarding SQL/MED and SQL/OLB, Germany has made contributions to the ballots, and is willing to contribute in resolving the comments from that ballot process. From past experience, we are not confident, however, that this work can be accomplished at the current editing meetings.

**6.5 JPN Japan Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-047)**

No further opening comments.

**6.6 ITA (Italy) SQL/MED CD Ballot Comments (YGJ-051)**

No further opening comments.

**7 Resolution of Ballot Comments**

**7.1 Seq#001 (CAN-P09-001) (see comment)**

The meeting chose "database language SQL". Adopted unanimously.

**7.2 Seq#002 (CAN-P09-002) (see comment)**

Adopted unanimously.

**7.3 Seq#003 (CAN-P09-003) (see comment)**

Adopted unanimously.

**7.4 Seq#004 (JPN-P09-001)**

**Seq#012 (USA-P09-002)**

**Seq#043 (USA-P09-009)**

**Seq#044 (GBR-P09-012)**

**Seq#092 (USA-P09-018)**

**Seq#167 (CAN-P09-045)**

**Seq#168 (CAN-P09-046)**

**Seq#169 (CAN-P09-050)**

**Seq#170 (CAN-P09-051)**

**Seq#171 (CAN-P09-052)**

**Seq#172 (CAN-P09-057)**

**Seq#173 (CAN-P09-059)**

**Seq#174 (CAN-P09-061)**

**Seq#176 (GBR-P09-067)**

**Seq#177 (GBR-P09-069)**

**Seq#178 (GBR-P09-070)**

**Seq#179 (GBR-P09-071)**

**Seq#180 (GBR-P09-076)**

**Seq#181 (GBR-P09-077)**

**Seq#182 (GBR-P09-082)**

**Seq#183 (GBR-P09-087)**

**Seq#184 (GBR-P09-088)**

**Seq#185 (GBR-P09-090)**

**Seq#187 (USA-P09-036)**

**Seq#188 (USA-P09-037)**

**Seq#189 (USA-P09-038)**

Seq#192 (USA-P09-041)  
Seq#194 (USA-P09-043)  
Seq#195 (JPN-P09-004)  
Seq#196 (CAN-P09-053)  
Seq#197 (CAN-P09-056)  
Seq#198 (GBR-P09-061)  
Seq#199 (GBR-P09-062) (see also comment)  
Seq#200 (GBR-P09-064) (see also comment)  
Seq#201 (GBR-P09-066)  
Seq#202 (GBR-P09-068) (see also comment)  
Seq#203 (GBR-P09-078)  
Seq#204 (GBR-P09-080) (see also comment)  
Seq#205 (GBR-P09-081) (see also comment)  
Seq#206 (GBR-P09-083) (see also comment)  
Seq#207 (GBR-P09-084)  
Seq#208 (GBR-P09-085)  
Seq#209 (GBR-P09-089)  
Seq#210 (GBR-P09-091) (see also comment)  
Seq#211 (GBR-P09-092)  
Seq#212 (USA-P09-044)  
Seq#213 (USA-P09-045)  
Seq#214 (USA-P09-046)  
Seq#215 (USA-P09-047) (see also comment)  
Seq#216 (USA-P09-048) (see also comment)  
Seq#217 (CAN-P09-047)  
Seq#218 (CAN-P09-048)  
Seq#219 (CAN-P09-049) (see also comment)  
Seq#220 (GBR-P09-072)  
Seq#221 (USA-P09-049)  
Seq#222 (USA-P09-050) (see also comment)  
Seq#223 (CAN-P09-054) (see also comment)  
Seq#224 (CAN-P09-055) (see alsocomment)  
Seq#225 (CAN-P09-058) (see also comment)  
Seq#226 (CAN-P09-060) (see also comment)  
Seq#227 (GBR-P09-065) (see also comment)  
Seq#228 (GBR-P09-073) (see also comment)  
Seq#229 (GBR-P09-074) (see alsocomment)  
Seq#230 (GBR-P09-075) (see also comment)  
Seq#231 (GBR-P09-079) (see also comment)  
Seq#232 (GBR-P09-086) (see also comment)  
Seq#233 (GBR-P09-093) (see also comment)  
Seq#234 (USA-P09-051) (see also comment)  
Seq#235 (ITA-P09-002)  
Seq#244 (ITA-P09-003)  
Seq#251 (CAN-P09-065)  
Seq#252 (DEU-P09-028)  
Seq#253 (DEU-P09-029)  
Seq#254 (USA-P09-053)  
Seq#255 (USA-P09-054)  
Seq#256 (CAN-P09-066)  
Seq#257 (USA-P09-055) (YGJ-067)

Krishna Kulkarni presented an overview of YGJ-067. Paul Cotton pointed out several deficiencies in the present paper and volunteered to help the authors make the paper more complete.

Krishna Kulkarni and Paul Cotton provided an overview of the revised document YGJ-067R1 including the extensive Possible Problem at the end of the paper. Additional PP's were identified during discussion of the revised paper.

DBL YGJ-067R1 was adopted unanimously.

**7.5 Seq#046 (USA-P09-010) (YGJ-067 – partial)**

Resolved by YGJ-067R1. See agenda item 7.4.

**7.6 Seq#132 (USA-P09-019) (YGJ-067 – partial)**

Open.

**7.7 Seq#147 (USA-P09-024) (YGJ-067 – partial)**

Open.

**7.8 Seq#148 (USA-P09-025) (YGJ-067 – partial)**

Open.

**7.9 Seq#149 (USA-P09-026) (YGJ-067 – partial)**

Open.

**7.10 Seq#186 (USA-P09-035) (YGJ-067 – partial)**

Resolved by YGJ-067R1. See agenda item 7.4.

**7.11 Seq#190 (USA-P09-039) (YGJ-067 – partial)**

Open.

**7.12 Seq#191 (USA-P09-040) (YGJ-067 – partial)**

Open.

**7.13 Seq#193 (USA-P09-042) (YGJ-067 – partial)**

Open.

**7.14 Seq#278 (CAN-P09-082) (YGJ-067 – partial)**

Open.

**7.15 Seq#006 (CAN-P09-004) (see also comment)**

**Seq#024 (CAN-P09-012)**

**Seq#026 (GBR-P09-005) (see also 7.28)**

**Seq#027 (GBR-P09-004)**

**Seq#034 (GBR-P09-011)**

**Seq#062 (USA-P09-013) (YGJ-066)**

Amended as follows:

a) In proposal part 2.3.2, first paragraph, replace the second, third, and fourth sentences with: “This part of ISO/IEC 9075 standardizes the way that an SQL-server is made aware of datalink values and how applications retrieve information about the external data sources identified by datalink values. The mechanisms that enable integrity control, recovery, and access control for the external data sources represented by the datalink values are implementation-dependent. These mechanisms are collectively called the datalinker.”

b) In proposal part 2.3.2, last paragraph, replace the last sentence with: “Every attempt by an application to access, without a valid access token, a linked external data source will fail.”

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Adopted unanimously as amended. Adoption of this paper resolves the following ballot comments:

- a) Seq#006 (CAN-P09-004) (see also comment)
- b) Seq#024 (CAN-P09-012)
- c) Seq#026 (GBR-P09-005)
- d) Seq#027 (GBR-P09-004)
- e) Seq#034 (GBR-P09-011)
- f) Seq#062 (USA-P09-013)

**7.16 Seq#011 (USA-P09-001) (YGJ-066 – partial)  
(YGJ-067 – partial)**

Open.

