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APPENDIX B DOCUMENT REGISTER

The meeting started at 9:30 AM on Monday March 16, 1998 at Alta Reggia Plaza Hotel in Curitiba, Brazil. Stephen Cannan was in the chair.

1. Introduction Of Participants

Stephen Cannan	(Netherlands) WG3 Convenor
Paul Cotton	(Canada)
Hugh Darwen	(UK)
Luigi Giuri	(Italy) (attended from March 25 through March 27)
Krishna Kulkarni	(USA)
Nelson Mattos	(USA)
Jim Melton	(USA) Project Editor
Vanderlie V. Ortencio	(Brazil)
Baba Piprani	(Canada) (attended from March 25 through April 3)
Peter Pistor	(Germany)
M. Tsuchida	(Japan) (attended from March 23 through April 3)
Fred Zemke	(USA)

Vanderlie V. Ortencio welcomed the FCD editing delegates and introduced Danilo Scalet who made opening remarks on behalf upon the local Brazilian organizing committee.

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. CWB-009R1 was tabled by Jim Melton as a draft disposition of the ballot comments. Nelson Mattos agreed to record all changes required for CWB-009R1 so that Jim Melton could produce a revised version of the document.

It was agreed that these minutes (DBL BBN-024), a revised version of disposition of comments document (DBL BBN-025) and revised text for the four SQL FCD parts would document the results of the editing meeting.

4. Approval Of Agenda

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. FCD 9075-1 SQL Part 1: Framework - October 1997 (SC32 N0001, SC21 N11137, CWB-001)

Noted.

5.2. FCD 9075-2 SQL Part 2: Foundation - October 1997 (SC32 N0002, SC21 N11106 CWB-002)

Noted.

5.3. FCD 9075-4 SQL Part 4: Persistent Stored Modules - October 1997 (SC32 N0003, SC21 N 11138, CWB-003)

Noted.

5.4. FCD 9075-5 SQL Part 5: Bindings - October 1997 (SC32 N0004, SC21 N11107, CWB-004)

Noted.

5.5. Summary of Voting on CD 9075-1 (SC32 N0070, CWB-089)

The voting results were Yes: 9 No: 4 Abstain: 2 Non-voting: 1 Total SC32 P members: 16. Noted.

5.6. Summary of Voting on CD 9075-2 (SC32 N0063, CWB-006)

The voting results were Yes: 7 No: 6 Abstain: 2 Non-voting: 8 Total SC21 P members: 23. Noted.

5.7. Summary of Voting on CD 9075-4 (SC32 N0074, CWB-090)

The voting results were Yes: 7 No: 6 Abstain: 2 Non-voting: 1 Total SC32 P members: 16. Noted.

5.8. Summary of Voting on CD 9075-5 (SC32 N0064, CWB-007)

The voting results were Yes: 7 No: 6 Abstain: 3 Non-voting: 7 Total SC21 P members: 23. Noted.

5.9. Format for Ballot Comments (CWB-010)

Noted.

5.10. Calling Notice for SQL FCD Editing Meeting (SC32 N0025, CWB-008)

Noted.

5.11. Consolidated ballot comments (CWB-009R1)

Noted.

5.12. 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 USA recommended that changes to Core SQL should be handled as follows: deletions should require a simple majority but additions should require a super-majority. The UK and Netherlands both opposed this position and felt that the normal consensus rules (majority of at least two votes) should be used. Germany and Brazil supported the USA position. Canada had no position on this request. The Convenor ruled that the USA request failed (3-2-1) since he felt that a two vote consensus was required to change the rules.

6. National Body Opening Comments

6.1. Australia

No opening comments.

6.2. Brazil

Brazil welcomed the SQL editing delegates to Curitiba. Brazil wishes the delegates a successful meeting. Brazil does not have any papers for this meeting since they have been very busy translating the SQL92 standard into Portuguese and this national standard will be published later in 1998. Now that the

translation of SQL92 is complete the Brazilian SQL experts will have an opportunity to start participating in the review of SQL3.

6.3. Canada

Canada feels that SQL3 must become a standard in 1998 if it is not to miss its "product window". While we are discouraged by the number of National Body ballot comments without solutions Canada is encouraged by several of the papers tabled for this meeting that appear to solve very important technical problem areas in the Final Committee Draft documents.

Canada also notes its pleasure on how the material from SQL/Objects was merged into the parts that it modified.

6.4. China

No opening comments.

6.5. Czech Republic

No opening comments.

6.6. Finland

No opening comments.

6.7. France

No opening comments.

6.8. Germany

Germany welcomes the large number of comments on the SQL3 ballots as a serious attempt to produce a high quality standard. The resolution of these comments will require a considerable combined effort; Germany will stress its resources to contribute to these efforts.

The forthcoming editing meetings will also require a serious determination of all participants to achieve consensus by striving for reasonable and fair compromises; we hope this determination to prevail in possibly contentious areas like the definition of conformance.

It will be important for Germany that the evolving standards are upward compatible with SQL92, and that they demonstrate a visible progress over their predecessor standard.

Not only the next three weeks in Curitiba, but also the next half year will bring a tremendous amount of work for all participants. Hoping for the success of these efforts, Germany has decided to withdraw the DIN version of SQL92 and its Technical Corrigenda.

6.9. Italy

No opening comments.

6.10. Japan

Japan thinks that it is very important to publish the SQL3 specification as soon as possible since some vendors including a Japanese company want to ship ORDBMS products which provide the same functionality as in SQL3. Enhanced relational facility and object extension feature are really needed by SQL customers. Japan strongly supports that the SQL3 standard should be published within the 1998 time frame.

Delaying the publication will likely to lose vendors' interest in providing the standard conforming products.

Japan also wants SQL3 to progress so that it does not interfere with the work on and progression of SQL4. Japan hope that after this meeting SQL3 goes to the DIS status.

Japan has published JIS standard of SQL/CLI last year. Now, Japanese Industrial Standard Committee is developing JIS standard of SQL/PSM. This standard will be published this year.

Japan also wants SQL3 to standardize as soon as possible.

6.11. Korea

No opening comments.

6.12. Netherlands

The Netherlands is somewhat overwhelmed by the number of comments made on the documents balloted, but is encouraged by the number (nearly 600) which have already had solutions proposed for them. There remains a great deal of work to be done but we believe that this group, given a large degree of mutual understanding and a true spirit of compromise, may be able to resolve sufficient of them in order to be able to publish a new standard.

We are somewhat concerned with some of the suggested changes to the Core. We understand the importance of taking the vendors with us on the standard but believe that the needs of the users must also be considered if the SQL standard is not to stagnate at the SQL:1992 Entry Level.

6.13. Norway

No opening comments.

6.14. Sweden

No opening comments.

6.15. United Kingdom (CWB-072)

The UK opening comments can be found in DBL CWB-072.

6.16. United States

USA wishes to thank all the national bodies for their hard work in 1997 and the spirit of cooperation that made it possible to address all but a few of the first CD ballot comments on SQL3/Foundation and SQL3/Bindings. USA hopes that the same spirit of hard work and cooperation would enable us to address the Final CD ballot comments on SQL3 parts 1, 2, 4, and 5 satisfactorily to each of the national bodies.

While the US is pleased that all the national bodies have done a thorough and critical review of all the SQL3 parts under FCD ballot, the large number of comments does indicate that there is a lot of work to be done before the documents can be declared ready for publication. USA is willing to do its part in addressing as many comments as it can.

In addition to addressing the technical comments, USA believes that there is yet more work to be done in the area of Conformance. As indicated in an email message to the DBL reflector, USA believes very strongly that the success of SQL3 standard depends heavily on the availability of a number of standards-conforming products in the market in a reasonable time after the standard is published; and that every effort must be made to ensure that this is the case. USA has spent a considerable amount of time during each of the past few domestic meetings discussing the precise list of features that are to be included in the core language. The result of our long discussions on this topic is reflected in three US papers: CWB-023, CWB-079, and CWB-080. Though these papers propose reducing the contents of the core language from the output of London meetings, it is to be noted that the remaining list of core features is still much larger than the Entry Level of SQL-92, and much larger than the features currently supported by a majority of vendors.

Again, as indicated in an email message to the DBL reflector, USA wishes to request the Editor or his nominated designee that runs the Editing meetings to accept a simple majority to approve reductions to core and to require more than simple majority to approve additions to core.

7. Ballot Comments already Processed by the Editor

7.1. USA-P01-007 (Seq#0010)

Adopted editorially by the Editor.

7.2. NLD-P01-001 (Seq#0084)

Adopted editorially by the Editor.

7.3. GBR-P02-002 (Seq#0097)

Adopted editorially by the Editor.

7.4. GBR-P02-003 (Seq#0098) (see comment)

Adopted editorially by the Editor.

7.5. GBR-P02-005 (Seq#0100) (see comment)

Adopted editorially by the Editor.

7.6. GBR-P02-008 (Seq#0123)

Adopted editorially by the Editor.

7.7. GBR-P02-015 (Seq#0147) (see comment)

Adopted editorially by the Editor.

7.8. GBR-P02-023 (Seq#0174) (see comment) (see also 9.74. GBR-P02-057 (Seq#0273) (CWB-068))

Adopted editorially by the Editor.

7.9. GBR-P02-025 (Seq#0176) (see comment)

Adopted editorially by the Editor.

7.10. GBR-P02-030 (Seq#0189)

Adopted editorially by the Editor.

7.11. JPN-P02-003 (Seq#0191) (see comment)

Adopted editorially by the Editor.

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7.12. GBR-P02-034 (Seq#0197) (see comment)

Adopted editorially by the Editor.

7.13. GBR-P02-036 (Seq#0200) (see comment)

Adopted editorially by the Editor.

7.14. JPN-P02-006 (Seq#0203) (see comment)

Adopted editorially by the Editor.

7.15. GBR-P02-040 (Seq#0206)

Adopted editorially by the Editor.

7.16. JPN-P02-005 (Seq#0207) (see comment)

Adopted editorially by the Editor.

7.17. GBR-P02-047 (Seq#0257)

Adopted editorially by the Editor.

7.18. GBR-P02-048 (Seq#0258)

Adopted editorially by the Editor.

7.19. USA-P02-081 (Seq#0260) (see comment)

Adopted editorially by the Editor.

7.20. USA-P02-084 (Seq#0264)

Adopted editorially by the Editor.

7.21. GBR-P02-053 (Seq#0265)

Adopted editorially by the Editor.

7.22. GBR-P02-054 (Seq#0266) (see comment)

Adopted editorially by the Editor.

7.23. JPN-P02-096 (Seq#0271) (see comment)

Adopted editorially by the Editor.

7.24. GBR-P02-056 (Seq#0272) (see comment)

Adopted editorially by the Editor.

7.25. CAN-P02-026 (Seq#0278)

Adopted editorially by the Editor.

7.26. GBR-P02-058 (Seq#0279) (see comment)

Adopted editorially by the Editor.

7.27. GBR-P02-061 (Seq#0288) (see comment)

Adopted editorially by the Editor.

7.28. GBR-P02-063 (Seq#0292) (see comment)

Adopted editorially by the Editor.

7.29. GBR-P02-064 (Seq#0298)

Adopted editorially by the Editor.

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7.30. USA-P02-097 (Seq#0299) (see comment)

Adopted editorially by the Editor.

7.31. GBR-P02-071 (Seq#0319) (see comment)

Adopted editorially by the Editor.

7.32. GBR-P02-084 (Seq#0363)

Adopted editorially by the Editor.

7.33. GBR-P02-101 (Seq#0398) (see comment)

Adopted editorially by the Editor.

7.34. GBR-P02-102 (Seq#0404) (see comment)

Adopted editorially by the Editor.

7.35. GBR-P02-103 (Seq#0405)

Adopted editorially by the Editor.

7.36. GBR-P02-104 (Seq#0406) (see comment)

Adopted editorially by the Editor.

7.37. USA-P02-141 (Seq#0407)

Adopted editorially by the Editor.

7.38. GBR-P02-126 (Seq#0459) (see comment)

Adopted editorially by the Editor.

7.39. GBR-P02-127 (Seq#0460) (see comment)

Solution was adopted unanimously.

7.40. GBR-P02-131 (Seq#0465) (see comment)

Adopted editorially by the Editor.

7.41. GBR-P02-132 (Seq#0466)

Adopted editorially by the Editor.

7.42. GBR-P02-136 (Seq#0476) (see comment)

Resolved by DBL CWB-083. See agenda item 9.316

7.43. GBR-P02-145 (Seq#0500) (see comment)

Adopted editorially by the Editor.

7.44. GBR-P02-152 (Seq#0507) (see comment)

Adopted editorially by the Editor.

7.45. GBR-P02-153 (Seq#0508) (see comment)

Adopted editorially by the Editor.

7.46. GBR-P02-159 (Seq#0536) (see comment)

Adopted editorially by the Editor.

7.47. GBR-P02-160 (Seq#0537)

Adopted editorially by the Editor.

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7.48. JPN-P02-013 (Seq#0538) (see comment)

Adopted editorially by the Editor.

7.49. JPN-P02-014 (Seq#0539) (see comment)

Adopted editorially by the Editor.

7.50. JPN-P02-015 (Seq#0540) (see comment)

Adopted editorially by the Editor.

7.51. JPN-P02-016 (Seq#0541) (see comment)

Adopted editorially by the Editor.

7.52. JPN-P02-087 (Seq#0542) (see comment)

Adopted editorially by the Editor.

7.53. JPN-P02-083 (Seq#0543) (see comment)

Adopted editorially by the Editor.

7.54. JPN-P02-084 (Seq#0544) (see comment)

Adopted editorially by the Editor.

7.55. JPN-P02-085 (Seq#0545) (see comment)

Adopted editorially by the Editor.

7.56. JPN-P02-086 (Seq#0546) (see comment)

Adopted editorially by the Editor.

7.57. JPN-P02-088 (Seq#0547) (see comment)

Adopted editorially by the Editor.

7.58. JPN-P02-089 (Seq#0548) (see comment)

Adopted editorially by the Editor.

7.59. GBR-P02-168 (Seq#0562)

Adopted editorially by the Editor.

7.60. GBR-P02-173 (Seq#0563) (see comment)

Adopted editorially by the Editor.

7.61. GBR-P02-178 (Seq#0572) (see comment)

Adopted editorially by the Editor.

7.62. GBR-P02-177 (Seq#0574) (see comment)

Adopted editorially by the Editor.

7.63. USA-P02-203 (Seq#0575)

Adopted editorially by the Editor.

7.64. GBR-P02-180 (Seq#0576) (see comment)

Adopted editorially by the Editor.

7.65. GBR-P02-179 (Seq#0577) (see comment)

Adopted editorially by the Editor.

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7.66. GBR-P02-182 (Seq#0590) (see comment)

Adopted editorially by the Editor.

7.67. GBR-P02-184 (Seq#0591) (see comment)

Adopted editorially by the Editor.

7.68. GBR-P02-186 (Seq#0595) (see comment)

Adopted editorially by the Editor.

7.69. GBR-P02-188 (Seq#0621) (see comment)

Adopted editorially by the Editor.

7.70. GBR-P02-189 (Seq#0622) (see comment)

Adopted editorially by the Editor.

7.71. GBR-P02-191 (Seq#0623) (see comment)

Adopted editorially by the Editor.

7.72. GBR-P02-211 (Seq#0647)

Adopted editorially by the Editor.

7.73. GBR-P02-212 (Seq#0648) (see comment)

Adopted editorially by the Editor.

7.74. GBR-P02-217 (Seq#0654) (see comment)

Adopted editorially by the Editor.

7.75. GBR-P02-241 (Seq#0700) (see comment)

Adopted editorially by the Editor.

7.76. CAN-P02-078 (Seq#0706)

Adopted editorially by the Editor.

7.77. GBR-P02-249 (Seq#0707) (see comment)

Adopted editorially by the Editor.

7.78. GBR-P02-254 (Seq#0723) (see comment)

Adopted editorially by the Editor.

7.79. GBR-P02-277 (Seq#0756) (see comment)

Adopted editorially by the Editor.

7.80. GBR-P02-278 (Seq#0757) (see comment)

Adopted editorially by the Editor.

7.81. GBR-P02-285 (Seq#0774) (see comment)

Adopted editorially by the Editor.

7.82. GBR-P02-291 (Seq#0818) (see comment)

Adopted editorially by the Editor.

7.83. GBR-P02-299 (Seq#0858)

Adopted editorially by the Editor.

7.84. JPN-P02-022 (Seq#0859) (see comment)

Adopted editorially by the Editor.

7.85. USA-P02-286 (Seq#0860) (see comment)

Adopted editorially by the Editor.

7.86. GBR-P02-308 (Seq#0870) (see comment)

This ballot comment was resolved by DBL CWB-113 (see agenda item 9.79)

7.87. GBR-P02-309 (Seq#0871) (see comment)

Adopted editorially by the Editor.

7.88. GBR-P02-312 (Seq#0880) (see comment)

Adopted editorially by the Editor.

7.89. JPN-P02-024 (Seq#0881) (see comment)

Adopted editorially by the Editor.

7.90. JPN-P02-029 (Seq#0916)

Adopted editorially by the Editor.

7.91. USA-P02-314 (Seq#0923) (see comment)

Adopted editorially by the Editor.

7.92. JPN-P02-032 (Seq#0924)

Adopted editorially by the Editor.

7.93. USA-P02-350 (Seq#1002) (see comment)

Adopted editorially by the Editor.

7.94. GBR-P02-342 (Seq#1019) (see comment)

Adopted editorially by the Editor.

7.95. GBR-P02-343 (Seq#1020) (see comment)

Adopted editorially by the Editor.

7.96. GBR-P02-344 (Seq#1021)

Adopted editorially by the Editor.

7.97. GBR-P02-345 (Seq#1045) (see comment)

Adopted editorially by the Editor.

7.98. GBR-P02-348 (Seq#1050) (see comment)

Resolved by DBL CWB-130. See agenda item 9.150.

7.99. JPN-P02-060 (Seq#1054) (see comment)

Adopted editorially by the Editor.

7.100. JPN-P02-061 (Seq#1055) (see comment)

Adopted editorially by the Editor.

7.101. JPN-P02-062 (Seq#1056) (see comment)

Adopted editorially by the Editor.

7.102. JPN-P02-063 (Seq#1057) (see comment)

Adopted editorially by the Editor.

7.103. JPN-P02-092 (Seq#1060) (see comment)

Adopted editorially by the Editor.

7.104. GBR-P02-354 (Seq#1211)

Adopted editorially by the Editor.

7.105. JPN-P04-004 (Seq#1223) (see comment)

Adopted editorially by the Editor.

7.106. JPN-P04-120 (Seq#1224) (see comment)

Adopted editorially by the Editor.

7.107. JPN-P04-121 (Seq#1227) (see comment)

Adopted editorially by the Editor.

7.108. JPN-P04-010 (Seq#1238) (see comment)

Adopted editorially by the Editor.

7.109. JPN-P04-021 (Seq#1246) (see comment)

Adopted editorially by the Editor.

7.110. JPN-P04-090 (Seq#1247) (see comment)

Adopted editorially by the Editor.

7.111. JPN-P04-037 (Seq#1259) (see comment)

Adopted editorially by the Editor.

7.112. JPN-P04-038 (Seq#1270) (see comment)

Adopted editorially by the Editor.

7.113. JPN-P04-041 (Seq#1272) (see comment)

Adopted editorially by the Editor.

7.114. JPN-P04-042 (Seq#1273)

Adopted editorially by the Editor.

7.115. JPN-P04-039 (Seq#1274) (see comment)

Adopted editorially by the Editor.

7.116. JPN-P04-122 (Seq#1278) (see comment)

Adopted editorially by the Editor.

7.117. JPN-P04-055 (Seq#1280) (see comment)

Adopted editorially by the Editor.

7.118. JPN-P04-058 (Seq#1281)

Adopted editorially by the Editor.

7.119. CAN-P04-019 (Seq#1282)

Adopted editorially by the Editor.

7.120. JPN-P04-064 (Seq#1284) (see comment)

Adopted editorially by the Editor.

7.121. JPN-P04-065 (Seq#1286) (see comment)

Adopted editorially by the Editor.

7.122. JPN-P04-069 (Seq#1293) (see comment)

Adopted editorially by the Editor.

7.123. JPN-P04-071 (Seq#1294) (see comment)

Adopted editorially by the Editor.

7.124. JPN-P04-072 (Seq#1295) (see comment)

Adopted editorially by the Editor.

7.125. JPN-P04-067 (Seq#1296) (see comment)

Adopted editorially by the Editor.

7.126. JPN-P04-068 (Seq#1297) (see comment)

Adopted editorially by the Editor.

7.127. JPN-P04-070 (Seq#1298) (see comment)

Adopted editorially by the Editor.

7.128. NLD-P04-232 (Seq#1348)

Adopted editorially by the Editor.

7.129. GBR-P05-002 (Seq#1364) (see comment)

Adopted editorially by the Editor.