**7.17 Seq#005 (CAN-P09-005) (see comment)**

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

Solution adopted (6-1-0).

**7.18 Seq#007 (CAN-P09-006) (see comment)**

Adopted unanimously.

**7.19 Seq#008 (CAN-P09-007) (see comment)**

Adopted unanimously.

**7.20 Seq#009 (CAN-P09-008) (see comment)**

Adopted unanimously.

**7.21 Seq#010 (GBR-P09-001) (see comment)**

Adopted unanimously

**7.22 Seq#017 (CAN-P09-010) (see comment)**

Adopted unanimously.

**7.23 Seq#018 (CAN-P09-011) (see comment)**

Adopted unanimously.

**7.24 Seq#019 (GBR-P09-003) (see comment)**

Adopted unanimously.

**7.25 Seq#020 (USA-P09-004)**  
**Seq#021 (DEU-P09-003)**  
**Seq#022 (GBR-P09-007)**  
**Seq#023 (USA-P09-005)**  
**Seq#025 (CAN-P09-013)**  
**Seq#028 (GBR-P09-006) (see also 7.28)**  
**Seq#029 (USA-P09-006)**  
**Seq#032 (GBR-P09-008)**  
**Seq#033 (USA-P09-007)**  
**Seq#036 (USA-P09-008)**  
**Seq#037 (CAN-P09-014) (partial)**  
**Seq#040 (CAN-P09-017)**  
**Seq#063 (CAN-P09-021)**  
**Seq#065 (GBR-P09-017)**  
**Seq#066 (DEU-P09-013)**  
**Seq#067 (GBR-P09-018)**  
**Seq#068 (USA-P09-014)**  
**Seq#070 (CAN-P09-020)**  
**Seq#072 (CAN-P09-023)**  
**Seq#073 (DEU-P09-015)**  
**Seq#074 (DEU-P09-016)**  
**Seq#075 (DEU-P09-017)**  
**Seq#076 (GBR-P09-022)**  
**Seq#078 (DEU-P09-014)**  
**Seq#077 (USA-P09-016)**  
**Seq#079 (GBR-P09-020)**  
**Seq#080 (GBR-P09-021)**  
**Seq#081 (GBR-P09-023)**  
**Seq#082 (CAN-P09-024)**  
**Seq#102 (GBR-P09-039) (YGJ-075)**

Amended as follows:

- a) add a normative reference to RFC 1738 (preferably with an IETF reference instead of a W3C reference)
- b) section 2.8, change the note to the reader into the Function of the new subclause
- c) add the new SQLSTATE to the Ada package
- d) put the terms "link type" and "file reference" (spelt with and without caps) into a canonical form

Adopted unanimously as amended. Adoption of YGJ-075 resolves the following ballot comments:

- a) Seq#020 (USA-P09-004)
- b) Seq#021 (DEU-P09-003)
- c) Seq#022 (GBR-P09-007)
- d) Seq#023 (USA-P09-005)
- e) Seq#025 (CAN-P09-013)
- f) Seq#028 (GBR-P09-006)
- g) Seq#029 (USA-P09-006)
- h) Seq#032 (GBR-P09-008)
- i) Seq#033 (USA-P09-007)
- j) Seq#036 (USA-P09-008)
- k) Seq#037 (CAN-P09-014) (partial)
- l) Seq#040 (CAN-P09-017)
- m) Seq#063 (CAN-P09-021)
- n) Seq#065 (GBR-P09-017)
- o) Seq#066 (DEU-P09-013)
- p) Seq#067 (GBR-P09-018)

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- q) Seq#068 (USA-P09-014)
- r) Seq#070 (CAN-P09-020)
- s) Seq#072 (CAN-P09-023)
- t) Seq#073 (DEU-P09-015)
- u) Seq#074 (DEU-P09-016)
- v) Seq#075 (DEU-P09-017)
- w) Seq#076 (GBR-P09-022)
- x) Seq#078 (DEU-P09-014)
- y) Seq#077 (USA-P09-016)
- z) Seq#079 (GBR-P09-020)
- aa) Seq#080 (GBR-P09-021)
- bb) Seq#081 (GBR-P09-023)
- cc) Seq#082 (CAN-P09-024)
- dd) Seq#102 (GBR-P09-039)

### **7.26 Seq#039 (CAN-P09-016) (YGJ-075)**

Resolved by the adoption of DBL YGJ-075 (see agenda item 7.26).

### **7.27 Seq#030 (GBR-P09-009)**

- Seq#031 (GBR-P09-010)**
- Seq#056 (DEU-P09-012)**
- Seq#057 (GBR-P09-016)**
- Seq#058 (DEU-P09-011)**
- Seq#059 (GBR-P09-015)**
- Seq#060 (USA-P09-012)**
- Seq#061 (JPN-P09-002) (YGJ-065)**

Adopted unanimously. Adoption of DBL YGJ-065 resolves the following ballot comments:

- a) Seq#030 (GBR-P09-009)
- b) Seq#031 (GBR-P09-010)
- c) Seq#056 (DEU-P09-012)
- d) Seq#057 (GBR-P09-016)
- e) Seq#058 (DEU-P09-011)
- f) Seq#059 (GBR-P09-015)
- g) Seq#060 (USA-P09-012)
- h) Seq#061 (JPN-P09-002)

### **7.28 Seq#086 (CAN-P09-026)**

- Seq#087 (CAN-P09-027)**
- Seq#088 (GBR-P09-025)**
- Seq#089 (USA-P09-017)**
- Seq#090 (GBR-P09-026) (see comment)**
- Seq#091 (CAN-P09-028) (YGJ-084)**

Section 2.1 was withdrawn.

Adopted unanimously. Adoption of DBL YGJ-084 resolves the following ballot comment:

- a) Seq#086 (CAN-P09-026)
- b) Seq#087 (CAN-P09-027)
- c) Seq#088 (GBR-P09-025)
- d) Seq#089 (USA-P09-017)
- e) Seq#090 (GBR-P09-026) (see comment)
- f) Seq#091 (CAN-P09-028)

**7.29 Seq#097 (GBR-P09-029)  
Seq#099 (GBR-P09-027)  
Seq#250 (GBR-P09-097) (YGJ-083)**

Amended as follows:

a) section 2.2, point 8, delete the proposed subrule GR 1)a).

Adopted unanimously. Adoption of YGJ-083 resolves the following ballot comments:

- a) Seq#097 (GBR-P09-029)
- b) Seq#099 (GBR-P09-027)
- c) Seq#250 (GBR-P09-097)
- d) Seq#095 (DEU-P02-020)
- e) Seq#100 (GBR-P02-028)

**7.30 Seq#095 (DEU-P09-020) (YGJ-083 –maybe)**

See agenda item 7.29.

**7.31 Seq#100 (GBR-P09-028) (YGJ-083 – maybe)**

See agenda item 7.29.

**7.32 Seq#141 (GBR-P09-053) (see comment)**

Adopted unanimously.

**7.33 Seq#142 (GBR-P09-056) (see comment)**

Adopted unanimously.

**7.34 Seq#143 (GBR-P09-058) (see comment)**

Adopted unanimously.

**7.35 Seq#144 (GBR-P09-059) (see comment)**

Adopted unanimously.

**7.36 Seq#151 (USA-P09-028) (see comment)**

Adopted unanimously.

**7.37 Seq#152 (USA-P09-029) (see comment)**

Adopted unanimously.

**7.38 Seq#153 (USA-P09-030) (see comment)**

Adopted unanimously.

**7.39 Seq#159 (CAN-P09-035) (see comment)**

Adopted unanimously.

**7.40 Seq#160 (CAN-P09-037) (see comment)**

Adopted unanimously.

**7.41 Seq#161 (GBR-P09-041) (see comment)**

Adopted unanimously.

**7.42 Seq#163 (GBR-P09-045) (see comment)**

Open.

## WG3 RTM-015

### **7.43 Seq#164 (GBR-P09-054) (see comment)**

Adopted unanimously.

### **7.44 Seq#165 (USA-P09-033) (Editorially resolved)**

Adopted unanimously.

### **7.45 Seq#166 (ITA-P09-001) (see comment)**

Adopted unanimously.

### **7.46 Seq#239 (DEU-P09-024) (see comment)**

Resolved as editorial.

### **7.47 Seq#241 (GBR-P09-095) (see comment)**

Adopted unanimously.

### **7.48 Seq#242 (GBR-P09-096) (see comment)**

Closed as a duplicate of Seq#241. See agenda item 7.47.

### **7.49 Seq#243 (DEU-P09-023) (see comment)**

Resolved as editorial.

### **7.50 Seq#248 (GBR-P09-102) (YGJ-082)**

For: Canada, Germany, Japan, Korea, Netherlands, UK

Against: USA

Abstain: None

DBL YGJ-082 was adopted (6-1-0) and resolves this ballot comment.

### **7.51 Seq#258 (CAN-P09-067) (see comment)**

Adopted unanimously.

### **7.52 Seq#259 (CAN-P09-068) (see comment)**

Adopted unanimously.

### **7.53 Seq#260 (CAN-P09-069) (see comment)**

Resolved as editorial.

### **7.54 Seq#261 (CAN-P09-070) (see comment)**

Resolved as editorial.

### **7.55 Seq#262 (GBR-P09-098) (see comment)**

Resolved as editorial.

### **7.56 Seq#263 (GBR-P09-099) (see comment)**

Resolved with no action.

### **7.57 Seq#264 (CAN-P09-071) (see comment)**

DBL YGJ-094 was adopted unanimously and resolves the following ballot comments:

1) SEQ#264 CAN-P09-071

2) SEQ#266 CAN-P09-073

3) SEQ#267 CAN-P09-074

4) SEQ#268 CAN-P09-075

- 5) SEQ#271 DEU-P09-030
- 6) SEQ#272 USA-P09-056
- 7) SEQ#273 CAN-P09-078
- 8) SEQ#274 DEU-P09-031
- 9) SEQ#275 CAN-P09-079
- 10) SEQ#276 CAN-P09-080
- 11) SEQ#277 CAN-P09-081
- 12) SEQ#279 CAN-P09-083
- 13) SEQ#289 CAN-P09-091
- 14) SEQ#290 CAN-P09-092
- 15) SEQ#293 CAN-P09-094

The following ballot comment is partially resolved by this paper:

- 1) SEQ#265 CAN-P09-072

The following ballot comments remain unresolved after adoption of this paper:

- 1) SEQ#269 CAN-P09-076
- 2) SEQ#270 CAN-P09-077

**7.58 Seq#266 (CAN-P09-073) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.59 Seq#267 (CAN-P09-074) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.60 Seq#268 (CAN-P09-075) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.61 Seq#273 (CAN-P09-078) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.62 Seq#275 (CAN-P09-079) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.63 Seq#284 (CAN-P09-086) (see comment)**

Resolved as editorial.

**7.64 Seq#287 (CAN-P09-089) (see comment)**

Resolved as editorial.

**7.65 Seq#288 (CAN-P09-090) (see comment)**

Resolved as editorial.

**7.66 Seq#289 (CAN-P09-091) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.67 Seq#290 (CAN-P09-092) (see comment)**

Resolved by YGJ-094. See agenda item 7.57.

**7.68 Seq#297 (JPN-P09-006) (YGJ-049)**

For: Japan

Against: Canada, Netherlands

Abstain: Germany, UK, USA

## WG3 RTM-015

Paper failed (1-2-3).

This ballot comment remains unresolved.

**7.69 Seq#013 (DEU-P09-001)**

Open.

**7.70 Seq#014 (GBR-P09-002)**

Open.

**7.71 Seq#015 (DEU-P09-002)**

Open.

**7.72 Seq#016 (USA-P09-003)**

Open.

**7.73 Seq#035 (GBR-P09-101)**

Open.

**7.74 Seq#038 (CAN-P09-015)**

Open.

**7.75 Seq#041 (DEU-P09-004)**

Resolved by YGJ-067R1. See agenda item 7.4.

**7.76 Seq#042 (DEU-P09-005) (YGJ-067R1)**

Adopted unanimously.

**7.77 Seq#045 (DEU-P09-006)**

Resolved with no action since the problem was removed by YGJ-083.

**7.78 Seq#047 (GBR-P09-013)**

Open.

**7.79 Seq#048 (CAN-P09-018)**

Open.

**7.80 Seq#049 (CAN-P09-019)**

Open.

**7.81 Seq#050 (DEU-P09-008)**

Open.

**7.82 Seq#051 (DEU-P09-009)**

Open.

**7.83 Seq#052 (DEU-P09-010)**

Open.

**7.84 Seq#053 (GBR-P09-014)**

Open.

**7.85 Seq#054 (USA-P09-011)**

Open.

**7.86 Seq#055 (DEU-P09-007)**

Resolved as editorial.

**7.87 Seq#064 (CAN-P09-022)**

Open.

**7.88 Seq#069 (USA-P09-015)**

Open.

**7.89 Seq#071 (GBR-P09-019)**

Open.

**7.90 Seq#083 (DEU-P09-018)**

Resolved as editorial.

**7.91 Seq#084 (CAN-P09-025)**

Resolved as editorial.

**7.92 Seq#085 (GBR-P09-024)**

Open.

**7.93 Seq#093 (DEU-P09-025)**

Problem was resolved by YGJ-067R1. Krishna will enter an Language Opportunity for triggers on foreign tables.

**7.94 Seq#094 (DEU-P09-026)**

Problem was resolved by YGJ-067R1. Krishna will enter an Language Opportunity for table constraints on foreign tables.

**7.95 Seq#096 (DEU-P09-021)**

Resolved by YGJ-075. See agenda item 7.25.

**7.96 Seq#098 (DEU-P09-019)**

Resolved as editorial.

**7.97 Seq#101 (CAN-P09-029)**

Open.

**7.98 Seq#103 (GBR-P09-030) (YGJ-086, YGJ-107)**

DBL YGJ-107 was adopted unanimously and resolves this ballot comment.

**7.99 Seq#104 (GBR-P09-031) (YGJ-086)**

DBL YGJ-082 and YGJ-083 resolved this ballot comment.

DBL YGJ-086 was adopted unanimously under this agenda item even though its technical proposal does not speak directly to this ballot comment.

**7.100 Seq#105 (CAN-P09-009)**

Open.

**7.101 Seq#106 (CAN-P09-030)**

Open.

**WG3 RTM-015**

**7.102 Seq#107 (CAN-P09-031)**

Open.

**7.103 Seq#108 (CAN-P09-032)**

Open.