7.130. GBR-P05-003 (Seq#1365) (see comment)

Adopted editorially by the Editor.

7.131. USA-P05-006 (Seq#1375) (see comment)

Adopted editorially by the Editor.

7.132. DEU-P05-016 (Seq#1376) (see comment)

Adopted editorially by the Editor.

7.133. GBR-P05-007 (Seq#1380)

Adopted editorially by the Editor.

7.134. GBR-P05-010 (Seq#1382) (see comment)

Adopted editorially by the Editor.

7.135. DEU-P05-017 (Seq#1415) (see comment)

Adopted editorially by the Editor.

7.136. GBR-P05-020 (Seq#1425) (see comment)

Adopted editorially by the Editor.

7.137. JPN-P05-044 (Seq#1426) (see comment)

Adopted editorially by the Editor.

7.138. DEU-P05-018 (Seq#1439) (see comment)

Adopted editorially by the Editor.

7.139. DEU-P05-020 (Seq#1449) (see comment)

Adopted editorially by the Editor.

7.140. DEU-P05-021 (Seq#1450) (see comment)

Adopted editorially by the Editor.

7.141. GBR-P05-022 (Seq#1451) (see comment)

Adopted editorially by the Editor.

7.142. GBR-P05-024 (Seq#1464) (see comment)

Adopted editorially by the Editor.

7.143. JPN-P05-051 (Seq#1469)

Adopted editorially by the Editor.

7.144. JPN-P05-047 (Seq#1483) (see comment)

Adopted editorially by the Editor.

7.145. JPN-P05-049 (Seq#1484) (see comment)

Adopted editorially by the Editor.

7.146. JPN-P05-050 (Seq#1485) (see comment)

Adopted editorially by the Editor.

7.147. JPN-P05-052 (Seq#1486) (see comment)

Adopted editorially by the Editor.

7.148. JPN-P05-091 (Seq#1488) (see comment)

Adopted editorially by the Editor.

7.149. GBR-P05-032 (Seq#1496) (see comment)

Adopted editorially by the Editor.

7.150. GBR-P05-033 (Seq#1497) (see comment)

Adopted editorially by the Editor.

7.151. DEU-P05-022 (Seq#1512) (see comment)

Adopted editorially by the Editor.

7.152. DEU-P05-023 (Seq#1513) (see comment)

Adopted editorially by the Editor.

7.153. JPN-P05-093 (Seq#1521)

Adopted editorially by the Editor.

7.154. NLD-P05-252 (Seq#1543)

Adopted editorially by the Editor.

8. SQL/Framework Topics

8.1. USA-P01-001 (Seq#0001) (see comment)

The Editor stated that the Foreword should only mention those parts that will be standardized at the time of publication of SQL/Framework. Solution adopted unanimously.

8.2. USA-P01-002 (Seq#0002) (see comment)

Solution adopted unanimously.

8.3. USA-P01-003 (Seq#0003)

OPEN.

8.4. USA-P01-004 (Seq#0004)

OPEN.

8.5. USA-P01-005 (Seq#0005)

OPEN.

8.6. USA-P01-006 (Seq#0006)

OPEN.

8.7. DEU-P01-001 (Seq#0007)

OPEN.

8.8. CAN-P01-010 (Seq#0008)

OPEN.

8.9. CAN-P01-002 (Seq#0009) (see comment)

Solution adopted unanimously.

8.10. CAN-P01-003 (Seq#0011) (see comment)

For: Canada, Germany, Netherlands

Against: UK, USA

Abstain: Brazil

Motion fails (lack of consensus) (3-2-1). Solution rejected and ballot comment deemed resolved.

8.11. USA-P01-008 (Seq#0012) (see comment)

Rejected and ballot comment deemed resolved. Same intent as CAN-P01-003 (Seq#0011) in agenda item 8.10.

8.12. CAN-P01-005 (Seq#0013) (see comment)

Solution adopted unanimously.

8.13. CAN-P01-006 (Seq#0014)

OPEN.

8.14. CAN-P01-004 (Seq#0015)

OPEN.

8.15. USA-P01-009 (Seq#0016) (CWB-047)

DBL CWB-047 was discussed.

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Action item 1: Krishna Kulkarni to provide a solution to USA-P01-009 (Seq#0016). See DBL CWB-047 and agenda item 8.15.

8.16. DEU-P01-002 (Seq#0017) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.17. USA-P01-010 (Seq#0018)

Adopted editorially by the Editor.

8.18. DEU-P01-003 (Seq#0019) (see comment)

Amended as follows:

a) delete the sentence that begins “A value of a numeric type ...”.

Adopted unanimously as amended.

8.19. DEU-P01-004 (Seq#0020) (see comment)

Amended as follows:

a) change the “and” in the last sentence to “or”.

Adopted unanimously as amended.

8.20. DEU-P01-005 (Seq#0021) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.21. DEU-P01-006 (Seq#0022) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.22. USA-P01-011 (Seq#0023) (see also comment)

USA-P02-009 (Seq#0108)

USA-P02-010 (Seq#0109)

USA-P02-011 (Seq#0110)

USA-P02-012 (Seq#0111)

USA-P02-017 (Seq#0116)

USA-P02-018 (Seq#0117)

USA-P02-019 (Seq#0118)

USA-P02-058 (Seq#0216)

USA-P02-111 (Seq#0336)

USA-P02-112 (Seq#0337)

USA-P02-161 (Seq#0450)

USA-P02-201 (Seq#0564)

USA-P02-229 (Seq#0714)

USA-P02-230 (Seq#0715)

USA-P02-231 (Seq#0716)

USA-P02-232 (Seq#0726) (see also comment)

USA-P02-233 (Seq#0727)

USA-P02-234 (Seq#0743)

USA-P02-235 (Seq#0744) (see also comment)

USA-P02-236 (Seq#0745)

USA-P02-382 (Seq#1184)

USA-P04-008 (Seq#1219) (CWB-051)

Paul Cotton requested that the follow-on proposals required by DBL CWB-051 be clearly identified:

a) Section 2.2.1.12, Page 25: changes to support an escape mechanism

b) Section 2.4.1, Page 38: changes required for embedded SQL programs e.g. C usage of w_chart

c) Section 2.2.1.15, Page 27: changes required for <form-of-use conversion>.

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d) Section 2.2.1.24.1, Page 33: changes required to solve the “imprecise” specification of a user’s ability to delete system-defined character sets and collations.

Stephen Cannan noted that this paper deletes material from SQL92 WITHOUT first deprecating that material. Stephen pointed out that if adopted that this is the first time the committee will have done this.

DBL CWB-051 was amended as follows:

a) Section 2.2.1.29, 30 and 31: change the new value for FORM_OF_USE, COLLATION_TYPE, COLLATION_DICTIONARY, COLLATION_DEFINITION, and TRANSLATION_DEFINITION from “the null value” to “a zero length string”.

DBL CWB-051 was adopted unanimously.

DBL CWB-051 solved all of the noted ballot comments.

8.23. DEU-P01-007 (Seq#0024) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.24. DEU-P01-008 (Seq#0025) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.25. DEU-P01-009 (Seq#0026) (see comment)

Adopted unanimously.

8.26. USA-P01-012 (Seq#0027)

OPEN.

8.27. DEU-P01-010 (Seq#0028) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.28. DEU-P01-011 (Seq#0029) (see comment)

Solution rejected unanimously and comment deemed resolved.

8.29. DEU-P01-012 (Seq#0030) (see comment)

Solution rejected unanimously and comment deemed resolved.

Peter Pistor agreed to bring forward a paper to ensure that occurrences of an ARRAY data type that are NULL are correctly handled e.g. in comparison predicate and Subclause 4.10 Routines. See agenda item 8.29 DEU-P01-012 (Seq#0030).

This action item was closed by the tabling of DBL CWB-102. DBL CWB-102 was adopted unanimously. Adoption of DBL CWB-102 finally resolved the problem identified by DEU-P01-012.

8.30. DEU-P01-013 (Seq#0031) (see comment)

Adopted unanimously.

The solution was accepted although the majority of National Bodies did NOT accept the rationale of this ballot comment.

8.31. DEU-P01-014 (Seq#0032) (see comment)

Adopted unanimously.

The solution was accepted although the majority of National Bodies did NOT accept the rationale of this ballot comment.

8.32. DEU-P01-015 (Seq#0033) (see comment)

DBL CWB-126R1 was tabled to handle a large number of locator related ballot comments. DBL CWB-126R1 was amended as follows:

- a) in section 2.2.8.4, in proposed rule i)iii)2)a)I) through IV): “Pi” should be “Ti”
- b) in section 2.2.9.4, in rule 1)A) change “simply contained” to “contained”

DBL CWB-126R1 was adopted unanimously as amended.

The meeting expressed its profound gratitude to Krishna for the drafting of this very large and well-written paper during the editing meeting.

Adoption of DBL CWB-126R1 resolved the following ballot comments:

- 1) #33 DEU-P01-015
- 2) #120 USA-P02-020
- 3) #121 NLD-P02-006
- 4) #122 GBR-P02-007
- 5) #131 USA-P02-024
- 6) #157 USA-P02-039
- 7) #201 GBR-P02-037
- 8) #205 GBR-P02-039
- 9) #523 USA-P02-190
- 10) #528 GBR-P02-162 --- The answer is no.
- 11) #833 USA-P02-269
- 12) #834 USA-P02-270
- 13) #835 USA-P02-271
- 14) #844 NLD-P02-040 - Partially addressed (Case of row types is not addressed)
- 15) #855 GBR-P02-300
- 16) #900 USA-P02-300
- 17) #918 USA-P02-311 -- This comment asks for modifications to data type correspondences table for locators. We believe no such changes are required.
- 18) #920 NLD-P02-044 -- Same as #918
- 19) #1010 USA-P02-355
- 20) #1011 USA-P02-356
- 21) #1014 NLD-P02-067 - The answer is yes.
- 22) #1015 NLD-P02-068 - The answer is yes.
- 23) #1206 GBR-P02-360
- 24) #1362 CAN-P05-005
- 25) #1377 GBR-P05-008
- 26) #1378 CAN-P05-007
- 27) #1379 USA-P05-007
- 28) #1385 USA-P05-009
- 29) #1386 CAN-P05-011
- 30) #1399 CAN-P05-015
- 31) #1401 USA-P05-015 -- Do not accept the solution contained in the comment.
- 32) #1523 CAN-P05-041

The following locator-related comments are not addressed by this paper:

- 1) Seq#905 USA-P02-302 -- This comment asks for locator parameters for externally-invoked procedures. We recommend leaving this comment open since we were not able to complete this task in this paper.
- 2) Seq#1069 CAN-P02-122 --- This comment asks for restrictions on fetch statement.
- 3) Seq#1427 USA-P05-023 --- Dynamic SQL issue
- 4) Seq#1430 USA-P05-020 --- Dynamic SQL issue
- 5) Seq#1432 USA-P05-026 --- Dynamic SQL issue

- 6) Seq#1481 USA-P05-044 --- Dynamic SQL issue
 7) Seq#1503 USA-P05-049 --- This comment asks for array locator support for Ada, Fortran, MUMPS, Pascal, and PL/I.
 8) Seq#1524 CAN-P05-042 --- same as #1069

8.33. USA-P01-013 (Seq#0034)

OPEN.

8.34. USA-P01-014 (Seq#0035) (see comment)

Adopted unanimously.

8.35. USA-P01-015 (Seq#0036)

OPEN.

Action item 2: Nelson Mattos to provide the Editor with direction to determine how to change each occurrence of “abstract data type” and “named row type”. See agenda item 8.35 USA-P01-015 (Seq#0036).

8.36. USA-P01-016 (Seq#0037) (see comment)

Comment was withdrawn by USA and deemed resolved.

8.37. CAN-P01-007 (Seq#0038)

See agenda item 8.38.

8.38. DEU-P01-016 (Seq#0039) (see comment)

Amended to read as follows:

- a) Change first sentence of Subclause 4.6.5, Distinct types to read “A distinct type is a user-defined data type that is based on some pre-defined data types. The values of a distinct type are in a one-to-one correspondence with the values of the pre-defined data type.”

Adopted unanimously as amended. This change resolved Seq#0038 and Seq#0039.

8.39. USA-P01-017 (Seq#0040)

OPEN.

8.40. USA-P01-018 (Seq#0041) (see comment)

Adopted unanimously.

8.41. USA-P01-019 (Seq#0042) (see comment)

Amended as follows:

- a) delete the text “keywords” and “the keyword” in the proposed text.

Adopted unanimously as amended.

8.42. USA-P01-020 (Seq#0043) (see comment)

Adopted unanimously.

8.43. USA-P01-021 (Seq#0044) (see comment)

USA withdrew this comment. Resolved with no action.

8.44. USA-P01-022 (Seq#0045) (see comment)

USA withdrew this comment. Resolved with no action.

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8.45. CAN-P01-008 (Seq#0046) (see comment)

Adopted unanimously.

8.46. CAN-P01-009 (Seq#0047) (see comment)

Adopted unanimously.

8.47. CAN-P01-011 (Seq#0048) (see comment)

Adopted unanimously.

8.48. USA-P01-023 (Seq#0049) (see comment)

The proposed text was rejected. Instead the following solution was proposed: modify the first paragraph: a) to change “either it” to “either the transaction”.

Adopted unanimously

8.49. USA-P01-024 (Seq#0050) (see comment)

Amended as follows:

- a) change “will be” to “is” two times,
- b) points 2 and 4 were withdrawn,
- c) change point 3 to replace “SERIALIZATION” to “SERIALIZABLE”.

Adopted unanimously as amended.

8.50. CAN-P01-012 (Seq#0051) (see comment)

Adopted unanimously.

8.51. USA-P01-025 (Seq#0052)

Adopted editorially by the Editor.

8.52. CAN-P01-013 (Seq#0053)

Adopted editorially by the Editor.

8.53. CAN-P01-014 (Seq#0054) (see comment)

Adopted unanimously.

8.54. DEU-P01-017 (Seq#0055) (see comment)

Adopted unanimously.

8.55. USA-P01-026 (Seq#0056) (see comment)

Adopted unanimously.

8.56. CAN-P01-015 (Seq#0057)

Resolved by the solution to USA-P01-027 (Seq#0058). See agenda item 8.57.

8.57. USA-P01-027 (Seq#0058) (see comment)

Adopted unanimously.

8.58. USA-P01-028 (Seq#0059) (see comment)

Adopted unanimously.

8.59. CAN-P01-016 (Seq#0060) (see comment)

Adopted unanimously.

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8.60. USA-P01-029 (Seq#0061) (see comment)

Adopted unanimously.

8.61. GBR-P01-001 (Seq#0062)

Adopted editorially by the Editor.

8.62. CAN-P01-017 (Seq#0063)

Adopted editorially by the Editor.

8.63. USA-P01-030 (Seq#0064) (see comment)

Adopted unanimously.

8.64. USA-P01-031 (Seq#0065)

OPEN.

8.65. DEU-P01-018 (Seq#0066) (see comment)

Amended as follows:

a) Replace the proposed text with “The contents of each annex provides additional information, some of which restates that which is stated elsewhere in the normative text.”

Adopted unanimously as amended.

8.66. USA-P01-032 (Seq#0069) (see comment)

Adopted unanimously.

8.67. CAN-P01-018 (Seq#0070)

DBL CWB-123 was tabled to resolve CAN-P01-018. DBL CWB-123 was amended as follows:

- a) Section 8.1.4, fourth paragraph, delete the word “valuable”
- b) Section 8.1.4, add at the end of the penultimate paragraph “Under the Syntax Option” add the following paragraph: “It does not necessarily detect violations that depend on the data type of syntactic elements even if such violations are in principle deducible from the syntax alone.”
- c) Section 8.1.4, last paragraph, change “may” to “shall”
- d) Section 8.1.4, last paragraph, add the following sentence “The flagger does not necessarily execute or simulate the execution of any <schema definition statement> or <schema manipulation statement>.”

DBL CWB-123 was adopted unanimously as amended.

8.68. CAN-P01-019 (Seq#0071)

DBL CWB-124 was tabled to resolve CAN-P01-019. DBL CWB-124 was amended as follows:

- a) add an item to delete Annex G from Part 2.
- b) add the “USA” to the address.

DBL CWB-124 was adopted unanimously as amended. Adoption of DBL CWB-124 resolves the following ballot comments:

- a) CAN-P01-019 (Seq#0071)
- b) NLD-P02-080 (Seq#1065) See agenda item 9.800
- c) CAN-P02-120 (Seq#1066) See agenda item 9.801

8.69. USA-P01-033 (Seq#0072)

Adopted editorially by the Editor.

8.70. CAN-P01-021 (Seq#0074)

Resolved by action in agenda item 8.74.

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8.71. CAN-P01-022 (Seq#0075)

OPEN.

8.72. USA-P01-034 (Seq#0076)

OPEN.

8.73. USA-P01-035 (Seq#0077)

OPEN.

8.74. USA-P01-036 (Seq#0078) (see comment)

Adopted unanimously.

8.75. CAN-P01-023 (Seq#0079)

OPEN.

8.76. CAN-P01-001 (Seq#0080)

Adopted editorially by the Editor.

8.77. CAN-P01-024 (Seq#0081)

Deemed resolved by the lack of any Editor's Notes.

8.78. CAN-P01-025 (Seq#0082)

Deemed resolved by the lack of any Possible Problems.

8.79. ITA-P01-001 (Seq#0083)

Resolved by DBL CWB-013R1, DBL CWB-15R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1. See agenda item 9.808.

8.80. USA-P01-037 (Seq#0085)

OPEN.

8.81. USA-P01-038 (Seq#0086)

OPEN.

9. SQL/Foundation Topics

9.1. CAN-P02-001 (Seq#0087) (see comment)

Amended as follows:

a) change "Part 1 through 7" to "Part 1 through 5".

Adopted unanimously as amended.

9.2. CAN-P02-002 (Seq#0088) (see comment)

Adopted unanimously.

9.3. USA-P02-001 (Seq#0089) (see comment)

NLD-P02-090 (Seq#1085)

NLD-P02-150 (Seq#1145)

NLD-P02-151 (Seq#1146)

NLD-P02-155 (Seq#1150)

NLD-P02-180 (Seq#1193)

The lists comments are all resolved by the adoption of the solution in USA-P02-001 (Seq#0089).

9.4. USA-P02-002 (Seq#0090) (see comment)

Adopted unanimously.

9.5. JPN-P02-001 (Seq#0091)

See agenda item 8.22. This ballot comment was closed by DBL CWB-051.

9.6. NLD-P02-002 (Seq#0092)

See agenda item 8.22. This ballot comment was closed by DBL CWB-051.

9.7. USA-P02-003 (Seq#0093)

OPEN.

9.8. GBR-P02-001 (Seq#0094) (see comment)

Adopted unanimously.

9.9. USA-P02-004 (Seq#0095) (see comment)

Adopted unanimously.

9.10. USA-P02-005 (Seq#0096)

OPEN.

9.11. GBR-P02-004 (Seq#0099) (see comment)

Amended as follows:

- a) do not delete the definition,
- b) delete the first sentence of gg).

Adopted unanimously as amended.

9.12. GBR-P02-006 (Seq#0101)

Hugh Darwen agree to draft a paper to solve GBR-P02-006. See agenda item 9.12 GBR-P02-006 (Seq#0101).

This action item was closed by the tabling of DBL CWB-120. DBL CWB-120 was adopted unanimously. Adoption of DBL CWB-120 finally resolved the problem identified by GBR-P02-006.

9.13. NLD-P02-003 (Seq#0102)

Adopted editorially by the Editor.

9.14. NLD-P02-004 (Seq#0103)

Adopted editorially by the Editor.

9.15. NLD-P02-005 (Seq#0104)

Adopted editorially by the Editor.

9.16. USA-P02-006 (Seq#0105)

OPEN.

9.17. USA-P02-007 (Seq#0106)

OPEN.

9.18. USA-P02-008 (Seq#0107)

OPEN.

9.19. USA-P02-013 (Seq#0112)

DBL CWB-111 was tabled to resolve this and related ballot comments. DBL CWB-111 was adopted unanimously. Adoption of DBL CWB-111 resolves the following ballot comments:

- a) USA-P02-013 (Seq#0112)
- b) USA-P02-014 (Seq#0113)
- c) USA-P02-015 (Seq#0114)
- d) GBR-P02-125 (Seq#0454)
- e) NLD-P02-018 (Seq#0455)
- f) NLD-P02-018 (Seq#0456)
- g) USA-P02-164 (Seq#0457)
- h) GBR-P02-124 (Seq#0458)

9.20. USA-P02-014 (Seq#0113)

See agenda item 9.19

9.21. USA-P02-015 (Seq#0114)

See agenda item 9.19

9.22. USA-P02-016 (Seq#0115)

OPEN.

9.23. CAN-P02-003 (Seq#0119)

OPEN.

9.24. USA-P02-020 (Seq#0120)

See DBL CWB-126R1 in agenda item 8.32.