**7.104 Seq#109 (CAN-P09-033)**

Open.

**7.105 Seq#110 (CAN-P09-034)**

Open.

**7.106 Seq#111 (CAN-P09-036)**

Open.

**7.107 Seq#112 (CAN-P09-038)**

Open.

**7.108 Seq#113 (CAN-P09-039)**

Open.

**7.109 Seq#114 (CAN-P09-040)**

Open.

**7.110 Seq#115 (CAN-P09-041)**

Open.

**7.111 Seq#116 (CAN-P09-042)**

Open.

**7.112 Seq#117 (CAN-P09-043)**

Open.

**7.113 Seq#118 (CAN-P09-044)**

Open.

**7.114 Seq#119 (GBR-P09-032)**

Open.

**7.115 Seq#120 (GBR-P09-033)**

Open.

**7.116 Seq#121 (GBR-P09-034)**

Open.

**7.117 Seq#122 (GBR-P09-035)**

Open.

**7.118 Seq#123 (GBR-P09-042)**

Open.

**7.119 Seq#124 (GBR-P09-043)**

Open.

**7.120 Seq#125 (GBR-P09-046)**

Open.

**7.121 Seq#126 (GBR-P09-048)**

Open.

**7.122 Seq#127 (GBR-P09-049)**

Open.

**7.123 Seq#128 (GBR-P09-050)**

Open.

**7.124 Seq#129 (GBR-P09-051)**

Open.

**7.125 Seq#130 (GBR-P09-057)**

Open.

**7.126 Seq#131 (GBR-P09-060)**

Open.

**7.127 Seq#133 (USA-P09-020)**

Open.

**7.128 Seq#134 (USA-P09-021)**

Open.

**7.129 Seq#135 (USA-P09-034)**

Open.

**7.130 Seq#136 (GBR-P09-036)**

Open.

**7.131 Seq#137 (GBR-P09-037)**

Open.

**7.132 Seq#138 (GBR-P09-038)**

Open.

**7.133 Seq#139 (GBR-P09-040)**

Open.

**7.134 Seq#140 (GBR-P09-052)**

Open.

**7.135 Seq#145 (USA-P09-022)**

Open.

**7.136 Seq#146 (USA-P09-023)**

Open.

**7.137 Seq#150 (USA-P09-027)**

Open.

**WG3 RTM-015**

**7.138 Seq#154 (GBR-P09-047)**

Open.

**7.139 Seq#155 (GBR-P09-055)**

Open.

**7.140 Seq#156 (USA-P09-031)**

Open.

**7.141 Seq#157 (USA-P09-032)**

Open.

**7.142 Seq#158 (JPN-P09-003)**

Resolved as editorial.

**7.143 Seq#162 (GBR-P09-044)**

Open.

**7.144 Seq#175 (GBR-P09-063)**

Resolved by YGJ-067R1.

**7.145 Seq#236 (CAN-P09-062)**

Open.

**7.146 Seq#237 (USA-P09-052)**

Open.

**7.147 Seq#238 (DEU-P09-022)**

Open.

**7.148 Seq#240 (GBR-P09-094)**

Open.

**7.149 Seq#245 (CAN-P09-063)**

Open.

**7.150 Seq#246 (CAN-P09-064)**

Open.

**7.151 Seq#247 (DEU-P09-027)**

Open.

**7.152 Seq#249 (JPN-P09-005)**

Open.

**7.153 Seq#265 (CAN-P09-072) (YGJ-095)**

YGJ-095 was adopted unanimously and resolves this ballot comment.

**7.154 Seq#269 (CAN-P09-076)**

Open.

**7.155 Seq#270 (CAN-P09-077)**

Open.

**7.156 Seq#271 (DEU-P09-030)**

Resolved by YGJ-094. See agenda item 7.57.

**7.157 Seq#272 (USA-P09-056)**

Resolved by YGJ-094. See agenda item 7.57.

**7.158 Seq#274 (DEU-P09-031)**

Resolved by YGJ-094. See agenda item 7.57.

**7.159 Seq#276 (CAN-P09-080)**

Resolved by YGJ-094. See agenda item 7.57.

**7.160 Seq#277 (CAN-P09-081)**

Resolved by YGJ-094. See agenda item 7.57.

**7.161 Seq#279 (CAN-P09-083)**

Resolved by YGJ-094. See agenda item 7.57.

**7.162 Seq#280 (CAN-P09-084)**

Open.

**7.163 Seq#281 (CAN-P09-085)**

Open.

**7.164 Seq#282 (GBR-P09-100)**

Open.

**7.165 Seq#283 (CAN-P09-087)**

Open.

**7.166 Seq#285 (CAN-P09-088)**

Open.

**7.167 Seq#286 (USA-P09-057)**

Open.

**7.168 Seq#291 (USA-P09-058)**

Open.

**7.169 Seq#292 (CAN-P09-093)**

Open.

**7.170 Seq#293 (CAN-P09-094)**

Resolved by YGJ-094. See agenda item 7.57.

**7.171 Seq#294 (CAN-P09-095)**

Open.

**7.172 Seq#295 (CAN-P09-096)**

Open.

**7.173 Seq#296 (CAN-P09-097)**

Open.

**7.174 Seq#298 (USA-P09-060)**

Open.

**7.175 Seq#299 (USA-P09-059)**

Open.

**7.176 Seq#300 (DEU-P09-032)**

Open.

## **8 National Body Closing Comments**

### **8.1 Australia**

No comment.

### **8.2 Canada**

Canada is pleased with the progress on SQL/MED and on its interaction with WG5 projects. Canada successful conclusion of the CD editing meeting at the first continuation editing meeting.

### **8.3 Germany**

No comment.

### **8.4 Japan**

I would like to thank all delegates for their interest and efforts in helping us make this meeting possible, especially those who have traveled great distances and taken valuable time from their very busy schedules to attend the MATSUE meeting.

### **8.5 Netherlands**

The Netherlands is pleased with the progress of SQL/MED and is pleased that the "scoping" issues with WG5 have been resolved. The discussions on the scoping issues will actually lead to a better final documents.

### **8.6 United Kingdom**

The UK expresses its appreciation to all the National Body representatives for their contributions to the success of the meeting. We wish particularly to thank Stephen Cannan, Jim Melton and Paul Cotton for their sterling work in leading the discussions and recording their results and our Japanese hosts for the excellent meeting facilities and social events.

The UK is pleased with the technical progress that has been made towards the resolution of the comments raised during the SQL/MED CD ballot, and hopes that many more will be addressed by papers submitted to the continuation comment resolution meeting in the Netherlands.

When it sees the effect of applying the accepted proposals to the CD ballot document, the UK will review, and may withdraw, its objection to progression of SQL/MED to FCD without a further ballot.

### **8.7 USA**

Though the SQL/MED CD Editing meeting did not succeed in resolving all the ballot comments, USA is pleased with the progress achieved. USA looks forward to completing the work at the continuation editing meeting. USA is pleased that the editing meeting delegates succeeded in forging a consensus with WG5 on the scope of the respective projects.

USA thanks Steve Cannan for chairing the editing meetings and making sure that the meetings were run smoothly and productively. USA also thanks Japanese national body for hosting the meetings and for the excellent meeting arrangements.

## 9 Recommendations

### 9.1 Preparation of Revised Texts Milestones for publication of SQL/MED (YGJ-058)

The following documents will be input to the WG3 and continuation editing meeting to be held in Netherlands on Oct 4-15, 1999:

#### Document Prefix: DBL RTM-

No.	Source	Title
001	Cotton	Minutes from Matsue 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 (SC32 N00292)
012	Melton	Master Index of ISO 9075 WDs
013	Melton	ISO 9075-9 SQL/MED Interim CD text
014	Melton	ISO 9075-10 SQL/OLB Interim FCD text
015	Cotton	Minutes of ISO 9075-9 SQL/MED CD Editing Meeting, Matsue (SC32 N00288)
016	Cotton	Minutes of ISO 9075-10 SQL/OLB FCD Editing Meeting, Matsue (SC32 N00289)
017	Melton	ISO 9075-9 SQL/MED CD Interim Disposition of Comments (SC32 N00290)
018	Melton	ISO 9075-10 SQL/OLB FCD Interim Disposition of Comments (SC32 N00291)
019	Darwen	Problems with STATIC DISPATCH
020	Darwen	Groundrules for the editorial revision of OLB

### 9.2 Disposition of Comments Report

DBL RTM-015 (these minutes) and DBL RTM-017 (Interim disposition of comments) will be input to the continuation editing meeting.

### 9.3 Recommendation Regarding Progression

Canada explained its criteria for moving to FCD on SQL/MED. In particular Canada stated that it felt the SQL/MED CD progression should not be hindered by the large number of unresolved comments on Abstract LOBs. UK agreed with this position and agreed to draft a paper for the continuation editing meeting that would cause abstract LOBS to be removed from the current CD document if the problems with these Clauses were not resolved.

Action item: Hugh Darwen agreed to draft a paper for the continuation editing meeting that would cause abstract LOBS to be removed from the current CD document if the problems with these Clauses are not resolved.

## **WG3 RTM-015**

Canada moved to recommend a continuation editing meeting for SQL/MED to be held in Netherlands on Oct 4-15, 1999.

Motion adopted unanimously.

### **10 Action Items**

1. Agenda item 9.3 of RTM-015: Hugh Darwen agreed to draft a paper for the continuation editing meeting that would cause abstract LOBS to be removed from the current SQL/MED CD document if the problems with these Clauses are not resolved.

### **11 Adjourn**

The SQL/MED CD editing meeting expresses its thanks to the Japanese delegation and the sponsoring organizations for its wonderful meeting facilities in Matsue. The meeting facilities and the meeting services (e.g. photocopying, PC computer facilities, etc.) were of the very highest standard and permitted the editing meeting to achieve significant results.

The meeting adjourned at 5:00 PM on Thursday May 27.

## Appendix A Final Agenda

**CD EDITING MEETINGS**  
**ISO/IEC CD 9075-9 — SQL/MED**  
**ISO/IEC JTC1/SC32**  
**17th May – 27th May, 1999**  
**Matsue, Japan**

- 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 MED Editing Meeting (SC32 N00217) (YGJ-039)
- 5.2 FDIS 9075-1 SQL Part 1: Framework (YGJ-006)
- 5.3 FDIS 9075-2 SQL Part 2: Foundation (YGJ-007)
- 5.4 FDIS 9075-3 SQL Part 3: Call Level Interface (YGJ-031)
- 5.5 FDIS 9075-4 SQL Part 4: Persistent Stored Modules (YGJ-008)
- 5.6 FDIS 9075-5 SQL Part 5: Bindings (YGJ-009)
- 5.7 Ballot Text CD 9075-9 SQL/MED (YGJ-023)
- 5.8 Results of SC32 Ballot on CD 9075-9 (SC32/N00259)
- 5.9 Consolidated Ballot Comments – 9075-9 SQL/MED (YGJ-027R2)
- 5.10 Convenor's Definition of Consensus
- 6 National Body Opening Comments
- 6.1 USA - Ballot Comments on CD 9075-9 SQL/MED (YGJ-032)
- 6.2 GBR - Ballot Comments on CD 9075-9 SQL/MED (YGJ-041)
- 6.3 CAN - Canada Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-042)
- 6.4 GER - Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-045)
- 6.5 JPN Japan Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED) (YGJ-047)
- 6.6 ITA (Italy) SQL/MED CD Ballot Comments (YGJ-051)
- 7 Resolution of Ballot Comments
- 7.1 Seq#001 (CAN-P09-001) (see comment)
- 7.2 Seq#002 (CAN-P09-002) (see comment)
- 7.3 Seq#003 (CAN-P09-003) (see comment)
- 7.4 Seq#004 (JPN-P09-001)
- Seq#012 (USA-P09-002)
- Seq#043 (USA-P09-009)
- Seq#044 (GBR-P09-012)
- Seq#092 (USA-P09-018)
- Seq#167 (CAN-P09-045)
- Seq#168 (CAN-P09-046)
- Seq#169 (CAN-P09-050)
- Seq#170 (CAN-P09-051)
- Seq#171 (CAN-P09-052)
- Seq#172 (CAN-P09-057)
- Seq#173 (CAN-P09-059)
- Seq#174 (CAN-P09-061)
- Seq#176 (GBR-P09-067)
- Seq#177 (GBR-P09-069)

## WG3 RTM-015

Seq#178 (GBR-P09-070)  
Seq#179 (GBR-P09-071)  
Seq#180 (GBR-P09-076)  
Seq#181 (GBR-P09-077)  
Seq#182 (GBR-P09-082)  
Seq#183 (GBR-P09-087)  
Seq#184 (GBR-P09-088)  
Seq#185 (GBR-P09-090)  
Seq#187 (USA-P09-036)  
Seq#188 (USA-P09-037)  
Seq#189 (USA-P09-038)  
Seq#192 (USA-P09-041)  
Seq#194 (USA-P09-043)  
Seq#195 (JPN-P09-004)  
Seq#196 (CAN-P09-053)  
Seq#197 (CAN-P09-056)  
Seq#198 (GBR-P09-061)  
Seq#199 (GBR-P09-062) (see also comment)  
Seq#200 (GBR-P09-064) (see also comment)  
Seq#201 (GBR-P09-066)  
Seq#202 (GBR-P09-068) (see also comment)  
Seq#203 (GBR-P09-078)  
Seq#204 (GBR-P09-080) (see also comment)  
Seq#205 (GBR-P09-081) (see also comment)  
Seq#206 (GBR-P09-083) (see also comment)  
Seq#207 (GBR-P09-084)  
Seq#208 (GBR-P09-085)  
Seq#209 (GBR-P09-089)  
Seq#210 (GBR-P09-091) (see also comment)  
Seq#211 (GBR-P09-092)  
Seq#212 (USA-P09-044)  
Seq#213 (USA-P09-045)  
Seq#214 (USA-P09-046)  
Seq#215 (USA-P09-047) (see also comment)  
Seq#216 (USA-P09-048) (see also comment)  
Seq#217 (CAN-P09-047)  
Seq#218 (CAN-P09-048)  
Seq#219 (CAN-P09-049) (see also comment)  
Seq#220 (GBR-P09-072)  
Seq#221 (USA-P09-049)  
Seq#222 (USA-P09-050) (see also comment)  
Seq#223 (CAN-P09-054) (see also comment)  
Seq#224 (CAN-P09-055) (see also comment)  
Seq#225 (CAN-P09-058) (see also comment)  
Seq#226 (CAN-P09-060) (see also comment)  
Seq#227 (GBR-P09-065) (see also comment)  
Seq#228 (GBR-P09-073) (see also comment)  
Seq#229 (GBR-P09-074) (see also comment)  
Seq#230 (GBR-P09-075) (see also comment)  
Seq#231 (GBR-P09-079) (see also comment)  
Seq#232 (GBR-P09-086) (see also comment)  
Seq#233 (GBR-P09-093) (see also comment)  
Seq#234 (USA-P09-051) (see also comment)  
Seq#235 (ITA-P09-002)