9.25. NLD-P02-006 (Seq#0121)

See DBL CWB-126R1 in agenda item 8.32.

9.26. GBR-P02-007 (Seq#0122)

See DBL CWB-126R1 in agenda item 8.32.

9.27. GBR-P02-009 (Seq#0124)

See agenda item 9.28.

9.28. USA-P02-021 (Seq#0125) (see comment)

Adopted unanimously. This solves Seq#125 and Seq#124 (agenda item 9.27).

See also agenda items 9.106 and 9.235 for related ballot comments. The change required in 9.106 is implied in the comment and the solution in 9.235 is also appropriate.

9.29. GBR-P02-010 (Seq#0126)

OPEN.

9.30. GBR-P02-011 (Seq#0127)

OPEN.

9.31. CAN-P02-004 (Seq#0128)

OPEN.

9.32. USA-P02-022 (Seq#0129)

DBL CWB-128 was amended as follows:

- a) section 2.2.1, replace c) with “The descriptor of no type Tc that precedes Tb in the type precedence list of Ta includes a non-empty ordering form.”
- b) section 2.2.1, add the following sentence after c) “If there is no such type Tb then Ta has no comparison type.”
- c) section 2.2.1, item b): change “not empty” to “EQUAL or FULL”
- d) section 2.7.5, rewrite the rules b), c), and d) as follows:
 - b) Case:
 - i) If V is the null value, then RV is null.
 - ii) Otherwise,
 - A) existing b)
 - B) existing c)
 - C) existing d)
- Note that the existing rule e) becomes c).
- e) section 2.7.3, change “the data type” to “the declared type”
- f) section 2.3.5, add a note to this GR 6) “If the source type of the distinct type is a large object type, for which no comparisons other than equality and inequality are defined, the ORDER FULL specification does not permit any comparisons other than those allowed for large object types.
- g) in section 2.4, delete SR 6)b)iv).
- h) section 2.1.1, change “EQUAL or FULL” to “EQUAL, FULL or NONE”
- i) section 2.4, SR 2): change “include an empty ordering form” to “include an ordering form that specifies NONE”.
- j) section 2.5, SR2): change “that is not empty” to “that is EQUAL or FULL”.
- k) section 2.3.4, replace the two deleted subrules with “x) The ordering form for ST is NONE.”

DBL CWB-128 as amended and as completed by DBL CWB-160 were adopted unanimously. Adoption of these papers resolved the following ballot comments:

- a) Seq#129 USA-P02-022
- b) Seq#139 NLD-P02-007
- c) Seq#441 USA-P02-153
- d) Seq#443 USA-P02-155
- e) Seq#445 USA-P02-157
- f) Seq#783 USA-P02-244
- g) Seq#785 USA-P02-246
- h) Seq#787 USA-P02-248
- i) Seq#788 USA-P02-249
- j) Seq#789 USA-P02-250
- k) Seq#793 CAN-P02-092
- l) Seq#801 NLD-P02-035
- m) Seq#807 USA-P02-253
- n) Seq#809 USA-P02-255
- o) Seq#811 USA-P02-257
- p) Seq#815 USA-P02-260
- q) Seq#816 USA-P02-261

9.33. USA-P02-023 (Seq#0130)

OPEN.

9.34. USA-P02-024 (Seq#0131)

See DBL CWB-126R1 in agenda item 8.32.

9.35. USA-P02-025 (Seq#0132)

OPEN.

9.36. USA-P02-026 (Seq#0133) (see comment)

Adopted unanimously.

9.37. GBR-P02-012 (Seq#0134) (see comment)

Amended as follows:

- a) change “then every value” with “then the most specific type of every value”.
- b) change “necessarily of” with “necessarily”.

Adopted unanimously as amended.

9.38. USA-P02-027 (Seq#0135)

OPEN.

9.39. GBR-P02-013 (Seq#0137) (see comment)

Adopted unanimously.

9.40. GBR-P02-014 (Seq#0138) (CWB-070)

Amended as follows:

- a) section 2.1, item 4: change “distinct data” to “user-defined”
- b) section 2.1, item 4: change “can be such” to “that are not compatible can be such”
- c) section 2.1, item 4: append a sentence that points the reader to Subclause 11.40 in a note to this change.

Adopted unanimously as amended. Ballot comment GBR-P02-14 (Seq#0138) was resolved by the adoption of DBL CWB-070.

9.41. NLD-P02-007 (Seq#0139)

See DBL CWB-128 in agenda item 9.32.

9.42. CAN-P02-005 (Seq#0140)

OPEN.

9.43. USA-P02-029 (Seq#0141) (CWB-086)

Canada’s paper DBL CWB-095 was also discussed under this agenda item. Paul Cotton pointed that Canada still believed the rationale in DBL LGW-145 which was used to originally close the CD comments that this comment replicates:

“Scope clause was introduced purely as means to check authorization of dereference operations at Syntax Rule time. In fact, the SRs of <dereference operation> treat a DEREf operation as a syntactic sugar for writing a subquery. Since subqueries return nulls when the result is an empty table, DEREf is being consistent with the semantics of subqueries.

SQL supports referential constraints which are the means a user may use to prohibit the assignment of the reference of a row of table T to a column whose scope does not include T. So, users can make use of referential constraints to address the described issue. Moreover, comments closed in Madrid asked for consistency among DEREf, <field reference>, and <component reference> and it was agreed in Madrid that all these operators should return null (instead of raising an exception) when such operations do not make "much sense".”

Canada indicated concern about the interaction of the triggers defined in this paper and user-defined triggers especially in the future if an ALTER TABLE facility was supported to drop or add the ability to CHECK REFERENCES. Canada maintained its position on this area as indicated in DBL CWB-095.

DBL CWB-086R1 was tabled as a complete revision to DBL CWB-086 (see DBL CWB-086 for the rationale):

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

Motion adopted (6-1-0).

Adoption of DBL CWB-086R1 resolved the following ballot comments:

- a) Seq#0141 USA-P02-029
- b) Seq#0145 FRA-P02-001

9.44. USA-P02-030 (Seq#0142)

OPEN.

9.45. USA-P02-031 (Seq#0143) (see comment)

Adopted unanimously.

9.46. USA-P02-032 (Seq#0144)

OPEN.

9.47. FRA-P02-001 (Seq#0145)

See DBL CWB-86R1 in agenda item 9.43.

9.48. USA-P02-033 (Seq#0146)

OPEN.

9.49. GBR-P02-016 (Seq#0148) (partially done editorially)

Hugh agree to propose text to solve GBR-P02-016. See also USA-P02-035 (Seq#0150).

Hugh tabled DBL CWB-119 to handle this ballot comment. Adopted unanimously.

9.50. USA-P02-034 (Seq#0149)

OPEN.

9.51. USA-P02-035 (Seq#0150) (see comment)

See agenda item 9.49.

9.52. CAN-P02-006 (Seq#0151)

OPEN.

9.53. USA-P02-036 (Seq#0152) (see comment)

Adopted uanimously.

9.54. USA-P02-037 (Seq#0153) (see comment)

The solution in this comment was rejected and the comment was deemed resolved with no further action.

9.55. GBR-P02-017 (Seq#0154)

OPEN.

9.56. CAN-P02-007 (Seq#0155)

OPEN.

9.57. USA-P02-038 (Seq#0156)

OPEN.

9.58. USA-P02-028 (Seq#0136)

USA-P02-040 (Seq#0158)

USA-P02-041 (Seq#0159)

USA-P02-154 (Seq#0442)

USA-P02-187 (Seq#0515) (see also comment)

GBR-P02-358 (Seq#1074) (CWB-043 – not 136 or 158)

(CWB-077 – 158 & 159 only)

(CWB-078 – 136 only)

DBL CWB-043 was amended as follows:

- a) section 2.1, item x3): change “distinct” to “not compatible”. Add the sentence “‘Compatible’ is defined in Subclause 4.14, ...”
- b) section 2.1, item x4): change “distinct” to “not compatible”. Add the sentence “‘Compatible’ is defined in Subclause 4.14, ...”
- c) section 2.2: change “such as parameters” to “such as SQL parameters”
- d) section 2.3, point 1: change “are the same type” to “are compatible”
- e) section 2.7, point 1: change “A value V whose most specific type is” to “An expressions E whose declared type is”
- f) section 2.7, point 1: change “The result of the assignment” to “The effect of the assignment of E to S”
- g) section 2.7, point 1: change “the value S is V” to “the value S of V yielded by the evaluation of E”
- h) section 2.8, point 1: omit the changes to 4.9.0.1 and 4.9.0.3
- i) section 2.8, point 1: add a change “data types of ... the arguments”
- j) section 2.8, point 3: omit the changes to 4.9.0.1, 4.9.0.2, 4.9.0.3 and 4.26.
- k) section 2.8, point 3: changes to 10.4: change the first two occurrences of “result type of” to “result data type of”
- l) section 2.8, point 3, changes to 10.4: omit the last two changes to SR 6)e)ii)3)A)II) and GR 9)h)ii)

Nelson Mattos also provided the editor with changes on DBL CWB-048 arising from the changes proposed in DBL CWB-043.

Adopted unanimously as amended.

The fourth change in DBL CWB-077 was withdrawn. DBL CWB-077 as amended was adopted unanimously.

DBL CWB-078 was withdrawn since its changes were subsumed by the adopted changes in the amended DBL CWB-043.

The adoption of DBL CWB-043 and DBL CWB-077 resolved the following comments:

USA-P02-028 (Seq#0136)

USA-P02-040 (Seq#0158)

USA-P02-041 (Seq#0159)

USA-P02-154 (Seq#0442)

USA-P02-187 (Seq#0515)

GBR-P02-358 (Seq#1074)

Action item 3: Hugh Darwen to review his change in Section DBL CWB-043 Section 2.2. that defines “three data types” to determine if the addition of a new data type has broken any text e.g. “not a predefined data type”. See agenda item 9.58.

Action item 4: Hugh Darwen to produce a revised version of DBL CWB-043 for the Editor. See agenda item 9.58.

9.59. USA-P02-039 (Seq#0157)

See DBL CWB-126R1 in agenda item 8.32.

9.60. GBR-P02-018 (Seq#0160)

OPEN.

9.61. GBR-P02-019 (Seq#0161)

OPEN.

9.62. GBR-P02-020 (Seq#0162)

OPEN.

9.63. USA-P02-042 (Seq#0163)

OPEN.

9.64. CAN-P02-008 (Seq#0164)

OPEN.

9.65. USA-P02-043 (Seq#0165) (see comment)

Amended as follows:

a) change “unit of data” to “unit of SQL-data”.

Adopted unanimously as amended.

9.66. GBR-P02-022 (Seq#0166)

USA-P02-211 (Seq#0620)

USA-P02-225 (Seq#0680)

USA-P02-226 (Seq#0681) (CWB-039)

DBL CWB-039 was amended as follows:

a) section 2.2, item 2: replace “is not permitted” to “cannot”

b) section 2.3, item 2: replace the new rule with: e) The subtable family of T shall have exactly one supertable.”.

DBL CWB-039 was adopted unanimously as amended. Adoption of DBL CWB-039 resolved the following ballot comments:

GBR-P02-022 (Seq#0166)

USA-P02-211 (Seq#0620)

USA-P02-225 (Seq#0680)

USA-P02-226 (Seq#0681)

FRA-P02-008 (Seq#625) (see agenda item 9.429)

9.67. CAN-P02-009 (Seq#0167) (see comment)

Adopted unanimously.

9.68. CAN-P02-010 (Seq#0168)

OPEN.

9.69. GBR-P02-024 (Seq#0169)

OPEN.

DBL BBN-027

9.70. USA-P02-044 (Seq#0170) (see comment)

USA withdrew the ballot comment. Comment resolved with no action required.

9.71. USA-P02-045 (Seq#0171) (see comment)

Adopted unanimously.

9.72. GBR-P02-021 (Seq#0172)

OPEN.

9.73. USA-P02-046 (Seq#0173) (see comment)

Adopted unanimously.

9.74. GBR-P02-057 (Seq#0273) (CWB-068)

DBL CWB-068 was amended as follows:

- a) in section 2.1, point 1: delete the proposed text “A value in a structured type ... is called a distinct type value.”
- b) in section 2.2, point 2: delete the word “current”

Adopted without objection. Adoption of DBL CWB-068 resolved GBR-P02-057 (Seq#273)

9.75. USA-P02-047 (Seq#0175)

OPEN.

9.76. GBR-P02-026 (Seq#0177)

OPEN.

9.77. GBR-P02-027 (Seq#0178)

OPEN.

9.78. GBR-P02-028 (Seq#0179)

DBL CWB-099 was tabled to resolve this ballot comment.

DBL CWB-099 was amended as follows:

- a) section 2.3, item 1: insert “contained” before “in”.

DBL CWB-099 was adopted unanimously as amended. DBL CWB-099 resolved the following ballot comments:

GBR-P02-028 (Seq#0179)

GBR-P02-319 (Seq#0895) (see agenda item 9.660)

9.79. CAN-P02-011 (Seq#0180)

DBL CWB-113 was adopted unanimously. Adoption of DBL CWB-113 resolved the following ballot comments:

- a) USA-P02-048
- b) USA-P02-064
- c) USA-P02-065
- d) USA-P02-076 -- We propose not accepting the solution provided in the comment.
- e) USA-P02-077
- f) USA-P02-080
- g) USA-P02-289
- h) CAN-P02-011
- i) CAN-P02-017
- i) CAN-P02-019 -- We propose not accepting the solution provided in the comment.

- k) CAN-P02-020 -- We propose not accepting the solution provided in the comment.
- l) CAN-P02-102 -- We propose not accepting the solution provided in the comment.
- m) GBR-P02-029 -- We propose not accepting the solution provided in the comment.
- n) GBR-P02-045 -- We propose not accepting the solution provided in the comment.
- o) GBR-P02-308
- p) GBR-P02-310 -- We propose not accepting the solution provided in the comment.

9.80. GBR-P02-029 (Seq#0181) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.81. USA-P02-048 (Seq#0182)

See DBL CWB-113 and agenda item 9.79.

9.82. USA-P02-049 (Seq#0183)

USA-P02-091 (Seq#0284)

USA-P02-189 (Seq#0522) (partial)

USA-P02-370 (Seq#1172) (CWB-048)

(CWB-084)

(CWB-087)

DBL CWB-048 was amended as follows:

- a) In proposal section 3.12.2, proposed GR 2)b)i), replace "in any order" with "in an implementation-dependent order" and insert a corresponding entry in the Annex.
- b) In proposal section 3.12.2, final proposed GR 2)b)v), replace "Otherwise," with "If SR is not an SQL-invoked routine,".
- c) In proposal section 3.13, all of the proposed SRs have to be revised to change the assumption that PM and P are values (they are types); furthermore, in the uses of this new Subclause, the invocations must be changed from using values to using types. Hugh will provide the words.

DBL CWB-048 was adopted unanimously as amended.

Adoption of DBL CWB-048 resolves the following ballot comments: USA-P02-049 (Seq#0183), USA-P02-091(Seq#0284), and USA-P02-0370 (Seq#1172).

DBL CWB-084 was adopted unanimously. Adoption of DBL CWB-084 completes the resolution of USA-P02-189 (Seq#0522).

DBL CWB-131R1 was adopted unanimously.

DBL CWB-118 was provided to the Editor for action. In contains editorial changes to DBL CWB-048 aligned for the changes made in DBL CWB-131R1.

Vote on DBL CWB-087:

For: Netherlands, USA

Against: Canada

Abstain: Germany, UK

Failed (2-1-2) by lack of concensus.

On the last day of the meeting the USA requested a reconsideration of DBL CWB-087:

For: Japan, Germany, Netherlands, USA

Against: Canada, UK

DBL BBN-027

Adopted (4-2).

9.83. USA-P02-050 (Seq#0184)

OPEN.

9.84. USA-P02-051 (Seq#0185)

DBL CWB-088R1 and DBL CWB-138R1 were moved as a joint set of papers:

For: Canada, Japan, Netherlands, USA

Against:

Abstain: Germany, UK

Motion passed (4-0-2). Adoption of DBL CWB-088R1 and DBL CWB-138R1 do NOT resolve Seq#0185 (USA-P02-051) but did solve #Seq1053 CAN-P02-119.

OPEN.

9.85. CAN-P02-012 (Seq#0186) (see comment)

Amended as follows:

- a) change to proposal to change “<SQL-client module>” to “<SQL-client module definition>”,
- b) change 12.1, <SQL-client module definition> GR 3)a): change “<SQL-client module>” to “SQL-client module”
- c) change 12.2, <module name clause>, SR 1): change “<SQL-client module>” to “SQL-client module”

Adopted unanimously as amended.

9.86. CAN-P02-013 (Seq#0187)

See agenda item 9.89.

9.87. USA-P02-052 (Seq#0188) (see comment)

Adopted unanimously.

9.88. GBR-P02-031 (Seq#0190)

OPEN.

9.89. CAN-P02-014 (Seq#0192)

DBL CWB-100 was tabled to handle this ballot comment.

DBL CWB-100 was adopted unanimously. This resolved ballot comment CAN-P02-014 (Seq#0192) and CAN-P02-013 (Seq#187) (see agenda item 9.86).

9.90. USA-P02-053 (Seq#0193)

OPEN.

9.91. GBR-P02-032 (Seq#0194) (see comment)

Adopted unanimously.

9.92. GBR-P02-033 (Seq#0195)

OPEN.

9.93. USA-P02-054 (Seq#0196)

OPEN.

9.94. NLD-P02-008 (Seq#0198)

DBL CWB-139 was adopted unanimously. The meeting chose the second alternative in Section 2.2.

9.95. GBR-P02-035 (Seq#0199)

See DBL CWB-13R1, DBL CWB-15R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-60R1 in agenda item 9.808.

9.96. GBR-P02-037 (Seq#0201)

See DBL CWB-126R1 in agenda item 8.32.

9.97. GBR-P02-038 (Seq#0202) (see comment)

Amended as follows:

- a) Copy the third paragraph to SQL/Bindings with a tag [Replace the 3rd paragraph].
- b) Remove the offending text “or SQL-session module”.

Adopted unanimously.

9.98. USA-P02-055 (Seq#0204)

USA-P02-088 (Seq#0276)

USA-P02-089 (Seq#0277)

USA-P02-092 (Seq#0285)

Note that these are unrelated ballot comments.

USA-P02-055 OPEN.

USA-P02-088 OPEN.

USA-P02-089 OPEN.

USA-P02-092. DBL CWB-115R1 was tabled to handle this ballot comment. DBL CWB-115R1 was amended as follows:

- a) in section 3.2.1, in SR 2) add “, method reference” after “monadic reference”
- b) in section 3.2.1, in GR 5) add “, method reference” after “monadic reference”
- c) in SQL/Bindings 13.6 <prepare statement> modify to GR 4): ii) to replace “or <observer reference>” with “<method reference> or <dereference operation>”.

Adopted unanimously as amended.

9.99. GBR-P02-039 (Seq#0205)

See DBL CWB-126R1 in agenda item 8.32.

9.100. GBR-P02-041 (Seq#0208) (see comment)

See DBL CWB-130 in agenda item 9.150.

9.101. GBR-P02-043 (Seq#0209) (see comment)

Adopted editorially by the Editor.

9.102. GBR-P02-044 (Seq#0210) (see comment)

Adopted editorially by the Editor.

9.103. JPN-P02-110 (Seq#0211) (see comment)

Adopted editorially by the Editor.

9.104. JPN-P02-111 (Seq#0212) (see comment)

Adopted editorially by the Editor.

9.105. USA-P02-056 (Seq#0213) (CWB-081)

DBL CWB-081 was adopted unanimously. Adoption of DBL CWB-081 resolves the following ballot comments:

- a) Seq#0213 USA-P02-056
- b) Seq#0280 CAN-P02-027
- c) Seq#0281 USA-P02-090
- d) Seq#0282 DEU-P02-001
- e) Seq#0286 USA-P02-093

9.106. GBR-P02-042 (Seq#0214)

See agenda item 9.28.

9.107. USA-P02-057 (Seq#0215) (see comment)

Adopted editorially by the Editor.

9.108. CAN-P02-015 (Seq#0217)

OPEN.

9.109. CAN-P02-016 (Seq#0218) (see comment)

Adopted unanimously.

9.110. USA-P02-059 (Seq#0219) (see comment)

Adopted editorially by the Editor.

9.111. USA-P02-060 (Seq#0220)

OPEN.

9.112. USA-P02-061 (Seq#0221)

DBL CWB-155 was adopted unanimously. Adopted of DBL CWB-155 resolved the following ballot comments:

- a) Seq#0221 USA-P02-061
- b) Seq#1229 USA-P04-013
- c) Seq#1396 USA-P05-014

9.113. CAN-P02-017 (Seq#0223)

Resolved by DBL CWB-113. See agenda item 9.79.