## WG3 RTM-015

Seq#074 (DEU-P09-016)  
Seq#075 (DEU-P09-017)  
Seq#076 (GBR-P09-022)  
Seq#078 (DEU-P09-014)  
Seq#077 (USA-P09-016)  
Seq#079 (GBR-P09-020)  
Seq#080 (GBR-P09-021)  
Seq#081 (GBR-P09-023)  
Seq#082 (CAN-P09-024)  
Seq#102 (GBR-P09-039) (YGJ-075)  
7.26 Seq#039 (CAN-P09-016) (YGJ-075 – partial)  
7.27 Seq#030 (GBR-P09-009)  
Seq#031 (GBR-P09-010)  
Seq#056 (DEU-P09-012)  
Seq#057 (GBR-P09-016)  
Seq#058 (DEU-P09-011)  
Seq#059 (GBR-P09-015)  
Seq#060 (USA-P09-012)  
Seq#061 (JPN-P09-002) (YGJ-065)  
7.28 Seq#086 (CAN-P09-026)  
Seq#087 (CAN-P09-027)  
Seq#088 (GBR-P09-025)  
Seq#089 (USA-P09-017)  
Seq#090 (GBR-P09-026) (see also comment)  
Seq#091 (CAN-P09-028) (YGJ-084)  
7.29 Seq#097 (GBR-P09-029)  
Seq#099 (GBR-P09-027)  
Seq#250 (GBR-P09-097) (YGJ-083)  
7.30 Seq#095 (DEU-P09-020) (YGJ-083 – maybe)  
7.31 Seq#100 (GBR-P09-028) (YGJ-083 – maybe)  
7.32 Seq#141 (GBR-P09-053) (see comment)  
7.33 Seq#142 (GBR-P09-056) (see comment)  
7.34 Seq#143 (GBR-P09-058) (see comment)  
7.35 Seq#144 (GBR-P09-059) (see comment)  
7.36 Seq#151 (USA-P09-028) (see comment)  
7.37 Seq#152 (USA-P09-029) (see comment)  
7.38 Seq#153 (USA-P09-030) (see comment)  
7.39 Seq#159 (CAN-P09-035) (see comment)  
7.40 Seq#160 (CAN-P09-037) (see comment)  
7.41 Seq#161 (GBR-P09-041) (see comment)  
7.42 Seq#163 (GBR-P09-045) (see comment)  
7.43 Seq#164 (GBR-P09-054) (see comment)  
7.44 Seq#165 (USA-P09-033) (Editorially resolved)  
7.45 Seq#166 (ITA-P09-001) (see comment)  
7.46 Seq#239 (DEU-P09-024) (see comment)  
7.47 Seq#241 (GBR-P09-095) (see comment)  
7.48 Seq#242 (GBR-P09-096) (see comment)  
7.49 Seq#243 (DEU-P09-023) (see comment)  
7.50 Seq#248 (GBR-P09-102) (YGJ-082)  
7.51 Seq#258 (CAN-P09-067) (see comment)  
7.52 Seq#259 (CAN-P09-068) (see comment)  
7.53 Seq#260 (CAN-P09-069) (see comment)  
7.54 Seq#261 (CAN-P09-070) (see comment)  
7.55 Seq#262 (GBR-P09-098) (see comment)

7.56 Seq#263 (GBR-P09-099) (see comment)  
7.57 Seq#264 (CAN-P09-071) (see comment)  
7.58 Seq#266 (CAN-P09-073) (see comment)  
7.59 Seq#267 (CAN-P09-074) (see comment)  
7.60 Seq#268 (CAN-P09-075) (see comment)  
7.61 Seq#273 (CAN-P09-078) (see comment)  
7.62 Seq#275 (CAN-P09-079) (see comment)  
7.63 Seq#284 (CAN-P09-086) (see comment)  
7.64 Seq#287 (CAN-P09-089) (see comment)  
7.65 Seq#288 (CAN-P09-090) (see comment)  
7.66 Seq#289 (CAN-P09-091) (see comment)  
7.67 Seq#290 (CAN-P09-092) (see comment)  
7.68 Seq#297 (JPN-P09-006) (YGJ-049)  
7.69 Seq#013 (DEU-P09-001)  
7.70 Seq#014 (GBR-P09-002)  
7.71 Seq#015 (DEU-P09-002)  
7.72 Seq#016 (USA-P09-003)  
7.73 Seq#035 (GBR-P09-101)  
7.74 Seq#038 (CAN-P09-015)  
7.75 Seq#041 (DEU-P09-004)  
7.76 Seq#042 (DEU-P09-005)  
7.77 Seq#045 (DEU-P09-006)  
7.78 Seq#047 (GBR-P09-013)  
7.79 Seq#048 (CAN-P09-018)  
7.80 Seq#049 (CAN-P09-019)  
7.81 Seq#050 (DEU-P09-008)  
7.82 Seq#051 (DEU-P09-009)  
7.83 Seq#052 (DEU-P09-010)  
7.84 Seq#053 (GBR-P09-014)  
7.85 Seq#054 (USA-P09-011)  
7.86 Seq#055 (DEU-P09-007)  
7.87 Seq#064 (CAN-P09-022)  
7.88 Seq#069 (USA-P09-015)  
7.89 Seq#071 (GBR-P09-019)  
7.90 Seq#083 (DEU-P09-018)  
7.91 Seq#084 (CAN-P09-025)  
7.92 Seq#085 (GBR-P09-024)  
7.93 Seq#093 (DEU-P09-025)  
7.94 Seq#094 (DEU-P09-026)  
7.95 Seq#096 (DEU-P09-021)  
7.96 Seq#098 (DEU-P09-019)  
7.97 Seq#101 (CAN-P09-029)  
7.98 Seq#103 (GBR-P09-030) (YGJ-086, YGJ-107)  
7.99 Seq#104 (GBR-P09-031) (YGJ-086)  
7.100 Seq#105 (CAN-P09-009)  
7.101 Seq#106 (CAN-P09-030)  
7.102 Seq#107 (CAN-P09-031)  
7.103 Seq#108 (CAN-P09-032)  
7.104 Seq#109 (CAN-P09-033)  
7.105 Seq#110 (CAN-P09-034)  
7.106 Seq#111 (CAN-P09-036)  
7.107 Seq#112 (CAN-P09-038)  
7.108 Seq#113 (CAN-P09-039)  
7.109 Seq#114 (CAN-P09-040)

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7.110 Seq#115 (CAN-P09-041)  
7.111 Seq#116 (CAN-P09-042)  
7.112 Seq#117 (CAN-P09-043)  
7.113 Seq#118 (CAN-P09-044)  
7.114 Seq#119 (GBR-P09-032)  
7.115 Seq#120 (GBR-P09-033)  
7.116 Seq#121 (GBR-P09-034)  
7.117 Seq#122 (GBR-P09-035)  
7.118 Seq#123 (GBR-P09-042)  
7.119 Seq#124 (GBR-P09-043)  
7.120 Seq#125 (GBR-P09-046)  
7.121 Seq#126 (GBR-P09-048)  
7.122 Seq#127 (GBR-P09-049)  
7.123 Seq#128 (GBR-P09-050)  
7.124 Seq#129 (GBR-P09-051)  
7.125 Seq#130 (GBR-P09-057)  
7.126 Seq#131 (GBR-P09-060)  
7.127 Seq#133 (USA-P09-020)  
7.128 Seq#134 (USA-P09-021)  
7.129 Seq#135 (USA-P09-034)  
7.130 Seq#136 (GBR-P09-036)  
7.131 Seq#137 (GBR-P09-037)  
7.132 Seq#138 (GBR-P09-038)  
7.133 Seq#139 (GBR-P09-040)  
7.134 Seq#140 (GBR-P09-052)  
7.135 Seq#145 (USA-P09-022)  
7.136 Seq#146 (USA-P09-023)  
7.137 Seq#150 (USA-P09-027)  
7.138 Seq#154 (GBR-P09-047)  
7.139 Seq#155 (GBR-P09-055)  
7.140 Seq#156 (USA-P09-031)  
7.141 Seq#157 (USA-P09-032)  
7.142 Seq#158 (JPN-P09-003)  
7.143 Seq#162 (GBR-P09-044)  
7.144 Seq#175 (GBR-P09-063)  
7.145 Seq#236 (CAN-P09-062)  
7.146 Seq#237 (USA-P09-052)  
7.147 Seq#238 (DEU-P09-022)  
7.148 Seq#240 (GBR-P09-094)  
7.149 Seq#245 (CAN-P09-063)  
7.150 Seq#246 (CAN-P09-064)  
7.151 Seq#247 (DEU-P09-027)  
7.152 Seq#249 (JPN-P09-005)  
7.153 Seq#265 (CAN-P09-072) (YGJ-095)  
7.154 Seq#269 (CAN-P09-076)  
7.155 Seq#270 (CAN-P09-077)  
7.156 Seq#271 (DEU-P09-030)  
7.157 Seq#272 (USA-P09-056)  
7.158 Seq#274 (DEU-P09-031)  
7.159 Seq#276 (CAN-P09-080)  
7.160 Seq#277 (CAN-P09-081)  
7.161 Seq#279 (CAN-P09-083)  
7.162 Seq#280 (CAN-P09-084)  
7.163 Seq#281 (CAN-P09-085)

- 7.164 Seq#282 (GBR-P09-100)
- 7.165 Seq#283 (CAN-P09-087)
- 7.166 Seq#285 (CAN-P09-088)
- 7.167 Seq#286 (USA-P09-057)
- 7.168 Seq#291 (USA-P09-058)
- 7.169 Seq#292 (CAN-P09-093)
- 7.170 Seq#293 (CAN-P09-094)
- 7.171 Seq#294 (CAN-P09-095)
- 7.172 Seq#295 (CAN-P09-096)
- 7.173 Seq#296 (CAN-P09-097)
- 7.174 Seq#298 (USA-P09-060)
- 7.175 Seq#299 (USA-P09-059)
- 7.176 Seq#300 (DEU-P09-032)
- 8 National Body Closing Comments
- 9 Recommendations
- 9.1 Preparation of Revised Texts
- Milestones for publication of SQL/MED (YGI-058)
- 9.2 Disposition of Comments Report
- 9.3 Recommendation Regarding Progression
- 10 Action Items
- 11 Adjourn

## Appendix B Document Register

**CD EDITING MEETINGS**  
**ISO/IEC CD 9075-9 — SQL/MED**  
**ISO/IEC JTC1/SC32**  
**17th May – 27th May, 1999**  
**Matsue, Japan**

**Document Prefix: DBL YGJ-**

No.	Source	Title	Agenda	Avail.?
001	Cotton	Minutes from Heidelberg WG Meeting	WG5.1	Y
002	ISO/IEC	Database Language SQL (IS 9075:1992)	WG10.1	Y*
003	ISO/IEC	SQL Part 3: Call Level Interface (IS 9075-3:1995)	WG10.2	Y*
004	ISO/IEC	SQL Part 4: Persistent Stored Modules (IS 9075-4:1996)	WG10.3	Y*
005	ISO/IEC	SQL Technical Corrigendum #3	WG10.4	Y*
006	Melton	SQL/Framework anticipated IS text	WG10.5, EM5.2	Y
007	Melton	SQL/Foundation anticipated IS text	WG10.6, EM5.3	Y
008	Melton	SQL/PSM anticipated IS text	WG10.8, EM5.5	Y
009	Melton	SQL/Bindings anticipated IS text	WG10.9, EM5.6	Y
010	Melton	SQL/Framework WD	WG11.1	Y
011	Melton	SQL/Foundation WD	WG11.2	Y
012R1	Melton	SQL/CLI WD	WG11.3	Y
013	Melton	SQL/PSM WD	WG11.4	Y
014	Melton	SQL/Bindings WD	WG11.5	Y
015	Melton	SQL/Transaction (XA Interface Specialization) WD	WG11.6	Y
016	Melton	SQL/Temporal WD	WG11.7	Y
017	Melton	SQL/MED WD	WG11.8	Y
018	Melton	SQL/OLB WD	WG11.9	Y
019	Melton	Master Index of WDs	WG11.10	Y
020	Cotton	Minutes of ISO 9075 FCD SQL3 continuation Editing Meeting, Heidelberg	WG6.5	Y
021	Melton	Final Disposition of 9075-1, -2, -4, and -5 FCD Comments	WG6.6	Y
022	Melton	SQL/CLI FCD ballot text	WG6.7	Y
023	Melton	SQL/MED CD ballot text	EM5.7	Y
024	Melton	SQL/OLB FCD ballot text	EO5.7	Y
025	Kulkarni	Minutes of ISO 9075-3 FCD Editing Meeting, Salt Lake City	WG6.7	Y
026	Melton	Final Disposition of 9075-3 FCD Comments	WG6.9	Y
027R2	Melton	Consolidated Ballot Comments – 9075-9 SQL/MED	EM5.9	Y
028R2	Melton	Consolidated Ballot Comments – 9075-10 SQL/OLB	EO5.9	Y
029	Cannan	Convenor recommendation on Parts 1, 2, 4, 5 progression to the SC32 secretariat	WG6.10	Y
030	Darwen	SQL/MM Impacts	WG7.1	Y
031	Melton	SQL/CLI FDIS Text	WG10.7, EM5.4	Y
032	USA	Ballot Comments on CD 9075-9 SQL/MED	EM6.1	Y
033R1	USA	Ballot Comments on FCD 9075-10 SQL/OLB	EO6.1	Y
034	USA	Post SQL-99 directions	WG9.1	Y
035	USA	What new CR's for SQL4	WG12.1	Y
036R1	USA	Merging Foundation and Bindings	WG12.2	Y
037	Cannan	Convenor recommendation on progression on CLI to the SC32 secretariat (SC32 N0218)	WG6.11	Y
038	Cannan	SQL Technical Corrigendum #4	WG10.10	Y
039	SC32	Calling notice for MED Editing Meeting (SC32 N0217)	EM5.1	Y