9.114. GBR-P02-045 (Seq#0224) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.115. NLD-P02-009 (Seq#0225)

Adopted editorially by the Editor. DBL CWB-134R1 was tabled to assist the Editor in processing this editorial action. DBL CWB-134R1 was adopted unanimously with direction to the Editor to change the cases which include the phrase “the equivalent”.

9.116. USA-P02-063 (Seq#0226) (see comment)

Adopted editorially by the Editor.

9.117. USA-P02-064 (Seq#0227)

Resolved by DBL CWB-113. See agenda item 9.79.

9.118. USA-P02-065 (Seq#0228)

Resolved by DBL CWB-113. See agenda item 9.79.

9.119. CAN-P02-018 (Seq#0229)

DBL CWB-096 was tabled to solve CAN-P05-014 and CAN-P02-018.

The USA expressed strong opposition to DBL CWB-096 since they felt it was withdrawing a feature that is required to solve the application requirement of merging two separate databases and then needing to have another table that references similar tables from each of the separate databases. Canada and UK suggested that the cautious approach outlined in DBL CWB-096 could be extended to support this application requirement by removing the restriction in Subclause 4.11, References “The name of the referenceable **base** table, if any, that is the scope of the reference type.” that force references to only base tables by permitting references to views. Canada pointed out that the application requirement outlined by the USA usually involves the creation of views to permit the merger of the separate databases and therefore having references to views would be very useful.

In response to the above the USA maintained its opposition although they said they would like to review the possibility of using references to views:

- a) as a solution to the “merger” application requirement expressed above
- b) to determine the acceptability of this to the vendors represented in the USA committee.

For: Canada, Germany, UK

Against: Netherlands, Japan, USA

Abstain: None

DBL CWB-096 failed (3-3-0).

The USA pointed out that Seq#1175 USA-P02-373 was a ballot comment that was related to the above problems since it requested that concept of typed tables be extended to views:

User-defined types can be used to define base tables of structured types in SQL3. However, there are no mechanisms to allow the definition of views of structured types. We should try to extend SQL3's use of structured types to allow the definition of views if this is simple to do and will not require major changes to the document.

The USA suggested that a solution to the above comment that then permitted references to typed views might meet the application requirement

9.120. CAN-P02-024 (Seq#0230)

OPEN.

9.121. FRA-P02-003 (Seq#0231)

OPEN.

9.122. FRA-P02-004 (Seq#0232)

See agenda item 9.166.

DBL BBN-027

- 9.123. USA-P02-066 (Seq#0233)**
- USA-P02-069 (Seq#0236)**
- FRA-P02-002 (Seq#0261)**
- USA-P02-213 (Seq#0635)**
- USA-P02-214 (Seq#0636)**
- USA-P02-218 (Seq#0649)**
- USA-P02-243 (Seq#0782) (CWB-024 – 236 only)**
- (CWB-085 – not 236)**

DBL CWB-024 was adopted unanimously. Adoption of DBL CWB-024 resolved USA-P02-069 (Seq#0236).

DBL CWB-164 surveyed SQL/Bindings and SQL/PSM for impacts of the implicit meaning of TIME being TIME WITHOUT TIME ZONE. Adopted unanimously.

Action item 5: Paul Cotton and Fred Zemke to check if there are any Information Schema implications of DBL CWB-024. See SQL/Foundation Subclause 19.3.7 DATA_TYPE_DESCRIPTOR Definition DATA_TYPE_CHECK_COMBINATIONS which refers to 'TIME' and 'TIMESTAMP' without 'WITHOUT TIME ZONE'. See agenda item 9.123.

DBL CWB-085 was tabled to solve several USA ballot comments. Canada tabled DBL CWB-095 as their response to the USA ballot comments.

Move to adopted DBL CWB-085:
For: Brazil, Germany, Netherlands, UK, USA
Against: Canada
Abstain: None

Adopted (5-1-0). Adoption of DBL CWB-085 resolves the following ballot comments:

- USA-P02-066 (Seq#0233)
- FRA-P02-002 (Seq#0261)
- USA-P02-213 (Seq#0635)
- USA-P02-214 (Seq#0636)
- USA-P02-218 (Seq#0649)
- USA-P02-243 (Seq#0782)
- USA-P02-067 (Seq#0234) (see agenda item 9.124)

9.124. USA-P02-067 (Seq#0234)

See agenda item 9.123.

9.125. USA-P02-068 (Seq#0235)

OPEN.

9.126. USA-P02-070 (Seq#0237) (CWB-026)

Adopted unanimously.

Action item 6: Fred Zemke will ensure that any incompatibility between the change described in DBL CWB-026 Section 2.1 is not incompatible with the changes adopted by DBL LGW-142. See agenda item 9.126.

9.127. USA-P02-071 (Seq#0238)

OPEN.

9.128. CAN-P02-019 (Seq#0239) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.129. CAN-P02-020 (Seq#0240) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.130. CAN-P02-021 (Seq#0241)

OPEN.

9.131. CAN-P02-022 (Seq#0242)

OPEN.

9.132. CAN-P02-023 (Seq#0243) (see comment)

Adopted editorially by the Editor.

9.133. GBR-P02-046 (Seq#0244)

OPEN.

9.134. GBR-P02-049 (Seq#0245)

USA-P02-074 (Seq#0250) (CWB-036)

DBL CWB-036 adopted unanimously. Adoption of DBL CWB-036 resolved GBR-P02-049 (Seq#0245) and USA-P02-074 (Seq#0250).

Action item 7: Canada to check Information Schema for REF type characteristics including SYSTEM-GENERATED and SCOPE.

9.135. GBR-P02-050 (Seq#0246)

DBL CWB-121 was adopted unanimously.

9.136. GBR-P02-051 (Seq#0247) (see comment)

Adopted unanimously.

9.137. USA-P02-072 (Seq#0248)

OPEN.

9.138. USA-P02-073 (Seq#0249)

OPEN.

9.139. USA-P02-075 (Seq#0251)

OPEN.

9.140. USA-P02-076 (Seq#0252) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.141. USA-P02-077 (Seq#0253) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.142. USA-P02-078 (Seq#0254)

OPEN.

9.143. USA-P02-079 (Seq#0255) (see comment)

Adopted unanimously.

DBL BBN-027

9.144. USA-P02-080 (Seq#0256)

Resolved by DBL CWB-113. See agenda item 9.79.

9.145. GBR-P02-052 (Seq#0259) (see comment)

The solution in this ballot comment was adopted. It was resolved by DBL CWB-051. See agenda item 8.22.

9.146. USA-P02-082 (Seq#0262)

OPEN.

9.147. USA-P02-083 (Seq#0263)

OPEN.

9.148. CAN-P02-025 (Seq#0267)

DBL CWB-127 as amended as follows:

a) change all occurrences of “<row value constructor>” to “<row value expression>”.

Adopted as amended.

Note to Editor. Section 2.1 overlaps with the DBL CWB-081 and the Access Rule being changed has been moved to <column reference>.

Adoption of DBL CWB-127 resolved the following ballot comments:

- a) CAN-P02-025 (Seq#0267)
- b) CAN-P02-030 (Seq#0312)
- c) CAN-P02-140 (Seq#0887)
- d) NLD-P02-055 (Seq#0986)
- e) CAN-P02-109 (Seq#1006)

9.149. GBR-P02-055 (Seq#0268) (see comment)

Hugh Darwen reviewed this comment in more detail and determined that this was resolved by DBL CWB-81 in agenda item 9.105.

9.150. NLD-P02-010 (Seq#0269)

DBL CWB-130 was adopted unanimously. Adoption of of DBL CWB-130 resolved the following ballot comments:

- 1) NLD-P02-098 (Seq#1093) Possible Problem 285
- 2) NLD-P02-135 (Seq#1130) Possible Problem 387
- 3) NLD-P02-145 (Seq#1140) Possible Problem 432
- 4) NLD-P02-146 (Seq#1141) Possible Problem 436
- 5) NLD-P02-167 (Seq#1142) Possible Problem 437
- 6) NLD-P02-156 (Seq#1151) Possible Problem 480
- 7) NLD-P02-159 (Seq#1154) Possible Problem 509
- 8) NLD-P02-157 (Seq#1152)
- 9) NLD-P02-164 (Seq#1159)
- 10) NLD-P02-128 (Seq#1123)
- 11) NLD-P02-010 (Seq#0269)
- 12) NLD-P02-134 (Seq#1129) was closed by section 2.1 of DBL CWB-130.

9.151. USA-P02-085 (Seq#0270) (see comment)

Adopted unanimously/

9.152. USA-P02-086 (Seq#0274)

OPEN.

9.153. USA-P02-087 (Seq#0275)

OPEN.

9.154. CAN-P02-027 (Seq#0280)

See DBL CWB-081 (agenda item 9.105).

9.155. USA-P02-090 (Seq#0281)

See DBL CWB-081 (agenda item 9.105).

9.156. DEU-P02-001 (Seq#0282) (see comment)

See DBL CWB-081 (agenda item 9.105).

9.157. GBR-P02-059 (Seq#0283)

OPEN.

9.158. USA-P02-093 (Seq#0286)

See DBL CWB-081 (agenda item 9.105).

9.159. GBR-P02-060 (Seq#0287)

OPEN.

9.160. USA-P02-094 (Seq#0289)

OPEN.

9.161. CAN-P02-028 (Seq#0290)

DBL CWB-149 was amended as follows:

a) add the following Syntax Rules 8.6 <similar predicate>

x) A <left bracket> contained in a <regular expression> shall not contain a <left bracket trigraph>.

y) A <right bracket> contained in a <regular expression> shall not contain a <right bracket trigraph>

For: Canada

Against: Netherlands, USA

Abstain: Brazil, Germany, Japan, UK

Paper failed (1-2-3).

DBL CWB-149R1 was tabled to solve the problem outlined in the first discussion of this paper with regards to <similar predicate>.

For: Brazil, Canada, Germany, UK

Against: Netherlands

Abstain: Japan, USA

Motion adopted (4-1-2).

Adoption of DBL CWB-149R1 resolved CAN-P02-028.

9.162. GBR-P02-062 (Seq#0291) (see comment)

Amended as follows:

a) In GR 1) add “or <numeric value expression>” after “<array value expression>”

DBL BBN-027

Adopted unanimously as amended.

9.163. CAN-P02-029 (Seq#0293)

See DBL CWB-115R1 in agenda item 9.98.

9.164. FRA-P02-005 (Seq#0294)

See agenda item 9.165.

9.165. GBR-P02-065 (Seq#0295)

USA-P02-095 (Seq#0296)

USA-P02-383 (Seq#1185) (CWB-069)

DBL CWB-069 was amended as follows:

- a) part 2.2, proposed new SR2), replace "the reference type descriptor of RVE" with "the declared type of RVE".
- b) part 2.2, proposed new SR2), DELETE the last sentence ("RR is effectively replaced..."). Then INSERT a new AR: If <reference resolution> is contained in a <schema definition>, then the user privileges of the current <authorization identifier> shall include SELECT on Si, $1 \leq i \leq m$; otherwise, the applicable privileges of the current <authorization identifier> shall include SELECT on Si, $1 \leq i \leq m$. Then INSERT a new GR: The value of <reference resolution> is the value of {{{insert the <scalar subquery> here}}} effectively evaluated without further Access Rule checking.
- c) part 2.1, item 1, delete the change to the Function; however, in the existing Function, replace "Access the columns" with "Access a column".
- d) part 2.2, Format, replace "VALUE" with "DEREF". Add "DEREF" to the list of <reserved word>s in Subclause 5.2, "<token> and <separator>".
- e) part 2.2, text and <scalar subquery> text, reverse the subscripts so that the first subscript varies down and the second varies across.
- f) On the last SELECT line of the <scalar subquery>, the rightmost a1,m should be am,1

DBL CWB-069 was adopted unanimously as amended. Adoption of DBL CWB-069 resolves the following comments:

GBR-P02-065 (Seq#0295)

USA-P02-095 (Seq#0296)

USA-P02-383 (Seq#1185)

FRA-P02-005 (Seq#0294) (see agenda item 9.164)

USA-P02-372 (Seq#1174) (see agenda item 9.902)

9.166. USA-P02-096 (Seq#0297)

GBR-P02-207 (Seq#0630) (CWB-040)

DBL CWB-040 was adopted unanimously. Adoption of DBL CWB-040 resolves the following comments:

USA-P02-096 (Seq#0297)

GBR-P02-207 (Seq#0630)

FRA-P02-004 (Seq#0232) (agenda item 9.122)

9.167. GBR-P02-066 (Seq#0300) (see comment)

Solution adopted unanimously. Note that this solution is also found in DBL CWB-025.

9.168. GBR-P02-067 (Seq#0301)

OPEN.

9.169. DEU-P02-003 (Seq#0302)

OPEN.

9.170. GBR-P02-068 (Seq#0303) (see comment)

See DBL CWB-037R2 agenda item 9.552.

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9.171. NLD-P02-011 (Seq#0304)

OPEN.

9.172. USA-P02-098 (Seq#0305)

OPEN.

9.173. USA-P02-099 (Seq#0306) (CWB-025)

DBL CWB-025 was adopted unanimously.

9.174. USA-P02-100 (Seq#0307)

OPEN.

9.175. USA-P02-101 (Seq#0308)

OPEN.

9.176. USA-P02-102 (Seq#0309)

OPEN.

9.177. USA-P02-103 (Seq#0310)

See DBL CWB-037R2 in agenda item 9.552.

9.178. USA-P02-104 (Seq#0311)

See DBL CWB-037R2 in agenda item 9.552.

9.179. CAN-P02-030 (Seq#0312)

See DBL CWB-127 in agenda item 9.148.

9.180. DEU-P02-002 (Seq#0313) (see comment)

Adopted unanimously. Note that this solution is also part of DBL CWB-025.

9.181. GBR-P02-069 (Seq#0314)

OPEN.

9.182. GBR-P02-070 (Seq#0315) (see comment)

See DBL CWB-037R2 in agenda item 9.552.

9.183. USA-P02-105 (Seq#0316)

OPEN.

9.184. USA-P02-106 (Seq#0317) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.185. GBR-P02-072 (Seq#0318)

DBL CWB-143R1 was tabled to resolve a set of ballot comments that relate to the use of MULTISSET in <iterative routine>. DBL CWB-143R1 was adopted unanimously. Adoption of DBL CWB-143R1 resolved the following ballot comments:

- 1) USA-P02-037 (Seq#0911) (request to defer <iterative routine> to SQL4)
- 2) GBR-P02-072 (Seq#0318) (refers to 6.12 <set function specification> SR 14)b))
- 3) GBR-P02-074 (Seq#0320) (refers to 6.12 <set function specification> SR 14)
- 4) GBR-P02-326 (Seq#0910) (refers to 12.5 <iterative routine> SR 5))
- 5) USA-P02-266 (Seq#0830) (refers to problems in <iterative routine>)
- 6) NLD-P02-167 (Seq#1162) (Possible Problem 531 which refers to iterative routines)

DBL BBN-027

9.186. GBR-P02-074 (Seq#0320)

See DBL CWB-143R1 in agenda item 9.185.

9.187. USA-P02-107 (Seq#0321)

OPEN.

9.188. USA-P02-108 (Seq#0322) (see comment)

Adopted unanimously.

9.189. CAN-P02-031 (Seq#0323)

DBL CWB-132 was tabled to handle the following ballot comments:

- a) Seq#0323 CAN-P02-031
- b) Seq#0414 NLD-P02-017
- c) Seq#0662 CAN-P02-073

Adopted unanimously. The problem identified in Seq#0323 will be made a new Language Opportunity.

9.190. CAN-P02-032 (Seq#0324)

OPEN.

9.191. CAN-P02-033 (Seq#0325)

OPEN.

9.192. CAN-P02-034 (Seq#0326) (see comment)

Amended as follows:

- a) replace the proposed new rule 13)a) with "DT shall be a numeric or interval type."

Adopted unanimously as amended.

9.193. GBR-P02-075 (Seq#0327)

OPEN.

9.194. GBR-P02-076 (Seq#0328) (see comment)

Amended as follows:

- a) Replace the existing CR7) with "No column reference contained in a <set function specification> SFS1 shall reference a column derived from a <value expression> that generally contains a <set function specification> SFS2 without an intervening <routine invocation>."

Adopted unanimously as amended.

9.195. GBR-P02-077 (Seq#0329) (see comment)

Adopted the second alternative unanimously.

9.196. USA-P02-109 (Seq#0330)

OPEN.

9.197. USA-P02-110 (Seq#0331)

OPEN.

9.198. GBR-P02-073 (Seq#0332)

OPEN.

9.199. CAN-P02-035 (Seq#0333) (see comment)

Adopted unanimously.

9.200. CAN-P02-036 (Seq#0334) (see comment)

Adopted editorially by the Editor.

9.201. GBR-P02-078 (Seq#0335)

OPEN.

9.202. CAN-P02-037 (Seq#0338) (see comment)

Adopted unanimously.

9.203. CAN-P02-038 (Seq#0339) (see comment)

Adopted unanimously.

9.204. GBR-P02-079 (Seq#0340) (see comment)

Amended as follows:

a) replace the solution with replacing GR 11)b) “Let SO be the value of <trim octet>.”

Adopted unanimously as amended.

9.205. GBR-P02-080 (Seq#0341)

OPEN.

9.206. GBR-P02-081 (Seq#0342) (see comment)

Adopted unanimously.

9.207. USA-P02-114 (Seq#0344)

OPEN.

9.208. USA-P02-115 (Seq#0345)

OPEN.

9.209. GBR-P02-082 (Seq#0346)

OPEN.

9.210. NLD-P02-012 (Seq#0347)

DBL CWB-141 was tabled to resolve various Possible Problems in the base documents. DBL CWB-141 was adopted unanimously. Adoption of this paper resolved the following ballot comments:

- a) Seq#0347 NLD-P02-012
- b) Seq#0366 NLD-P02-013
- c) Seq#0367 NLD-P02-014
- d) Seq#0511 NLD-P02-021
- e) Seq#0655 NLD-P02-024
- f) Seq#0690 NLD-P02-028
- g) Seq#0772 NLD-P02-033
- h) Seq#0829 NLD-P02-039
- i) Seq#0898 NLD-P02-043
- j) Seq#0921 NLD-P02-045

9.211. USA-P02-116 (Seq#0348)

DBL CWB-110 was tabled to handle USA-P02-116.

DBL BBN-027

DBL CWB-110 was amended as follows:

a) in section 2.1.4, GR 12+)b): change “if any” to “possibly empty”.

DBL CWB-110 was adopted unanimously as amended. The adoption of DBL CWB-110 resolved the following ballot comments:

USA-P02-116 (Seq#0348)

CAN-P02-039 (Seq#0352)

USA-P02-125 (Seq#0359)

9.212. USA-P02-117 (Seq#0349)

OPEN.

9.213. USA-P02-118 (Seq#0350)

OPEN.

9.214. USA-P02-119 (Seq#0351)

OPEN.

9.215. CAN-P02-039 (Seq#0352)

See agenda item 9.211.

9.216. GBR-P02-083 (Seq#0353) (see comment)

Adopted editorially by the Editor.

9.217. USA-P02-120 (Seq#0354) (see comment)

USA withdrew the ballot comment since it was felt that the SR in <cast expression> was needed.

Resolved with no action.

9.218. USA-P02-121 (Seq#0355) (see comment)

Adopted unanimously.

9.219. USA-P02-122 (Seq#0356) (see comment)

Adopted unanimously.

9.220. USA-P02-123 (Seq#0357)

OPEN.

9.221. USA-P02-124 (Seq#0358)

Adopted editorially by the Editor.

9.222. USA-P02-125 (Seq#0359)

See agenda item 9.211.

9.223. USA-P02-126 (Seq#0360)

OPEN.

9.224. USA-P02-127 (Seq#0361) (see comment)

Adopted unanimously.

9.225. USA-P02-128 (Seq#0362)

OPEN.

9.226. USA-P02-129 (Seq#0364)

DBL CWB-107 was tabled to resolve USA-P02-129 and USA-P02-130. DBL CWB-107 was adopted unanimously.

It was noted that this paper touches the same section as modified by DBL CWB-113.

9.227. USA-P02-130 (Seq#0365)

See agenda item 9.226.

9.228. NLD-P02-013 (Seq#0366)

See DBL CWB-141 in agenda item 9.210.

9.229. NLD-P02-014 (Seq#0367)

See DBL CWB-141 in agenda item 9.210.

9.230. CAN-P02-040 (Seq#0368) (see comment)

Adopted unanimously.

9.231. GBR-P02-085 (Seq#0369)

OPEN.

9.232. USA-P02-131 (Seq#0370)

OPEN.

9.233. USA-P02-132 (Seq#0371) (see comment)

Amended as follows:

a) the second change means that the <interval primary> rule should be copied to SQL/Bindings before making the stated change.

Adopted unanimously as amended.

9.234. GBR-P02-086 (Seq#0372)

OPEN.

9.235. USA-P02-133 (Seq#0373) (see comment)

See agenda item 9.28.

9.236. GBR-P02-087 (Seq#0374) (see comment)

Adopted unanimously.

9.237. USA-P02-134 (Seq#0375) (see comment)

Amended as follows:

a) add a new SR n+1) “The data type of the <array value expression> is the data type of the immediately contained <array value constructor>, <array value function>, or <value expression primary>, respectively.”

This amendment solves USA-P02-135 (Seq#0376).

Adopted unanimously as amended. This resolves Seq#0375 and Seq#0376.

9.238. USA-P02-135 (Seq#0376)

See agenda item 9.237.

DBL BBN-027

**9.239. GBR-P02-088 (Seq#0377)
GBR-P02-089 (Seq#0380) (CWB-034)**

DBL CWB-034 was amended as follows:

- a) section 2.2, in the Format remove the EMPTY alternative from <empty specification> and the following “[”;
- b) in SQL/Foundation remove references to EMPTY from the list <reserved word>s and SQL92 incompatibilities.
- c) section 2.4, point 4, add an “[” in front of <contextually type value specification> in the production for <contextually type row value constructor element>
- d) section 2.8, point 1: after the proposed “[” add “[<left paren> <insert column list> <right paren>] <query expression>”

DBL CWB-034 was adopted unanimously as amended. The adoption of DBL CWB-034 resolved the following ballot comments:

GBR-P02-088 (Seq#0377)

GBR-P02-089 (Seq#0380)

CAN-P02-041 (Seq#0379)

9.240. FRA-P02-006 (Seq#0378)

OPEN.

9.241. CAN-P02-041 (Seq#0379)

Resolved by DBL CWB-034 (see agenda item 9.239).

9.242. GBR-P02-090 (Seq#0381) (see comment)

Adopted unanimously.

9.243. GBR-P02-091 (Seq#0382)

Resolved by the solution to GBR-P02-091 (see agenda item 9.249).

9.244. USA-P02-136 (Seq#0383)

OPEN.

9.245. USA-P02-137 (Seq#0384)

OPEN.

9.246. GBR-P02-092 (Seq#0385) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.247. NLD-P02-015 (Seq#0386)

See DBL CWB-104 in agenda item 9.250.

9.248. CAN-P02-042 (Seq#0387)

OPEN.

9.249. GBR-P02-093 (Seq#0388) (see comment)

Amended as follows:

- a) replace the proposed change with a change to subclause 7.2 <row value expression> to replace CR 1) “Conforming SQL Core language shall not contain any <row value expression> that immediately contains <value specification> or <row reference>.”

Adopted unanimously as amended.

9.250. USA-P02-138 (Seq#0389)

DBL CWB-104 was adopted unanimously. Adoption of DBL CWB-104 resolved the following ballot comments:

- a) Seq#0385 GBR-P02-092
- b) Seq#0390 GBR-P02-094
- c) Seq#0391 GBR-P02-095
- d) Seq#0393 GBR-P02-097
- e) Seq#0674 GBR-P02-229
- f) Seq#0427 GBR-P02-116
- g) Seq#0389 USA-P02-138
- h) Seq#0386 NLD-P02-015
- i) Seq#1068 CAN-P02-121

9.251. GBR-P02-094 (Seq#0390) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.252. GBR-P02-095 (Seq#0391) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.253. GBR-P02-096 (Seq#0392)

OPEN.

9.254. GBR-P02-097 (Seq#0393) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.255. USA-P02-139 (Seq#0394)

OPEN.

9.256. GBR-P02-098 (Seq#0395) (see comment)

Amended as follows:

- a) change “simply” to “immediately” in SR 7) and 8).

Adopted unanimously as amended.

9.257. GBR-P02-099 (Seq#0396) (see comment)

Comment was resolved with no action required.

9.258. GBR-P02-100 (Seq#0397) (see comment)

Amended as follows:

- a) append to the end of CR 1) “without an intervening <routine invocation>”.
- b) change CR 1) to replace “include” with “contain”.

Adopted unanimously as amended.

9.259. GBR-P02-105 (Seq#0399)

OPEN.

9.260. GBR-P02-106 (Seq#0400)

OPEN.

9.261. GBR-P02-107 (Seq#0401) (see comment)

Adopted unanimously.

DBL BBN-027

9.262. GBR-P02-108 (Seq#0402)

OPEN.

9.263. USA-P02-140 (Seq#0403)

OPEN.

9.264. CAN-P02-043 (Seq#0408) (see comment)

Adopted unanimously. Note that though the rationale in the comment is not really correct, the solution is okay.

9.265. GBR-P02-109 (Seq#0409) (see comment)

Adopted unanimously.

9.266. USA-P02-142 (Seq#0410)

USA-P02-143 (Seq#0411) (CWB-046)

DBL CWB-046 was adopted unanimously.

9.267. DEU-P02-004 (Seq#0412)

USA-P02-144 (Seq#0415)

GBR-P02-242 (Seq#0696) (CWB-075)

DBL CWB-140 was tabled as instructions on how to action the material in DBL CWB-073, DBL CWB-074 and DBL CWB-075. In addition DBL CWB-140 contains new material over and above the original material in DBL CWB-073, DBL CWB-074 and DBL CWB-075.

DBL CWB-140 was amended as follows:

a) in section 2.3 item 2: to carry out this instruction do not adopt the first paragraph of DBL CWB-075 proposal 3.3 GR 15)d)ii)8) and rewrite the second paragraph to not use the now undefined term UUT.

Adoption of DBL CWB-140 and the indicated parts of DBL CWB-073, DBL CWB-074, DBL CWB-075 resolved the following ballot comments:

- a) Seq#0412 DEU-P02-004
- b) Seq#0415 USA-P02-114
- c) Seq#0430 DEU-P02-005
- d) Seq#0432 USS-P02-149
- e) Seq#0696 GBR-P02-242
- f) Seq#0960 USA-P02-333
- g) Seq#0961 NLD-P02-053
- h) Seq#0965 DEU-P02-013
- i) Seq#0978 DEU-P02-054
- j) Seq#1008 NLD-P02-065

- 9.268. NLD-P02-016 (Seq#0413)
- DEU-P02-005 (Seq#0430)
- USA-P02-149 (Seq#0432)
- NLD-P02-049 (Seq#0951)
- NLD-P02-051 (Seq#0953)
- NLD-P02-052 (Seq#0954)
- DEU-P02-010 (Seq#0957)
- USA-P02-333 (Seq#0960)
- NLD-P02-053 (Seq#0961)
- DEU-P02-013 (Seq#0965)
- CAN-P02-108 (Seq#0973)
- NLD-P02-065 (Seq#1008) (CWB-074)

See DBL CWB-140 in agenda item 9.267.

Note that Seq#0951, Seq#0953, Seq#0954, Seq#0957 and Seq#0973 were resolved by DBL CWB-37R2 in agenda item 9.552.

9.269. NLD-P02-017 (Seq#0414)

See DBL CWB-132 in agenda item 9.189.

9.270. USA-P02-145 (Seq#0416)

OPEN.

9.271. USA-P02-146 (Seq#0417)

OPEN.

9.272. CAN-P02-044 (Seq#0418)

OPEN.

9.273. CAN-P02-045 (Seq#0419)

OPEN.

9.274. GBR-P02-112 (Seq#0420)

OPEN.

9.275. GBR-P02-113 (Seq#0421) (see comment)

Adopted unanimously.

9.276. GBR-P02-114 (Seq#0422) (see comment)

Adopted editorially by the Editor.

9.277. USA-P02-147 (Seq#0423) (see comment)

Adopted unanimously.

9.278. GBR-P02-110 (Seq#0424) (see comment)

Adopted editorially by the Editor.

9.279. GBR-P02-111 (Seq#0425) (see comment)

Ballot comment was withdrawn. No action required.

9.280. GBR-P02-115 (Seq#0426)

OPEN.

DBL BBN-027

9.281. GBR-P02-116 (Seq#0427)

See DBL CWB-104 in agenda item 9.150.

9.282. GBR-P02-117 (Seq#0428)

OPEN.

9.283. FRA-P02-007 (Seq#0429)

OPEN.

9.284. USA-P02-148 (Seq#0431) (see comment)

Adopted unanimously.

9.285. DEU-P02-006 (Seq#0433) (see comment)

Adopted editorially by the Editor.

9.286. GBR-P02-118 (Seq#0434)

Adopted unanimously by the Editor.

9.287. GBR-P02-119 (Seq#0435)

OPEN.

9.288. USA-P02-150 (Seq#0436)

OPEN.

9.289. GBR-P02-120 (Seq#0437) (see comment)

Amended as follows:

a) Instead of the proposed Solution, modify Subclause 7.13, "<subquery>", CR2) by replacing "then the <select list> of the" with "then the <select list> of every".

Adopted unanimously as amended.

9.290. GBR-P02-121 (Seq#0438) (see comment)

Adopted unanimously.

9.291. USA-P02-151 (Seq#0439) (see comment)

See agenda item DBL CWB-106R2 in agenda item 9.292.

9.292. USA-P02-152 (Seq#0440) (see comment)

Jim Melton wrote DBL CWB-106R2 to fix the General Rules in <comparison predicate>. DBL CWB-106R2 was amended as follows:

- a) in Section 2.1.10, move the proposed SR to be SR 2)
- b) in Section 2.1.7, change "Rx and Ry" to "Xi and Yi"

DBL CWB-106R1 was adopted unanimously as amended. Adoption of DBL CWB-106R1 resolved the following ballot comments:

- 1) USA-P02-151 (Seq#0439) (this paper overrides the previous solution)
- 2) USA-P02-152 (Seq#0440)
- 3) USA-P02-154 (Seq#0442) (this paper overrides the previous solution)
- 4) USA-P02-156 (Seq#0444)
- 5) USA-P02-158 (Seq#0446) (this paper overrides the previous solution)

9.293. USA-P02-153 (Seq#0441)

See DBL CWB-106R2 in agenda item 9.292 and DBL CWB-128 in agenda item 9.32.

9.294. USA-P02-155 (Seq#0443)

See DBL CWB-106R2 in agenda item 9.292 and DBL CWB-128 in agenda item 9.32.

9.295. USA-P02-156 (Seq#0444) (see comment)

See DBL CWB-106R2 in agenda item 9.292.

9.296. USA-P02-157 (Seq#0445)

See DBL CWB-106R2 in agenda item 9.292 and DBL CWB-128 in agenda item 9.32.

9.297. USA-P02-158 (Seq#0446) (see comment)

See DBL CWB-106R2 in agenda item 9.292.

9.298. USA-P02-160 (Seq#0447)

OPEN.

9.299. USA-P02-159 (Seq#0448)

OPEN.

9.300. GBR-P02-122 (Seq#0449) (see comment)

Amended as follows:

a) Add a new SQLSTATE subclass code in Table 26, "SQLSTATE class and subclass values" within "data exception" for "invalid escape octet" and in Subclause 12.4, "Call to an <externally-invoked procedure>", SR1)c), add the Ada symbol for this new subclass code.

Adopted unanimously as amended.

9.301. USA-P02-162 (Seq#0451) (see comment)

Amended as follows:

a) In Subclause 8.5, "<like predicate>": In SR3)a), delete "the result of" three times; reword SR3)b) to add a second sentence that reads: "MC NOT LIKE PC ESCAPE EC" is equivalent to "NOT (MC LIKE PC ESCAPE EC)"; do the equivalent to SR4); insert a new GR0) that says: Let MCV be the value of MC, let PCV be the value of PC, and if EC is specified, then let ECV be its value; duplicate for MB, PB, and EB; revise the other GRs to use xxV instead of xx. Except in Syntax.

Adopted as amended.

9.302. USA-P02-163 (Seq#0452) (see comment)

Amended as follows:

a) delete GR 1)d) and 2)f).

Adopted unanimously as amended.

9.303. GBR-P02-123 (Seq#0453)

OPEN.

9.304. GBR-P02-125 (Seq#0454)

Resolved by DBL CWB-111 (see agenda item 9.19).

9.305. NLD-P02-018 (Seq#0455)

Resolved by DBL CWB-111 (see agenda item 9.19).

9.306. NLD-P02-019 (Seq#0456)

Resolved by DBL CWB-111 (see agenda item 9.19).

9.307. USA-P02-164 (Seq#0457)

Resolved by DBL CWB-111 (see agenda item 9.19).

9.308. GBR-P02-124 (Seq#0458)

Resolved by DBL CWB-111 (see agenda item 9.19).

9.309. GBR-P02-128 (Seq#0461)

OPEN.

9.310. GBR-P02-129 (Seq#0462)

OPEN.

9.311. GBR-P02-130 (Seq#0463)

OPEN.

9.312. USA-P02-165 (Seq#0464) (see comment)

Amended as follows:

a) add SIMPLE to the list of non-reserved words.

b) in 11.10 <referential constraint definition> add SIMPE as an alternative to <match type> and make SIMPLE the default .

Adopted unanimously as amended.

9.313. GBR-P02-133 (Seq#0467)

OPEN.

9.314. GBR-P02-134 (Seq#0468) (see comment)

Amended as follow:

a) Instead of the proposed Solution, in GR3)b) insert "iii) Case:" and promote the existing 3)b)iii), 3)b)iv), 3)b)v) and 3)b)vi) to become 3)b)iii)1), 3)b)iii)2), 3)b)iii)3), and 3)b)iii)4) below that new Case; copy the revised GR3)b) to become a new GR3)b', revise the new GR3)b)' to cover ARRAY instead of LIST, mark the existing GR3)a) and GR3)b) as SQL4-only.

b) Delete SR 4).

Adopted unanimously as amended.

9.315. USA-P02-166 (Seq#0469)

Resolved by the solution to GBR-P02-134 (see agenda item 9.314).

9.316. GBR-P02-135 (Seq#0470) (see also comment)

USA-P02-167 (Seq#0471)

USA-P02-168 (Seq#0472)

USA-P02-169 (Seq#0473)

GBR-P02-137 (Seq#0474)

GBR-P02-138 (Seq#0475) (CWB-083)

DBL CWB-083 was adopted unanimously. This paper resolved all of the noted ballot comments. In addition it resolved GBR-P02-136 (see agenda item 7.42).

9.317. USA-P02-170 (Seq#0477)

OPEN.

9.318. NLD-P02-020 (Seq#0478)

See DBL CWB-108R1 and agenda item 9.319.

9.319. USA-P02-171 (Seq#0479)

DBL CWB-108R1 was adopted unanimously. Adoption of DBL CWB-108R1 resolved the following ballot comments:

- 1) Seq#478 (NLD-P02-020)
- 2) Seq#479 (USA-P02-171)
- 3) Seq#480 (USA-P02-172)
- 4) Seq#481 (USA-P02-173)
- 5) Seq#482 (GBR-P02-142) (same action as was carried out by the Editor)
- 6) Seq#483 (GBR-P02-143)
- 7) Seq#484 (GBR-P02-144)
- 8) Seq#485 (USA-P02-174)
- 9) Seq#486 (USA-P02-175)
- 10) Seq#488 (GBR-P02-139)
- 11) Seq#489 (GBR-P02-140)
- 12) Seq#490 (GBR-P02-141)
- 13) Seq#491 (USA-P02-177)
- 14) Seq#492 (USA-P02-178)
- 15) Seq#493 (USA-P02-179)
- 16) Seq#494 (USA-P02-180)
- 17) Seq#495 (GBR-P02-146)
- 18) Seq#496 (GBR-P02-147)
- 19) Seq#497 (GBR-P02-148)
- 20) Seq#498 (GBR-P02-149)

Canada proposed to resolve Seq#487 and Seq#499 with no change to the base documents i.e. do not change the names of the subclauses.

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

Motion passed (5-1-0).

9.320. USA-P02-172 (Seq#0480)

See DBL CWB-108R1 and agenda item 9.319.

9.321. USA-P02-173 (Seq#0481)

See DBL CWB-108R1 and agenda item 9.319.

9.322. GBR-P02-142 (Seq#0482) (see comment)

Adopted editorially by the Editor. See also DBL CWB-108R1 and agenda item 9.319.

9.323. GBR-P02-143 (Seq#0483) (see comment)

See DBL CWB-108R1 and agenda item 9.319.

9.324. GBR-P02-144 (Seq#0484)

See DBL CWB-108R1 and agenda item 9.319.

9.325. USA-P02-174 (Seq#0485) (see comment)

See DBL CWB-108R1 and agenda item 9.319.

9.326. USA-P02-175 (Seq#0486)

See DBL CWB-108R1 and agenda item 9.319.

DBL BBN-027

9.327. USA-P02-176 (Seq#0487)

Canada moved to close this comment and USA-P02-181 (Seq#499) (agenda item 9.339):

For: Canada, Germany, Japan, Netherlands, UK
Against: USA

Motion passed (5-1-0)

9.328. GBR-P02-139 (Seq#0488) (see comment)

See DBL CWB-108R1 and agenda item 9.319.

9.329. GBR-P02-140 (Seq#0489) (see comment)

See DBL CWB-108R1 and agenda item 9.319.

9.330. GBR-P02-141 (Seq#0490)

See DBL CWB-108R1 and agenda item 9.319.

9.331. USA-P02-177 (Seq#0491)

See DBL CWB-108R1 and agenda item 9.319.

9.332. USA-P02-178 (Seq#0492)

See DBL CWB-108R1 and agenda item 9.319.

9.333. USA-P02-179 (Seq#0493)

See DBL CWB-108R1 and agenda item 9.319.

9.334. USA-P02-180 (Seq#0494)

See DBL CWB-108R1 and agenda item 9.319.

9.335. GBR-P02-146 (Seq#0495)

See DBL CWB-108R1 and agenda item 9.319.

9.336. GBR-P02-147 (Seq#0496)

See DBL CWB-108R1 and agenda item 9.319.

9.337. GBR-P02-148 (Seq#0497)

See DBL CWB-108R1 and agenda item 9.319.

9.338. GBR-P02-149 (Seq#0498)

See DBL CWB-108R1 and agenda item 9.319.

9.339. USA-P02-181 (Seq#0499)

See agenda item 9.327.

9.340. USA-P02-182 (Seq#0501)

OPEN.

9.341. USA-P02-183 (Seq#0502)

GBR-P02-151 (Seq#0504) (CWB-042)

DBL CWB-042 was adopted without objection. The adoption of DBL CWB-042 resolved the following ballot comments:

USA-P02-183 (Seq#0502)

GBR-P02-151 (Seq#0504)

9.342. CAN-P02-046 (Seq#0503)

OPEN.

9.343. GBR-P02-154 (Seq#0505)

OPEN.

9.344. USA-P02-184 (Seq#0506)

OPEN.

9.345. GBR-P02-150 (Seq#0509)

OPEN.

9.346. GBR-P02-155 (Seq#0510)

OPEN.

9.347. NLD-P02-021 (Seq#0511)

See DBL CWB-141 in agenda item 9.210.

9.348. GBR-P02-156 (Seq#0512) (see comment)

Adopted unanimously.

9.349. USA-P02-185 (Seq#0513)

OPEN.

9.350. USA-P02-186 (Seq#0514)

OPEN.

9.351. USA-P02-188 (Seq#0516)

OPEN.

9.352. CAN-P02-048 (Seq#0517)

OPEN.

9.353. CAN-P02-047 (Seq#0518)

OPEN.

9.354. GBR-P02-157 (Seq#0519)

OPEN.

9.355. GBR-P02-158 (Seq#0520)

OPEN.

9.356. NLD-P02-022 (Seq#0521)

See agenda item 9.366.

9.357. USA-P02-190 (Seq#0523)

See agenda item DBL CWB-126R1 in agenda item 9.32.

9.358. USA-P02-191 (Seq#0524)

OPEN.

9.359. CAN-P02-049 (Seq#0525)

OPEN.

9.360. CAN-P02-050 (Seq#0526)

Resolved by DBL CWB-100 (see agenda item 9.86).

9.361. CAN-P02-051 (Seq#0527)

OPEN.

9.362. GBR-P02-162 (Seq#0528)

See DBL CWB-126R1 in agenda item 9.32.

9.363. GBR-P02-163 (Seq#0529) (see comment)

The quoted rule was deleted by DBL CWB-048. Resolved with not action required.

9.364. GBR-P02-164 (Seq#0530) (see comment)

The quoted rule was deleted by DBL CWB-048. Resolved with not action required.

9.365. GBR-P02-165 (Seq#0531)

OPEN.

9.366. USA-P02-192 (Seq#0532) (see comment)

Amended as follows:

a) the two rules to be inserted are to be Syntax Rules not General Rules. The subrule numbers are correct.

Adopted unanimously as amended. This action also resolved ballot comment NLD-P02-022 (Seq#0521).

9.367. GBR-P02-161 (Seq#0533)

OPEN.

**9.368. USA-P02-193 (Seq#0534)
USA-P02-276 (Seq#0845) (CWB-050)**

DBL CWB-050 was amended as follows:

a) part 1.2.1, proposed rule 6): change “the <value expression>” to “each <value expression>”.