No.	Source	Title	Agenda	Avail.?
040	SC32	Calling notice for OLB Editing Meeting (SC32 N0216)	EO5.1	Y
041R2	GBR	Ballot Comments on CD 9075-9 SQL/MED	EM6.2	Y
042	CAN	Canada Ballot comments on SQL: Part 9 - Management of External Data (SQL/MED)	EM6.3	Y
043	CAN	Canada Ballot comments on SQL: Part 10 - Object Language Bindings (SQL/OLB)	EO6.2	Y
044	CAN	Canadian position on SQL Part 6 - XA Specialization	WG18.1	Y
045	DEU	Ballot comments on ISO/IEC CD 9075-9, SQL/MED	EM6.4	Y
046	DEU	Ballot comments on ISO/IEC FCD 9075-10, SQL/OLB	EO6.3	Y
047	JPN	Japan ballot comments on ISO/IEC CD 9075-9(SQL/MED)	EM6.5	Y
048	JPN	Japan ballot comments on ISO/IEC FCD 9075-10(SQL/OLB)	EO6.4	Y
049	Tsuchida	Content type addition to SQL/MED(Resolving JPN-P09-006)	EM7.61	Y
050	GBR	SQL/OLB FCD Ballot: UK Comments	EO6.5	Y
051	ITA	(Italy) SQL/MED CD Ballot Comments	EM6.6	Y
052	USA	Response to SQL/OLB Ballot Comment USA-P10-009 (H2-98-599)	EO7.5	Y
053	USA	Response to SQL/OLB Ballot Comment USA-P10-020 (H2-98-600)	EO7.18	Y
054	USA	Response to SQL/OLB Ballot Comment USA-P10-019(H2-98-601)	EO7.16	Y
055	USA	Response to SQL/OLB Ballot Comment USA-P10-023(H2-99-017)	EO7.19	Y
056	USA	Milestones for publication of SQL:1999 (H2-99-140)	WG6.12	Y
057	USA	Milestones for publication of SQL/CLI (H2-99-141)	WG6.13	Y
058	USA	Milestones for publication of SQL/MED (H2-99-143)	EM9.1	Y
059	USA	Milestones for publication of SQL/OLB (H2-99-144)	EO9.1	Y
060	USA	Subproject proposal for SQL/OLAP Amendment (H2-99-145)	WG22.1	Y
061	USA	Candidate base document for SQL/OLAP Amendment (H2-99-146)	WG22.2	Y
062	USA	Correction to TRIGGERS base table (H2-99-147)	WG10.11	Y
063	USA	Corrections to ROUTINES and METHOD_SPECIFICATIONS base tables(H2-99-148)	WG10.12	Y
064	USA	Clarification of SQL-data access indication (H2-99-149)	WG10.13	Y
065	USA	Resolving USA-P09-012 (H2-99-150)	EM7.27	Y
066	USA	DataLinks Concepts (H2-99-152)	EM7.6, EM7.16	Y
067R1	USA	Addressing Miscellaneous Comments on Abstract Tables (H2-99-153)	EM7.4, EM7.16, EM7.5, EM7.135, EM7.7, EM7.8, EM7.9, EM7.10, EM7.11, EM7.12, EM7.13, EM7.14	Y
068	USA	Introduction to OLAP Functions (H2-99-154)	WG22.2, WG10.21	Y
069R1	USA	Proposal for OLAP Functions (H2-99-155)	WG22.4	Y
070	USA	What is Delta SQL:1999? (H2-99-156)	WG12.3	Y
071	USA	TC for Row Expressions (H2-99-157)	WG10.14	Y
072	USA	TC for UPDATE...SET ROW... (H2-99-158)	WG10.15	Y
073	USA	TC for Typed Table Definition (H2-99-159)	WG10.16	Y
074	USA	Cleaning up the SQL4 PPs (H2-99-164)	WG10.17	Y
075	USA	Addressing Miscellaneous Comments on DataLinks (H2-99-165)	EM7.25, EM7.26	Y
076	USA	TC from Checking CWB-024 (H2-99-184)	WG10.17	Y
077	USA	TC for <target table> (H2-99-185)	WG10.19	Y
078	Sykes	A review of <overlaps predicate>	WG14.1	Y
079	Kulkarni	Supporting Batch Updates in SQL/OLB	Withdrawn	N
080	Kulkarni	DataSource support in SQL/OLB	EO7.28, EO7.43, EO7.95, EO7.108	Y

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No.	Source	Title	Agenda	Avail.?
081R1	Kulkarni	Additional data type support in SQL/OLB	EO7.26, EO7.28, EO7.71, EO7.107, EO7.112	Y
082	Darwen	Linking a Linked File and Unlinking an Unlinked One	EM7.50	Y
083	Darwen	Addressing Problems with Link Control Options	EM7.28, EM7.30, EM7.31	Y
084	Darwen	Some Editorial Changes Concerning Datalinks	EM7.28	Y
085R2	Darwen	Identity Columns	WG14.2	Y
086	Pistor	Resolving Seq# 103, 104 (drop table)	EM7.98, EM7.99	Y
087	Melton	Milestones for Publication of SQL/OLAP	WG24.1	Y
088	Cotton	Parameter markers and the <in predicate>	WG10.20	Y
089	Pistor	SQL4 feature list	WG9.3	Y
090	Zemke	Response to YGJ-078 on <overlaps predicate>	WG14.1	Y
091	Coyle	USA Response to Ballot Comment CAN-P10-008	EO7.37, EO7.38	Y
092	Coyle	USA Response to Ballot Comment DEU-P10-007	EO7.55	Y
093	Cotton	Revising the Organization of SQL/OLB – Part 1	EO7.34, EO7.41, EO7.115, EO7.35, EO7.36, EO7.43, EO7.47, EO7.117	Y
094	Cotton	Resolving SQL/MED CLI related ballot comments	EM	Y
095	Pistor	Resolving Seq#265	EM7.153	Y
096	Japan	Restriction of specification of parameter mode (seq#63)	EO7.75	Y
097	Japan	Clarification of default of parameter mode omitted (Seq#64)	EO7.76	Y
098	Darwen	Problems with STATIC DISPATCH	WG10.22	Y
099	Cotton	Eliminating SQL/MM material in ISO/IEC 9075	WG10.23	Y
100	Cotton	Clarifying “user-defined casts” in ISO/IEC 9075	WG10.24	Y
101	Cotton	Removing “user-defined data type” from ISO/IEC 9075	WG10.26	Y
102	W3C	Announcement of XML Schema Working Draft	WG23.3	Y
103	W3C	XML Schema Working Draft – Part 1	WG23.3	Y
104	W3C	XML Schema Working Draft – Part 2	WG23.3	Y
105	Cotton	Correcting the length of <reference type>s in ISO/IEC 9075	WG10.25	Y
106	Bartley	Statistical Open Source Consortium for Output databases (ODB)	WG23.1	Y
107	Darwen / Pistor	Finally resolving Seq#103	EM7.98, EM7.99	Y
108	Melton	Part 11 Subproject Proposal	WG24.1	Y
109	Melton	Milestones for Publication of ISO/IEC 9075:200x	WG24.1	Y
110	Darwen	Ground rules for editorial clean-up of OLB	EO7.10, EO7.83	Y
111	Melton	Draft WG3 response to JTC1 N4046	WG23.4	Y
112	WG4	Topology Requirements	WG7.1	Y
113	Cannan	Refined SQL/MED model	WG9.1	Y