DBL CWB-050 was adopted unanimously as amended. The adoption of DBL CWB-050 resolved the following ballot comments:

USA-P02-193 (Seq#0534)

USA-P02-276 (Seq#0845)

9.369. USA-P02-194 (Seq#0535) (see comment)

This ballot comment was resolved by DBL CWB-048 (see agenda item 9.82)

9.370. CAN-P02-052 (Seq#0549)

OPEN.

9.371. GBR-P02-169 (Seq#0550) (see comment)

Solution was replaced as follows:

a) In SR4, “<user-defined type name>” with “<user-defined type name> or <table name>”

9.372. GBR-P02-170 (Seq#0551)

See DBL CWB-019R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.373. USA-P02-195 (Seq#0552) (see comment)

The solution in this paper was not adopted but instead the solution in GBR-P02-173 (Seq#563) (see agenda item 7.60) was adopted editorially by the Editor.

9.374. GBR-P02-171 (Seq#0553) (see comment)

Adopted unanimously.

9.375. GBR-P02-172 (Seq#0554)

See DBL CWB-145R1 in agenda item 9.836.

9.376. USA-P02-196 (Seq#0555) (see comment)

Adopted unanimously.

9.377. USA-P02-197 (Seq#0556)

Solved the actions of the Editor in applying the solution in GBR-P02-173 (Seq#563) (see agenda item 7.60).

9.378. USA-P02-198 (Seq#0557) (see comment)

Adopted editorially by the Editor.

9.379. USA-P02-199 (Seq#0558)

Adopted editorially by the Editor.

9.380. USA-P02-200 (Seq#0559) (see comment)

For: USA, Germany
Against: Canada, Netherlands, UK
Abstain: Brazil

Failed (2-3-1). Resolved with no action required.

9.381. GBR-P02-166 (Seq#0560) (see comment)

Adopted unanimously.

9.382. GBR-P02-167 (Seq#0561) (see comment)

Adopted unanimously.

9.383. CAN-P02-053 (Seq#0565) (see comment)

Adopted unanimously.

9.384. GBR-P02-174 (Seq#0566) (see comment)

Adopted unanimously. This contains the same solution as in agenda item 9.383.

9.385. GBR-P02-175 (Seq#0567) (see comment)

Adopted editorially by the Editor.

9.386. JPN-P02-002 (Seq#0568)

Resolved by DBL CWB-051. See agenda item 8.22.

9.387. JPN-P02-003 (Seq#0569)

Resolved by DBL CWB-051. See agenda item 8.22.

9.388. NLD-P02-023 (Seq#0570)

Resolved by DBL CWB-051. See agenda item 8.22.

9.389. USA-P02-202 (Seq#0571)

Adopted editorially by the Editor.

9.390. GBR-P02-176 (Seq#0573) (see comment)

Amended as follows:

a) Replace SR 1) with: “1) If a <specific name> SN is specified, then the <specific routine designator> shall identify an identifies the SQL-invoked routine whose <specific name> is SN.”

Adopted unanimously as amended.

9.391. CAN-P02-054 (Seq#0578)

OPEN.

9.392. USA-P02-204 (Seq#0579)

OPEN.

9.393. JPN-P02-009 (Seq#0580)

OPEN.

9.394. CAN-P02-055 (Seq#0581) (see comment)

See agenda item 9.395.

9.395. GBR-P02-181 (Seq#0582)

DBL CWB-105 was tabled to handle GBR-P02-181 (Seq#0582).

Amended as follows:

a) delete all occurrences of “the behaviour specified by” (3 times),
b) in the proposed GR 4)b) delete the subscript from “Tsk”

Adopted unanimously. The adoption of DBL CWB-105 resolved the following ballot comments:

CAN-P02-055 (Seq#0581)

GBR-P02-181 (Seq#0582)

9.396. CAN-P02-056 (Seq#0583)

OPEN.

9.397. CAN-P02-057 (Seq#0584)

OPEN.

9.398. CAN-P02-058 (Seq#0585)

Resolved by DBL CWB-051 (see agenda item 8.22).

9.399. CAN-P02-059 (Seq#0586)

OPEN.

9.400. USA-P02-205 (Seq#0587)

OPEN.

9.401. GBR-P02-203 (Seq#0588) (see comment)

UK withdrew the solution in this ballot comment. OPEN.

9.402. GBR-P02-183 (Seq#0589)

OPEN.

9.403. CAN-P02-060 (Seq#0592)

OPEN,

9.404. GBR-P02-185 (Seq#0593) (see comment)

Adopted unanimously.

9.405. GBR-P02-187 (Seq#0594) (see comment)

Adopted unanimously.

9.406. USA-P02-206 (Seq#0596)

OPEN.

9.407. USA-P02-207 (Seq#0597)

OPEN.

9.408. FRA-P02-009 (Seq#0598)

See agenda item DBL CWB-037R2 in agenda 9.552.

9.409. GBR-P02-190 (Seq#0599)

OPEN.

9.410. GBR-P02-196 (Seq#0600)

See agenda item DBL CWB-035R1 in agenda item 9.411.

9.411. USA-P02-208 (Seq#0601)

GBR-P02-192 (Seq#0610)

GBR-P02-198 (Seq#0615) (CWB-035)

DBL CWB-035R1 was adopted unanimously. Adoption of DBL CWB-035R1 resolved the following ballot comments:

- a) Seq#0600 GBR-P02-196
- b) Seq#0601 USA-P02-208
- c) Seq#0610 GBR-P02-192
- d) Seq#0615 GBR-P02-198
- e) Seq#0606 GBR-P02-064

Hugh Darwen noted that DBL CWB-035R1 overrides the second part of the solution in Seq#613 GBR-P02-195.

9.412. USA-P02-209 (Seq#0602)

OPEN.

9.413. CAN-P02-061 (Seq#0603)

See DBL CWB-037R2 in agenda item 9.552.

9.414. CAN-P02-062 (Seq#0604) (see comment)

Adopted unanimously.

9.415. CAN-P02-063 (Seq#0605) (see comment)

Adopted editorially by the Editor.

9.416. CAN-P02-064 (Seq#0606) (see comment)

See DBL CWB-035R1 in agenda item 9.411.

9.417. CAN-P02-065 (Seq#0607)

DBL CWB-144 was amended as follows:

- a) change all occurrences of TABLE_TABLE to TABLE_NAME, and SUPERTABLE_TABLE to SUPERTABLE_NAME,
- b) item b) is withdrawn,
- c) change the name of view and base table to drop the word RELATIONSHIPS
- d) reverse the order of the columns of the WHERE in the in DIRECT_SUPERTABLE_RELATIONSHIPS_CHECK_NO_CIRCULARITY so that they are in the order catalog, schema, name
- e) item a) Description 1) change “unqualified name” to “unqualified schema name”
- f) change “D1_” to “D1.” in two places

DBL CWB-144 was adopted as amended.

9.418. CAN-P02-066 (Seq#0608)

Adopted editorially by the Editor.

9.419. CAN-P02-067 (Seq#0609)

OPEN.

9.420. GBR-P02-193 (Seq#0611)

OPEN.

9.421. GBR-P02-194 (Seq#0612)

See DBL CWB-037R2 in agenda item 9.552.

9.422. GBR-P02-195 (Seq#0613) (see comment)

Adopted unanimously.

9.423. GBR-P02-197 (Seq#0614)

OPEN.

9.424. GBR-P02-199 (Seq#0616)

OPEN.

9.425. GBR-P02-200 (Seq#0617) (see comment)

Adopted editorially by the Editor.

9.426. GBR-P02-202 (Seq#0618) (see comment)

Adopted editorially by the Editor.

9.427. USA-P02-210 (Seq#0619)

OPEN.

9.428. GBR-P02-201 (Seq#0624) (see comment)

Rejected editorially by the Editor. This comment was resolved with no action required.

9.429. FRA-P02-008 (Seq#0625)

See agenda item 9.66.

9.430. GBR-P02-205 (Seq#0626) (see comment)

Amended as follows:

a) change throughout SR 9) replace “a <table constraint definition> that contains the following <table constraint>” with “the following <table constraint definition>”.

Adopted unanimously as amended.

9.431. CAN-P02-068 (Seq#0627) (see comment)

The changes to SR 6) and SR 7) were adopted unanimously. The proposed change to SR 8) was withdrawn.

9.432. GBR-P02-204 (Seq#0628)

Resolved by changes proposed in CAN-P02-068. See agenda item 9.431.

9.433. GBR-P02-206 (Seq#0629)

DBL CWB-116 was tabled to resolve GBR-P02-206, GBR-P02-213 and GBR-P02-218. Adopted unanimously.

9.434. GBR-P02-208 (Seq#0631) (see comment)

Adopted unanimously.

9.435. GBR-P02-209 (Seq#0632) (see comment)

Adopted editorially by the Editor.

9.436. GBR-P02-210 (Seq#0633)

OPEN.

9.437. USA-P02-212 (Seq#0634)

Resolved by changes proposed in CAN-P02-068. See agenda item 9.431.

9.438. USA-P02-215 (Seq#0637)

OPEN.

9.439. USA-P02-216 (Seq#0638)

OPEN.

9.440. CAN-P02-069 (Seq#0639) (see comment)

Adopted editorially by the Editor.

9.441. CAN-P02-070 (Seq#0640) (see comment)

The offending SR's were deleted by DBL CWB-085 (agenda item 9.123). Comment resolved with no action.

9.442. CAN-P02-071 (Seq#0641)

OPEN.

9.443. GBR-P02-213 (Seq#0642)

DBL CWB-116 was tabled to resolve GBR-P02-206, GBR-P02-213 and GBR-P02-218. Adopted unanimously.

9.444. GBR-P02-214 (Seq#0643)

OPEN.

9.445. GBR-P02-215 (Seq#0644)

OPEN.

DBL BBN-027

9.446. GBR-P02-216 (Seq#0645) (see comment)

Adopted editorially by the Editor.

9.447. USA-P02-217 (Seq#0646) (see comment)

Adopted unanimously.

9.448. CAN-P02-072 (Seq#0650)

OPEN.

9.449. GBR-P02-218 (Seq#0651)

DBL CWB-116 was tabled to resolve GBR-P02-206, GBR-P02-213 and GBR-P02-218. Adopted unanimously.

9.450. USA-P02-219 (Seq#0652)

OPEN.

9.451. USA-P02-220 (Seq#0653)

OPEN.

9.452. NLD-P02-024 (Seq#0655)

See DBL CWB-141 in agenda item 9.210.

9.453. USA-P02-221 (Seq#0656)

OPEN.

9.454. GBR-P02-219 (Seq#0657)

Adopted editorially by the Editor.

9.455. GBR-P02-220 (Seq#0658)

OPEN.

9.456. GBR-P02-221 (Seq#0659)

OPEN.

9.457. NLD-P02-025 (Seq#0660)

OPEN.

9.458. GBR-P02-223 (Seq#0661)

OPEN.

9.459. CAN-P02-073 (Seq#0662)

See DBL CWB-132 in agenda item 9.189.

9.460. GBR-P02-222 (Seq#0663)

OPEN.

9.461. GBR-P02-224 (Seq#0664)

OPEN.

9.462. USA-P02-222 (Seq#0665) (see comment)

Adopted unanimously. Adoption of this change also partially resolved Seq#0667 GBR-P02-226.

9.463. GBR-P02-225 (Seq#0666)

OPEN.

9.464. GBR-P02-226 (Seq#0667)

Partially resolved in agenda item 9.462. The problem in SR 4) was not resolved.

Hugh Darwen determined that the solution to the problem in SR 4) determined that in order to fix this problem the following change was required:

a) Subclause 11.9 <unique constraint definition>, delete “UNIQUE (VALUE)” alternative and delete syntax rules 4) and 9).

Adopted unanimously.

9.465. CAN-P02-074 (Seq#0668)

The solution to change “*” to “TN” was adopted unanimously.

9.466. CAN-P02-075 (Seq#0669) (see comment)

Adopted editorially by the Editor.

9.467. CAN-P02-076 (Seq#0670) (see comment)

OPEN.

Action item 8: Paul Cotton and Nelson Mattos to research the solution in CAN-P02-076 (Seq#0670). See agenda item 9.467.

9.468. GBR-P02-227 (Seq#0671) (see comment)

Adopted editorially by the Editor.

9.469. GBR-P02-228 (Seq#0672)

OPEN.

9.470. GBR-P02-230 (Seq#0673) (see comment)

Hugh Darwen brought forward an alternative solution:

a) Subclause 11.13 <add column definition>, add a new syntax rule x):

x) If T is a type based table, then the <column definition> shall specify VALUES ARE SYSTEM GENERATED.

b) Subclause 11.17, <drop column definition>, add a new syntax rule y):

y) If T is a typed base table, then C shall be the referencable column of T.

Adopted unanimously.

9.471. GBR-P02-229 (Seq#0674) (see comment)

See DBL CWB-104 in agenda item 9.250.

9.472. NLD-P02-026 (Seq#0675)

OPEN.

9.473. USA-P02-223 (Seq#0676)

OPEN.

9.474. USA-P02-224 (Seq#0677)

OPEN.

9.475. GBR-P02-231 (Seq#0678) (CWB-041)

DBL CWB-041R1 was amended as follows:

- a) In proposal part 2.2, replace proposed new SR2) with: An impacted dereference operation is a <dereference operation> whose <value expression primary> is a column reference that identifies C, a <method reference> whose <value expression primary> is a column reference that identifies C, or a <reference resolution> whose <reference value expression> is a column reference that identifies C.
- b) In proposal part 2.2, the proposed GR1 has to be "cloned" in SQL/PSM; Nelson will give me this change separately. Add the following new Subclause to FCDPSM

xx <drop column scope clause>

Function

Drop the scope from an existing column of data type REF in a base table.

Format

No additional Format items.

Syntax Rules

- 1) <Insert after SR3)d) The module descriptor of any SQL-server module.

Access Rules

No additional Access Rules.

General Rules

- 1) <Replace GR1> Let R be any SQL-invoked routine whose routine descriptor includes a <SQL routine body> that contains an impacted dereference operation.

Case:

- a) If R is included in an SQL-server module M, then let MN be the <SQL-server module name> of M. The following <drop module statement> is effectively executed without further Access Rule checking:

DROP MODULE MN CASCADE

- b) Otherwise, let SN be the <specific name> of R. The following <drop routine statement> is effectively executed without further Access Rule checking:

DROP SPECIFIC ROUTINE SN CASCADE

- 2) <Insert after GR4> Let SSM be any SQL-server module whose module descriptor includes the an impacted dereference operation and let MN be the <SQL-server module name> of SSM. The following <drop module statement> is effectively executed without further Access Rule checking:

DROP MODULE MN CASCADE

DBL CWB-041R1 as amended was adopted unanimously.

9.476. GBR-P02-232 (Seq#0679)

OPEN.

9.477. USA-P02-227 (Seq#0682)

OPEN.

9.478. DEU-P02-007 (Seq#0683)

OPEN.

9.479. GBR-P02-233 (Seq#0684)

OPEN.

9.480. GBR-P02-234 (Seq#0685)

OPEN.

9.481. USA-P02-228 (Seq#0686)

OPEN.

9.482. GBR-P02-235 (Seq#0687) (CWB-071)

DBL CWB-071R1 was adopted unanimously.

9.483. DEU-P02-008 (Seq#0688) (CWB-073)

See DBL CWB-140 in agenda item 9.267.

9.484. NLD-P02-027 (Seq#0689)

OPEN.

9.485. NLD-P02-028 (Seq#0690)

See DBL CWB-141 in agenda item 9.210.

9.486. GBR-P02-236 (Seq#0691) (see comment)

OPEN.

Action item 9: Peter Pistor to determine the overlap of the solution in GBR-P02-236 (Seq#0691) with DBL CWB-073. See agenda item 9.486.

9.487. GBR-P02-237 (Seq#0692)

OPEN.

9.488. GBR-P02-238 (Seq#0693)

OPEN.

9.489. GBR-P02-239 (Seq#0694) (see comment)

Adopted unanimously.

9.490. GBR-P02-240 (Seq#0695)

OPEN.

9.491. GBR-P02-243 (Seq#0697)

OPEN.

9.492. GBR-P02-244 (Seq#0698)

OPEN.

DBL BBN-027

9.493. NLD-P02-029 (Seq#0699)

OPEN.

9.494. GBR-P02-245 (Seq#0701)

OPEN.

9.495. GBR-P02-246 (Seq#0702)

OPEN.

9.496. GBR-P02-247 (Seq#0703)

OPEN.

9.497. CAN-P02-077 (Seq#0704)

OPEN.

9.498. GBR-P02-248 (Seq#0705)

OPEN.

9.499. CAN-P02-079 (Seq#0708)

OPEN.

9.500. CAN-P02-080 (Seq#0709)

OPEN.

9.501. CAN-P02-081 (Seq#0710)

OPEN.

9.502. GBR-P02-250 (Seq#0711) (see comment)

Adopted editorially by the Editor.

9.503. GBR-P02-251 (Seq#0712)

OPEN.

9.504. GBR-P02-252 (Seq#0713)

OPEN.

9.505. CAN-P02-082 (Seq#0717)

Resolved by DBL CWB-051. See agenda item 8.22.

9.506. GBR-P02-253 (Seq#0718) (see comment)

Resolved by DBL CWB-051. See agenda item 8.22.

9.507. GBR-P02-255 (Seq#0719)

Resolved by DBL CWB-051. See agenda item 8.22.

9.508. GBR-P02-256 (Seq#0720)

Resolved by DBL CWB-051. See agenda item 8.22.

9.509. JPN-P02-004 (Seq#0721)

Adopted editorially by the Editor.

9.510. NLD-P02-030 (Seq#0722)

Resolved by DBL CWB-051. See agenda item 8.22.

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9.511. GBR-P02-257 (Seq#0724)

OPEN.

9.512. GBR-P02-260 (Seq#0725)

Resolved by DBL CWB-051. See agenda item 8.22.

9.513. CAN-P02-083 (Seq#0728)

Resolved by DBL CWB-051. See agenda item 8.22.

9.514. GBR-P02-258 (Seq#0729) (see comment)

Resolved by DBL CWB-051. See agenda item 8.22.

9.515. GBR-P02-259 (Seq#0730) (see comment)

Resolved by DBL CWB-051. See agenda item 8.22.

9.516. GBR-P02-261 (Seq#0731) (see comment)

Resolved by DBL CWB-051. See agenda item 8.22.

9.517. GBR-P02-262 (Seq#0732)

Resolved by DBL CWB-051. See agenda item 8.22.

9.518. GBR-P02-263 (Seq#0733)

Resolved by DBL CWB-051. See agenda item 8.22.

9.519. GBR-P02-264 (Seq#0734)

Resolved by DBL CWB-051. See agenda item 8.22.

9.520. NLD-P02-031 (Seq#0735)

Resolved by DBL CWB-051. See agenda item 8.22.

9.521. GBR-P02-265 (Seq#0736)

OPEN.

9.522. GBR-P02-266 (Seq#0737)

OPEN.

9.523. GBR-P02-267 (Seq#0738)

OPEN.

9.524. GBR-P02-268 (Seq#0739)

Resolved by DBL CWB-051. See agenda item 8.22.

9.525. JPN-P02-005 (Seq#0740)

Resolved by DBL CWB-051. See agenda item 8.22.

9.526. GBR-P02-269 (Seq#0741)

Resolved by DBL CWB-051. See agenda item 8.22.

9.527. GBR-P02-271 (Seq#0742)

Resolved by DBL CWB-051. See agenda item 8.22.

9.528. CAN-P02-084 (Seq#0746)

Resolved by DBL CWB-051. See agenda item 8.22.

9.529. GBR-P02-270 (Seq#0747)

Resolved by DBL CWB-051. See agenda item 8.22.

9.530. GBR-P02-272 (Seq#0748)

Resolved by DBL CWB-051. See agenda item 8.22.

9.531. GBR-P02-273 (Seq#0749)

Resolved by DBL CWB-051. See agenda item 8.22.

9.532. GBR-P02-274 (Seq#0750)

OPEN.

9.533. CAN-P02-085 (Seq#0751)

OPEN.

9.534. GBR-P02-275 (Seq#0752)

OPEN.

9.535. CAN-P02-086 (Seq#0753) (see comment)

Adopted unanimously.

9.536. GBR-P02-276 (Seq#0754) (see comment)

Amended to move the note to after Syntax Rule 4. Amended unanimously as amended.

9.537. DEU-P02-009 (Seq#0755) (see comment)

Adopted editorially by the Editor.

9.538. GBR-P02-279 (Seq#0758) (see comment)

UK withdrew GBR-P02-279. This ballot comment was resolved with no action.

9.539. CAN-P02-087 (Seq#0759) (see comment)

Adopted editorially by the Editor.

9.540. JPN-P02-008 (Seq#0760)

OPEN.

9.541. NLD-P02-032 (Seq#0761)

OPEN.

9.542. USA-P02-237 (Seq#0762)

OPEN.

9.543. GBR-P02-280 (Seq#0764)

OPEN.

9.544. GBR-P02-281 (Seq#0765)

OPEN.

9.545. GBR-P02-282 (Seq#0766) (see comment)

Amended as follows:

a) Replace the solutions with a replacement for CR 1):

“1) Conforming CORE SQL Language shall specify FOR EACH ROW.”

Adopted unanimously as amended.

9.546. GBR-P02-283 (Seq#0767)

OPEN.

9.547. GBR-P02-284 (Seq#0768)

DBL CWB-147 was adopted unanimously. Adoption of DBL CWB-147 resolved the following ballot comments:

- a) Seq#877 GBR-P02-313
- b) Seq#886 CAN-P02-103
- c) Seq#888 NLD-P02-041
- d) Seq#890 USA-P02-295

9.548. GBR-P02-286 (Seq#0769)

OPEN.

9.549. JPN-P02-006 (Seq#0770)

DBL CWB-142 was amended as follows:

- a) in section 1), new subrule 7)d) change first “NT” to “RT”
- b) in section 2, proposed subrule 2), change first “NT” to “RT”

DBL CWB-142 was adopted unanimously as amended. Adoption of DBL CWB-142 resolved the following ballot comments:

- a) JPN-P02-006 (Seq#0770)
- b) JPN-P02-007 (Seq#0771)

9.550. JPN-P02-007 (Seq#0771)

See agenda item 9.549.

9.551. NLD-P02-033 (Seq#0772)

See DBL CWB-141 in agenda item 9.210.

9.552. USA-P02-239 (Seq#0773)

USA-P02-240 (Seq#0775)

GBR-P02-335 (Seq#0950)

USA-P02-334 (Seq#0962)

USA-P02-354 (Seq#1009) (CWB-037)

DBL CWB-129 is a discussion paper only that raises at least nine Possible Problems in Subclauses 13.6 through 13.10 in SQL/Foundation that relate the “underlying tables of a given expression, cursor or view”. Hugh stated that if he tackles this problem then he would like to revert back to any optional <table name>. No further action was taken on DBL CWB-129.

DBL CWB-037R2 was adopted unanimously. Adoption of DBL CWB-037R2 resolves the following ballot comments:

- a) GBR-P02-068 #0303
- b) USA-P02-103 #0310
- c) USA-P02-104 #0311
- d) GBR-P02-070 #0315
- e) FRA-P02-009 #0598
- f) CAN-P02-061 #0603
- g) GBR-P02-194 #0612
- h) USA-P02-211 #0620
- i) USA-P02-239 #0773
- j) USA-P02-240 #0775

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- k) NLD-P02-048 #0946
- l) USA-P02-334 #0962
- m) GBR-P02-335 #0950
- n) NLD-P02-049 #0951
- o) NLD-P02-051 #0953
- p) NLD-P02-052 #0954
- q) DEU-P02-010 #0957
- r) USA-P02-331 #0958
- s) NLD-P02-053 #0961 partly; DBL CWB-140 will complete the job
- t) USA-P02-334 #0962
- u) DEU-P02-011 #0963
- v) CAN-P02-108 #0973
- w) DEU-P02-014 #0974
- y) NLD-P02-060 #0996
- z) NLD-P02-065 #1008 partly; DBL CWB-140 will complete the job
- aa) USA-P02-354 #1009

9.553. USA-P02-241 (Seq#0776)

DBL CWB-125 was amended as follows:

- a) Section 1.5.3, in proposed rule d+) change “same” to “equivalent”
- b) Section 1.5.3, in proposed rule d+) change “compatible” to “equivalent”.
- c) Section 1.2 was withdrawn.

Adopted unanimously as amended. Adoption of DBL CWB-125 resolves the following ballot comments:

- a) Seq#776 USA-P02-241
- b) Seq#778 GBR-P02-289
- c) Seq#779 GBR-P02-292
- d) Seq#780 NLD-P02-034
- e) Seq#781 USA-P02-242
- f) Seq#784 USA-P02-245
- g) Seq#786 USA-P02-247
- h) Seq#791 CAN-P02-090
- I) Seq#796 GBR-P02-288
- j) Seq#799 GBR-P02-294
- k) Seq#802 NLD-P02-036
- l) Seq#803 NLD-P02-037
- m) Seq#804 NLD-P02-038
- n) Seq#805 USA-P02-251
- o) Seq#806 USA-P02-252
- p) Seq#808 USA-P02-254
- q) Seq#813 USA-P02-258

9.554. CAN-P02-088 (Seq#0777)

DBL CWB-092 was tabled to resolved CAN-P02-088. A revision of this paper was tabled later in the meeting. DBL CWB-092R1 was adopted unanimously.

9.555. GBR-P02-289 (Seq#0778)

OPEN.

9.556. GBR-P02-292 (Seq#0779)

See DBL CWB-125 in agenda item 9.553.

9.557. NLD-P02-034 (Seq#0780)

See DBL CWB-125 in agenda item 9.553.

9.558. USA-P02-242 (Seq#0781)

See DBL CWB-125 in agenda item 9.553.

9.559. USA-P02-244 (Seq#0783)

See DBL CWB-128 in agenda item 9.32.

9.560. USA-P02-245 (Seq#0784)

See DBL CWB-125 in agenda item 9.553.

9.561. USA-P02-246 (Seq#0785)

See DBL CWB-128 in agenda item 9.32.

9.562. USA-P02-247 (Seq#0786)

See DBL CWB-125 in agenda item 9.553.

9.563. USA-P02-248 (Seq#0787)

See DBL CWB-128 in agenda item 9.32.

9.564. USA-P02-249 (Seq#0788)

See DBL CWB-128 in agenda item 9.32.

9.565. USA-P02-250 (Seq#0789)

See DBL CWB-128 in agenda item 9.32.

9.566. CAN-P02-089 (Seq#0790) (see comment)

Adopted unanimously.

9.567. CAN-P02-090 (Seq#0791)

See DBL CWB-125 in agenda item 9.553.

9.568. CAN-P02-091 (Seq#0792) (see comment)

Amended as follows to match the changes DBL CWB-113:

a) remove the “name” from the changed “<user-defined type name>”

Adopted unanimously as amended.

9.569. CAN-P02-092 (Seq#0793)

See DBL CWB-128 in agenda item 9.32.

9.570. CAN-P02-093 (Seq#0794)

OPEN.

9.571. CAN-P02-094 (Seq#0795)

OPEN.

9.572. GBR-P02-288 (Seq#0796)

See DBL CWB-125 in agenda item 9.553.

9.573. GBR-P02-290 (Seq#0797)

Adopted editorially by the Editor.

DBL BBN-027

9.574. GBR-P02-293 (Seq#0798)

Resolved by DBL CWB-113 (see agenda item 9.79).

9.575. GBR-P02-294 (Seq#0799)

See DBL CWB-125 in agenda item 9.553.

9.576. GBR-P02-295 (Seq#0800) (see comment)

Adopted editorially by the Editor.

9.577. NLD-P02-035 (Seq#0801)

See DBL CWB-128 in agenda item 9.32.

9.578. NLD-P02-036 (Seq#0802)

See DBL CWB-125 in agenda item 9.553.

9.579. NLD-P02-037 (Seq#0803)

See DBL CWB-125 in agenda item 9.553.

9.580. NLD-P02-038 (Seq#0804)

See DBL CWB-125 in agenda item 9.553.

9.581. USA-P02-251 (Seq#0805)

See DBL CWB-125 in agenda item 9.553.

9.582. USA-P02-252 (Seq#0806)

See DBL CWB-125 in agenda item 9.553.

9.583. USA-P02-253 (Seq#0807)

See DBL CWB-128 in agenda item 9.32.

9.584. USA-P02-254 (Seq#0808)

See DBL CWB-125 in agenda item 9.553.

9.585. USA-P02-255 (Seq#0809)

See DBL CWB-128 in agenda item 9.32.

9.586. USA-P02-256 (Seq#0810) (see comment)

For: Canada, Germany, Japan, USA

Against: UK

Abstain: Netherlands

Adopted (4-1-1).

9.587. USA-P02-257 (Seq#0811)

See DBL CWB-128 in agenda item 9.32.

9.588. USA-P02-258 (Seq#0813)

See DBL CWB-125 in agenda item 9.553.

9.589. USA-P02-259 (Seq#0814) (see comment)

Adopted editorially by the Editor.

9.590. USA-P02-260 (Seq#0815) (see comment)

See DBL CWB-128 in agenda item 9.32.

9.591. USA-P02-261 (Seq#0816)

See DBL CWB-128 in agenda item 9.32.

9.592. USA-P02-262 (Seq#0817) (see comment)

Adopted editorially by the Editor.

9.593. USA-P02-263 (Seq#0819)

OPEN.

9.594. USA-P02-264 (Seq#0820)

OPEN.

9.595. GBR-P02-296 (Seq#0821)

OPEN.

9.596. USA-P02-265 (Seq#0822) (see comment)

Adopted editorially by the Editor.

9.597. CAN-P02-100 (Seq#0823)

OPEN.

9.598. CAN-P02-095 (Seq#0824)

OPEN.

9.599. CAN-P02-096 (Seq#0825)

OPEN.

9.600. CAN-P02-097 (Seq#0826)

OPEN.

9.601. CAN-P02-098 (Seq#0827)

OPEN.

9.602. CAN-P02-101 (Seq#0828) (see comment)

DBL CWB-163 was adopted unanimously.

9.603. NLD-P02-039 (Seq#0829)

See DBL CWB-141 in agenda item 9.210.

9.604. USA-P02-266 (Seq#0830)

See DBL CWB-143R1 in agenda item 9.185.

9.605. USA-P02-267 (Seq#0831)

OPEN.

9.606. USA-P02-268 (Seq#0832)

OPEN.

9.607. USA-P02-269 (Seq#0833)

See DBL CWB-126R1 in agenda item 8.32.

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9.608. USA-P02-270 (Seq#0834)

See DBL CWB-126R1 in agenda item 8.32.

9.609. USA-P02-271 (Seq#0835)

See DBL CWB-126R1 in agenda item 8.32.

9.610. USA-P02-272 (Seq#0836)

OPEN.

9.611. USA-P02-274 (Seq#0838)

OPEN.

9.612. USA-P02-275 (Seq#0839)

OPEN.

9.613. CAN-P02-099 (Seq#0840)

Solved by CAN-P02-012 (Seq#0186) by making the change of <module> to <SQL-client module definition> globally to SQL/Foundation.

9.614. GBR-P02-301 (Seq#0841) (see comment)

Adopted unanimously.

9.615. GBR-P02-302 (Seq#0842)

OPEN.

9.616. GBR-P02-303 (Seq#0843)

OPEN.

9.617. NLD-P02-040 (Seq#0844)

OPEN.

9.618. USA-P02-277 (Seq#0846)

OPEN.

9.619. USA-P02-278 (Seq#0847)

OPEN.

9.620. USA-P02-279 (Seq#0848)

OPEN.

9.621. USA-P02-280 (Seq#0849) (see comment)

Adopted unanimously.

9.622. USA-P02-281 (Seq#0850) (see comment)

Adopted unanimously.

9.623. USA-P02-282 (Seq#0851)

OPEN.

9.624. USA-P02-283 (Seq#0852)

OPEN.

9.625. USA-P02-284 (Seq#0853)

OPEN.

9.626. GBR-P02-298 (Seq#0854)

OPEN.

9.627. GBR-P02-300 (Seq#0855)

See DBL CWB-126R1 in agenda item 8.32.

9.628. USA-P02-285 (Seq#0856) (see comment)

Resolved by the adoption of GBR-P02-301 (Seq#0841) (see agenda item 9.614).

9.629. GBR-P02-297 (Seq#0857)

OPEN.

9.630. USA-P02-287 (Seq#0861)

Resolved by DBL CWB-049 and DBL CWB-097. See agenda item 9.900.

9.631. GBR-P02-304 (Seq#0862)

OPEN.

9.632. GBR-P02-305 (Seq#0863) (see comment)

Amended as follows:

a) replace solution with a change to Subclause 10.5 <privileges>, delete CR 4) (dealing with the EXECUTE privilege) and in Subclause 10.7 <specific routine designator> delete CR 1).

Adopted unanimously.

9.633. GBR-P02-306 (Seq#0864)

OPEN.

9.634. GBR-P02-307 (Seq#0865) (see comment)

This comment overlaps with the changes in DBL CWB-049.

Action item 10: Krishna Kulkarni to resolve the overlap between GBR-P02-307 and DBL CWB-049. See agenda item 9.634.

9.635. USA-P02-288 (Seq#0866)

OPEN.

9.636. CAN-P02-102 (Seq#0867)

Resolved by DBL CWB-113. See agenda item 9.79.

9.637. GBR-P02-310 (Seq#0868) (see comment)

Resolved by DBL CWB-113. See agenda item 9.79.

9.638. USA-P02-289 (Seq#0869)

Resolved by DBL CWB-113. See agenda item 9.79.

9.639. USA-P02-290 (Seq#0872)

OPEN.

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9.640. GBR-P02-311 (Seq#0873)

OPEN.

9.641. USA-P02-291 (Seq#0874)

OPEN.

9.642. USA-P02-292 (Seq#0875)

OPEN.

9.643. GBR-P02-316 (Seq#0876)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.644. GBR-P02-313 (Seq#0877)

See DBL CWB-147 in agenda item 9.547.

9.645. GBR-P02-314 (Seq#0878) (see comment)

Adopted unanimously.

9.646. GBR-P02-315 (Seq#0879) (see comment)

Adopted unanimously.

9.647. GBR-P02-317 (Seq#0882)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.648. USA-P02-293 (Seq#0883)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.649. USA-P02-294 (Seq#0884)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.650. GBR-P02-318 (Seq#0885)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.651. CAN-P02-103 (Seq#0886)

See DBL CWB-147 in agenda item 9.547.

9.652. CAN-P02-104 (Seq#0887)

See DBL CWB-127 in agenda item 9.148.

9.653. NLD-P02-041 (Seq#0888)

See DBL CWB-147 in agenda item 9.547.

9.654. NLD-P02-042 (Seq#0889)

OPEN.

9.655. USA-P02-295 (Seq#0890)

See DBL CWB-147 in agenda item 9.547.

9.656. USA-P02-296 (Seq#0891) (see comment)

Amended as follows:

a) Interpret the proposal to mean "In each of SRs 12), 13), 14), and 16), replace "no longer having" with "no longer having all of the following". In addition, in every subrule where "one or more XXXs" is used, replace "one or more XXXs" with "every XXX" and clean up the grammar (e.g., number).

Adopted without objection.

9.657. USA-P02-297 (Seq#0892)

OPEN.

9.658. USA-P02-298 (Seq#0893) (see comment)

Amended as follows:

a) change the "which" to "that" in the solution.

Adopted without objection.

9.659. USA-P02-299 (Seq#0894)

OPEN.

9.660. GBR-P02-319 (Seq#0895)

See agenda item 9.78.

9.661. GBR-P02-320 (Seq#0896) (see comment)

Adopted editorially by the Editor.

9.662. GBR-P02-321 (Seq#0897)

OPEN.

9.663. NLD-P02-043 (Seq#0898)

See DBL CWB-141 in agenda item 9.210.

9.664. GBR-P02-322 (Seq#0899) (see comment)

Adopted editorially by the Editor.

9.665. USA-P02-300 (Seq#0900)

See DBL CWB-126R1 in agenda item 8.32.

9.666. GBR-P02-323 (Seq#0901) (see comment)

Adopted editorially by the Editor.

9.667. GBR-P02-324 (Seq#0902) (see comment)

Adopted editorially by the Editor.

9.668. GBR-P02-325 (Seq#0903)

OPEN.

9.669. USA-P02-301 (Seq#0904)

OPEN.

9.670. USA-P02-302 (Seq#0905)

OPEN.

9.671. USA-P02-303 (Seq#0906)

OPEN.

9.672. USA-P02-304 (Seq#0907) (see comment)

Adopted editorially by the Editor.

9.673. USA-P02-305 (Seq#0908)

OPEN.

9.674. USA-P02-306 (Seq#0909)

OPEN.

9.675. GBR-P02-326 (Seq#0910)

See DBL CWB-143R1 in agenda item 9.185.

9.676. USA-P02-307 (Seq#0911)

See DBL CWB-143R1 in agenda item 9.185.

9.677. USA-P02-308 (Seq#0912)

Adopted editorially by the Editor.

9.678. CAN-P02-105 (Seq#0913) (see comment)

Adopted editorially by the Editor.

9.679. GBR-P02-327 (Seq#0914)

OPEN.

9.680. USA-P02-309 (Seq#0915)

Adopted editorially by the Editor.

9.681. USA-P02-310 (Seq#0917)

OPEN.

9.682. USA-P02-311 (Seq#0918)

See DBL CWB-126R1 in agenda item 8.32.

9.683. NLD-P02-044 (Seq#0920)

See DBL CWB-126R1 in agenda item 8.32.

9.684. NLD-P02-045 (Seq#0921)

See DBL CWB-141 in agenda item 9.210.

9.685. USA-P02-313 (Seq#0922) (see comment)

Adopted editorially by the Editor.

9.686. USA-P02-315 (Seq#0925) (see comment)

Adopted unanimously.

9.687. CAN-P02-106 (Seq#0926)

Adopted editorially by the Editor.

9.688. GBR-P02-328 (Seq#0927) (see comment)

Adopted unanimously.

9.689. GBR-P02-329 (Seq#0928) (see comment)

Adopted unanimously.

9.690. GBR-P02-330 (Seq#0929) (see comment)

OPEN.

Action item 11: Hugh Darwen will investigate the solution supplied for GBR-P02-330 (Seq#0929). See agenda item 9.690.

9.691. USA-P02-316 (Seq#0930)

Solution proposed as follows:

- a) 4) [FCDBND] ISO/IEC FCD 9075-5, Information Technology - Database languages - SQL - Part 5: Host Language Bindings (SQL/Bindings), September, 1997.
- 5) [CWB049] DBL CWB-049 Host Language mappings for UDTs, Krishna Kulkarni and Nelso

Adopted unanimously as amended.

9.692. USA-P02-317 (Seq#0931) (see comment)

Adopted unanimously.

9.693. USA-P02-318 (Seq#0932)

OPEN.

9.694. USA-P02-319 (Seq#0933)

OPEN.

9.695. USA-P02-320 (Seq#0934)

OPEN.

9.696. USA-P02-321 (Seq#0935)

OPEN.

9.697. GBR-P02-331 (Seq#0936)

OPEN.

9.698. NLD-P02-046 (Seq#0937)

OPEN.

9.699. GBR-P02-333 (Seq#0938)

See agenda item 9.706.

9.700. GBR-P02-332 (Seq#0939)

OPEN.

9.701. NLD-P02-047 (Seq#0940)

OPEN

9.702. USA-P02-322 (Seq#0941)

See agenda item 9.706.

9.703. USA-P02-323 (Seq#0942) (see comment)

Amended as follows:

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a) Note: The way that this proposed Solution is to be applied is to promote existing subrules 4)b)ii)1) and 4)b)ii)2) to become 4)b)i) and 4)b)ii), respectively, eliminating both "Otherwise" and "Case" from the prolog of 4)b)ii).

Adopted unanimously as amended.

9.704. USA-P02-324 (Seq#0943)

OPEN.

9.705. GBR-P02-334 (Seq#0944)

See agenda item 9.706.

9.706. USA-P02-325 (Seq#0945) (see comment)

Amended as follows:

- a) In the Format, delete "[ITEM]" (mark it SQL4).
- b) Delete SR1) (mark it SQL4).
- c) In SR4), replace "and ITEM if they are" with "if it is" (mark SQL4).
- d) Delete GR2)c) (mark it SQL4).
- e) Delete the prolog ("Case") from GR4) and delete GR4)a) and promote GR4)b) to become GR4); because of interaction with USA-P02-323, the effect is probably to make existing GR4)b)ii)1) and 4)b)ii)2) become GRs 4) and 5) respectively.
- f) Delete CR1).
- g) In Subclause 5.2, "<token> and <separator>", delete ITEM from the <reserved word> production.
- h) In Annex E, "Incompatibilities", delete ITEM from the list of new reserved words.

Adopted unanimously as amended.

Adopted of this amended solution resolved the following ballot comments;

- a) USA-P02-325 (Seq#0945)
- b) GBR-P03-333 (Seq#0938)
- c) USA-P02-322 (Seq#0941)
- d) GBR-P02-334 (Seq#0944)

9.707. NLD-P02-048 (Seq#0946)

See DBL CWB-037R2 in agenda item 9.552.

9.708. USA-P02-327 (Seq#0948)

OPEN.

9.709. USA-P02-328 (Seq#0949)

OPEN.

9.710. NLD-P02-050 (Seq#0952)

OPEN.

9.711. USA-P02-329 (Seq#0955) (see comment)

Adopted unanimously.

9.712. USA-P02-330 (Seq#0956) (see comment)

Adopted editorially by the Editor.

9.713. USA-P02-331 (Seq#0958)

See DBL CWB-037R2 in agenda item 9.552.

9.714. USA-P02-332 (Seq#0959)

OPEN.

9.715. DEU-P02-011 (Seq#0963)

See DBL CWB-037R2 in agenda item 9.552.

9.716. DEU-P02-012 (Seq#0964) (see comment)

OPEN.

Action item 12: USA to review LHR-114 “Moving instead of trigger to SQL4 ” to determine why it added the “offending” text. See agenda item 9.716. DEU-P02-012 (Seq#0964).

9.717. GBR-P02-337 (Seq#0966) (see comment)

Amended as follows:

a) in GR 6)b)i) delete the word “Case:”.

Adopted as amended.

9.718. USA-P02-335 (Seq#0967)

OPEN.

9.719. USA-P02-336 (Seq#0968)

DBL CWB-037R2 replaced General Rule 11) and the offending word “list” no longer occurs. See agenda item 9.552.

9.720. USA-P02-337 (Seq#0969)

OPEN.

9.721. USA-P02-338 (Seq#0970)

OPEN.

9.722. USA-P02-339 (Seq#0971)

OPEN.

9.723. CAN-P02-107 (Seq#0972)

GBR-P02-338 (Seq#0976) (CWB-038)

DBL CWB-038 was amended as follows:

a) In both n) and n+1), change “then the corresponding constructor function UDTN()” to “then the data type descriptor of the data type UDT identified by UDTN shall indicate that UDT is INSTANTIABLE”.

Adopted without objection.

Adoption of DBL CWB-038 resolved the following ballot comments:

a) CAN-P02-107 (Seq#0972)

b) GBR-P02-338 (Seq#0976)

c) NLD-P02-115 (Seq#1110) (see agenda item 9.842)

The Editor will close Possible Problem 352.

9.724. DEU-P02-014 (Seq#0974)

See DBL CWB-037R2 in agenda item 9.552.

9.725. GBR-P02-336 (Seq#0975)

OPEN.

9.726. GBR-P02-339 (Seq#0977) (see comment)

Adopted editorially by the Editor.

9.727. NLD-P02-054 (Seq#0978)

See DBL CWB-140 in agenda item 9.267.

9.728. USA-P02-340 (Seq#0979)

OPEN.

9.729. USA-P02-341 (Seq#0980)

OPEN.

9.730. DEU-P02-015 (Seq#0981) (see comment)

Adopted editorially by the Editor.

9.731. DEU-P02-016 (Seq#0982) (see comment)

Adopted editorially by the Editor.

9.732. USA-P02-342 (Seq#0983)

OPEN.

9.733. GBR-P02-340 (Seq#0984) (see comment)

Adopted editorially by the Editor.

9.734. FRA-P02-010 (Seq#0985)

OPEN.

9.735. NLD-P02-055 (Seq#0986)

See DBL CWB-127 in agenda item 9.148.

9.736. USA-P02-343 (Seq#0987)

OPEN.

9.737. USA-P02-344 (Seq#0988)

OPEN.

9.738. USA-P02-345 (Seq#0989)

OPEN.

9.739. USA-P02-346 (Seq#0990)

OPEN.

9.740. USA-P02-347 (Seq#0991)

OPEN.

9.741. NLD-P02-056 (Seq#0992)

OPEN.

9.742. NLD-P02-057 (Seq#0993)

Adopted editorially by the Editor.

9.743. NLD-P02-058 (Seq#0994)

OPEN.

9.744. NLD-P02-059 (Seq#0995)

OPEN.

9.745. NLD-P02-060 (Seq#0996)

See DBL CWB-037R2 in agenda item 9.552.

9.746. NLD-P02-061 (Seq#0997)

Proposed solution is as follows:

a) Subclause 13.9 <update statement: positioned> GR 14) mark the text “, unless otherwise indicated for SOME and NONE in the General Rule above,”.

Adopted unanimously.

9.747. NLD-P02-062 (Seq#0998)

OPEN.

9.748. USA-P02-348 (Seq#0999) (see comment)

OPEN. The solution in this ballot comment is incomplete since it neglects to include changes to SQL/Bindins for <dynamic parameter specification>.

9.749. USA-P02-349 (Seq#1000)

Resolved by DBL CWB-050 (see agenda item 9.368).

9.750. USA-P02-351 (Seq#1001)

OPEN.

9.751. NLD-P02-063 (Seq#1003)

OPEN.

9.752. USA-P02-352 (Seq#1004)

Proposed solution is as follows:

a) Subclause 13.10 <update statement: searched > GR 14) mark the text “, unless otherwise indicated for SOME and NONE in the General Rule above,”.

Adopted unanimously.

9.753. USA-P02-353 (Seq#1005)

OPEN.

9.754. CAN-P02-109 (Seq#1006)

See DBL CWB-127 in agenda item 9.148.

9.755. NLD-P02-064 (Seq#1007)

This comment was resolved by the actions in agenda item 9.746 and 9.752.

9.756. USA-P02-355 (Seq#1010)

See DBL CWB-126R1 in agenda item 8.32.

9.757. USA-P02-356 (Seq#1011)

See DBL CWB-126R1 in agenda item 8.32.

9.758. GBR-P02-341 (Seq#1012)

Adopted editorially by the Editor.

9.759. NLD-P02-066 (Seq#1013)

OPEN.

9.760. NLD-P02-067 (Seq#1014)

See DBL CWB-126R1 in agenda item 8.32.

9.761. NLD-P02-068 (Seq#1015)

See DBL CWB-126R1 in agenda item 8.32.

9.762. USA-P02-357 (Seq#1016)

OPEN.

9.763. USA-P02-358 (Seq#1017)

OPEN.

9.764. USA-P02-359 (Seq#1018) (see comment)

Adopted editorially by the Editor.

9.765. NLD-P02-070 (Seq#1023)

OPEN.

9.766. NLD-P02-071 (Seq#1024)

OPEN.

9.767. NLD-P02-072 (Seq#1029)

OPEN.

9.768. USA-P02-361 (Seq#1026)

OPEN.

9.769. USA-P02-362 (Seq#1027) (see comment)

Adopted editorially by the Editor.

9.770. CAN-P02-110 (Seq#1028)

OPEN.

9.771. NLD-P02-073 (Seq#1030)

OPEN.

9.772. NLD-P02-074 (Seq#1031)

OPEN.

9.773. NLD-P02-075 (Seq#1033)

DBL CWB-136R1 was adopted unanimously. Adopted on DBL CWB-136R1 resolved the following ballot comments:

a) NLD-P01-075 (Seq#1033)

b) NLD-P02-104 (Seq#1099)

9.774. CAN-P02-111 (Seq#1032)

OPEN.

9.775. NLD-P02-076 (Seq#1034)

OPEN.

9.776. NLD-P02-077 (Seq#1044)

OPEN.

9.777. CAN-P02-113 (Seq#1035)

OPEN.

9.778. CAN-P02-114 (Seq#1036)

OPEN.

9.779. CAN-P02-115 (Seq#1037)

OPEN.

9.780. USA-P02-363 (Seq#1038)

OPEN.

9.781. USA-P02-364 (Seq#1039)

OPEN.

9.782. CAN-P02-116 (Seq#1040) (see comment)

Adopted unanimously.

9.783. CAN-P02-117 (Seq#1041)

OPEN.

9.784. CAN-P02-112 (Seq#1042) (see comment)

Adopted unanimously.

9.785. USA-P02-365 (Seq#1043)

OPEN.

9.786. NLD-P02-078 (Seq#1049)

OPEN.

9.787. CAN-P02-118 (Seq#1046)

DBL CWB-135 was amended as follows:

a) in section 2)a) eliminate the strikeout on the text “that is explicitly or implicitly referenced in the query expression of the view ”.

Adopted unanimously as amended.

9.788. GBR-P02-346 (Seq#1047) (see comment)

Adopted unanimously.

9.789. GBR-P02-347 (Seq#1048) (see comment)

Adopted unanimously.

9.790. NLD-P02-079 (Seq#1059)

OPEN.

9.791. GBR-P02-349 (Seq#1051) (see comment)

Adopted unanimously.

9.792. JPN-P02-109 (Seq#1052)

OPEN.

9.793. CAN-P02-119 (Seq#1053)

See DBL CWB-138R1 in agenda item 9.84.

**9.794. USA-P02-366 (Seq#1058) (CWB-045)
(CWB-076)**

DBL CWB-045 was adopted unanimously.

DBL CWB-076 was noted (discussion paper).

9.795. NLD-P02-069 (Seq#1022)

OPEN.

9.796. GBR-P02-350 (Seq#1061) (see comment)

Adopted editorially by the Editor.

9.797. USA-P02-367 (Seq#1062)

Resolved by processing USA-P02-315 (Seq#0925). See agenda item 9.686.

9.798. JPN-P02-112 (Seq#1063) (see comment)

Adopted editorially by the Editor.

9.799. USA-P02-368 (Seq#1064)

Resolved by processing USA-P02-315 (Seq#0925). See agenda item 9.686.

The Editor will add an entry in Annex E to describe this incompatibility with SQL92.

9.800. NLD-P02-080 (Seq#1065)

Resolved by DBL CWB-124 (see agenda item 8.68).

9.801. CAN-P02-120 (Seq#1066)

Resolved by DBL CWB-124 (see agenda item 8.68).

9.802. GBR-P02-351 (Seq#1067)

Adopted editorially by the Editor.

9.803. CAN-P02-121 (Seq#1068)

See DBL CWB-104 in agenda item 9.250.

9.804. CAN-P02-122 (Seq#1069)

OPEN.

9.805. CAN-P02-125 (Seq#1071)

OPEN.

9.806. CAN-P02-126 (Seq#1072)

OPEN.

9.807. DEU-P02-017 (Seq#1073)

OPEN.

**9.808. ITA-P02-001 (Seq#1075) (see also comment)
(CWB-013, CWB-015, CWB-016,
CWB-058, CWB-059, CWB-060)**

The meeting had a lengthy presentation and discussion on DBL CWB-013 since it represents the direction of the set of Italian papers including DBL CWB-015, DBL CWB-016, DBL CWB-058, DBL CWB-059 and DBL CWB-060. After this discussion period, a vote was taken on DBL CWB-013:

For: Brazil, Canada, Germany, Italy, Netherlands, UK
Against: USA
Abstain: Japan

Adopted (6-1-1).

Jim Melton explained that while the USA delegates were “comforted” by the presentation and discussion on DBL CWB-013 they were directed to vote No on this set of papers as represented by DBL CWB-013. Jim said that now that these material was been adopted for SQL3 they would ensure that this material was studied in detail within the USA committee to determine its relationship to the implementation of rules in various existing products.

Stephen, Luigi and Fred reviewed all of the papers DBL CWB-015, DBL CWB-016, DBL CWB-058, DBL CWB-059 and DBL CWB-060 and determined their interactions with other papers adopted by the editing meeting. They considered all technical problems submitted by other National Bodies on these papers and returned to the editing meeting with revised version of all of these papers.

DBL CWB-013R1, DBL CWB-015R1, DBL CWB-016, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 were adopted as follows:

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

Adopted (7-0-1)

This action resolved the following ballot comments:

- a) Seq# 83, ITA-P01-001
- b) Seq# 199, GBR-P02-035
- c) Seq# 200, GBR-P02-036 (included in these documents)
- d) Seq# 551, GBR-P02-170
- e) Seq# 552, USA-P02-195 (included in these documents)
- f) Seq# 556, USA-P02-197
- g) Seq# 558, USA-P02-199 (included in these documents)
- h) Seq# 563, GBR-P02-173 (included in these documents)
- i) Seq# 575, USA-P04-203 (included in these documents)
- j) Seq# 648, GBR-P02-212 (included in these documents)
- k) Seq# 774, GBR-P02-285 (included in these documents)
- l) Seq# 876, GBR-P02-316
- m) Seq# 878, GBR-P02-314 (included in these documents)

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- n) Seq# 879, GBR-P02-315 (included in these documents)
- o) Seq# 880, GBR-P02-312 (included in these documents)
- p) Seq# 881, JPN-P02-024 (included in these documents)
- q) Seq# 882, GBR-P02-317
- r) Seq# 883, USA-P02-293
- s) Seq# 884, USA-P02-294
- t) Seq# 885, GBR-P02-318
- u) Seq# 891, USA-P02-296 (included in these documents)
- v) Seq# 893, USA-P02-298 (included in these documents)
- w) Seq# 1075, ITA-P02-001
- x) Seq# 1201, GBR-P02-353
- y) Seq# 1245, USA-P04-021 (included in these documents)
- z) Seq# 1248, CAN-P04-007 (included in these documents)
- aa) Seq# 1303, ITA-P04-001
- bb) Seq# 1528, ITA-P05-001

DBL CWB-059R3 was tabled later in the meeting to cover interactions with other papers. DBL CWB-059R3 was adopted unanimously.

9.809. NLD-P02-081 (Seq#1076)

OPEN.

9.810. NLD-P02-082 (Seq#1077)

OPEN.

9.811. NLD-P02-083 (Seq#1078)

OPEN.

9.812. NLD-P02-084 (Seq#1079)

OPEN.

9.813. NLD-P02-085 (Seq#1080)

OPEN.

9.814. NLD-P02-086 (Seq#1081)

OPEN.

9.815. NLD-P02-087 (Seq#1082)

OPEN.

9.816. NLD-P02-088 (Seq#1083)

OPEN.

9.817. NLD-P02-089 (Seq#1084)

OPEN.

9.818. NLD-P02-091 (Seq#1086)

OPEN.

9.819. NLD-P02-092 (Seq#1087)

OPEN.

9.820. NLD-P02-093 (Seq#1088)

OPEN.

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9.821. NLD-P02-094 (Seq#1089)

OPEN.

9.822. NLD-P02-095 (Seq#1090)

OPEN.

9.823. NLD-P02-096 (Seq#1091)

OPEN.

9.824. NLD-P02-097 (Seq#1092)

OPEN.

9.825. NLD-P02-098 (Seq#1093)

See DBL CWB-130 in agenda item 9.150.

9.826. NLD-P02-099 (Seq#1094)

OPEN.

9.827. NLD-P02-100 (Seq#1095)

OPEN.

9.828. NLD-P02-101 (Seq#1096)

OPEN.

9.829. NLD-P02-102 (Seq#1097)

OPEN.

9.830. NLD-P02-103 (Seq#1098)

OPEN.

9.831. NLD-P02-104 (Seq#1099)

See DBL CWB-136R1 in agenda item 9.773.

9.832. NLD-P02-105 (Seq#1100)

DBL CWB-159 was adopted unanimously.

9.833. NLD-P02-106 (Seq#1101)

See DBL CWB-159 in agenda item 9.832.

9.834. NLD-P02-107 (Seq#1102)

OPEN.

9.835. NLD-P02-108 (Seq#1103)

OPEN.

9.836. NLD-P02-109 (Seq#1104)

DBL CWB-145R1 was tabled to handle this ballot comment. It was decided that in fact no change was need to the base documents to permit the deletion of the Possible Problem 322. In fact this ballot comment is related to Seq#0554 GBR-P02-172 which can also be resolved with no action.

9.837. NLD-P02-110 (Seq#1105)

OPEN.

9.838. NLD-P02-111 (Seq#1106)

OPEN.

9.839. NLD-P02-112 (Seq#1107)

OPEN.

9.840. NLD-P02-113 (Seq#1108)

OPEN.

9.841. NLD-P02-114 (Seq#1109)

OPEN.

9.842. NLD-P02-115 (Seq#1110)

See agenda item 9.723.

9.843. NLD-P02-116 (Seq#1111)

Since CONSTRAINTS are no longer permitted in <user-defined type definition>s this problem no longer occurred. Comment was closed with no action.

9.844. NLD-P02-117 (Seq#1112)

Since CONSTRAINTS are no longer permitted in <user-defined type definition>s this problem no longer occurred. Comment was closed with no action.

9.845. NLD-P02-118 (Seq#1113)

Problem was withdrawn by Netherlands and therefore the comment was closed.

9.846. NLD-P02-119 (Seq#1114)

This problem is outside of the scope of the SQL standard and therefore the comment was closed.

9.847. NLD-P02-120 (Seq#1115)

OPEN.

9.848. NLD-P02-121 (Seq#1116)

OPEN.

9.849. NLD-P02-122 (Seq#1117)

OPEN.

9.850. NLD-P02-123 (Seq#1118)

OPEN.

9.851. NLD-P02-124 (Seq#1119)

This is not a problem and SQL/Bindings already adequately covers this problem. The comment was closed.

9.852. NLD-P02-125 (Seq#1120)

OPEN.

9.853. NLD-P02-126 (Seq#1121)

OPEN.

9.854. NLD-P02-127 (Seq#1122)

OPEN.

9.855. NLD-P02-128 (Seq#1123)

See DBL CWB-130 see agenda item 9.150.

9.856. NLD-P02-129 (Seq#1124)

OPEN.

9.857. NLD-P02-130 (Seq#1125)

OPEN.

9.858. NLD-P02-131 (Seq#1126)

Connection statement are not permitted but diagnostics statements are. The comment was closed since the questions were answered.

9.859. NLD-P02-132 (Seq#1127)

The module resides at the SQL-client. The comment was closed since the question was answered.

9.860. NLD-P02-133 (Seq#1128)

The module resides at the SQL-client (not the SQL-server). It is never shipped to the SQL-client. The third question is irrelevant. The comment was closed.

9.861. NLD-P02-134 (Seq#1129)

See DBL CWB-130 see agenda item 9.150.

9.862. NLD-P02-135 (Seq#1130)

See DBL CWB-130 see agenda item 9.150.

9.863. NLD-P02-136 (Seq#1131)

OPEN.

9.864. NLD-P02-137 (Seq#1132)

OPEN.

9.865. NLD-P02-138 (Seq#1133)

OPEN.

9.866. NLD-P02-139 (Seq#1134)

OPEN.

9.867. NLD-P02-140 (Seq#1135)

OPEN.

9.868. NLD-P02-141 (Seq#1136)

OPEN.

9.869. NLD-P02-142 (Seq#1137)

OPEN.

9.870. NLD-P02-143 (Seq#1138)

OPEN.

9.871. NLD-P02-144 (Seq#1139)

OPEN.

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9.872. NLD-P02-145 (Seq#1140)

See DBL CWB-130 in agenda item 9.150.

9.873. NLD-P02-146 (Seq#1141)

See DBL CWB-130 in agenda item 9.150.

9.874. NLD-P02-147 (Seq#1142)

See DBL CWB-130 in agenda item 9.150.

9.875. NLD-P02-148 (Seq#1143)

OPEN.

9.876. NLD-P02-149 (Seq#1144)

OPEN.

9.877. NLD-P02-152 (Seq#1147)

OPEN.

9.878. NLD-P02-153 (Seq#1148)

OPEN.

9.879. NLD-P02-154 (Seq#1149)

OPEN.

9.880. NLD-P02-156 (Seq#1151)

See DBL CWB-130 in agenda item 9.150.

9.881. NLD-P02-157 (Seq#1152)

See DBL CWB-130 in agenda item 9.150.

9.882. NLD-P02-158 (Seq#1153)

OPEN.

9.883. NLD-P02-159 (Seq#1154)

See DBL CWB-130 in agenda item 9.150.

9.884. NLD-P02-160 (Seq#1155)

OPEN.

9.885. NLD-P02-161 (Seq#1156)

OPEN.

9.886. NLD-P02-162 (Seq#1157)

OPEN.

9.887. NLD-P02-163 (Seq#1158)

OPEN.

9.888. NLD-P02-164 (Seq#1159)

See DBL CWB-130 in agenda item 9.150.

9.889. NLD-P02-165 (Seq#1160)

OPEN.

**9.890. NLD-P02-166 (Seq#1161)
NLD-P05-243 (Seq#1532) (CWB-029)**

DBL CWB-029 was adopted unanimously. Adoption of DBL CWB-029 resolved the following ballot comments:

- a) NLD-P02-166 (Seq#1161)
- b) NLD-P05-243 (Seq#1532)
- c) USA-P05-054 (Seq#1519) (see agenda item 11.126)

9.891. NLD-P02-167 (Seq#1162)

See DBL CWB-143R1 in agenda item 9.185.

9.892. NLD-P02-168 (Seq#1163)

OPEN.

9.893. NLD-P02-169 (Seq#1164)

OPEN.

9.894. NLD-P02-170 (Seq#1165)

OPEN.

9.895. NLD-P02-171 (Seq#1166)

OPEN.

9.896. NLD-P02-172 (Seq#1167)

OPEN.

9.897. NLD-P02-173 (Seq#1168)

OPEN.

9.898. NLD-P02-174 (Seq#1169)

OPEN.

9.899. NLD-P02-175 (Seq#1170)

OPEN.

**9.900. GBR-P02-287 (Seq#0812)
USA-P02-312 (Seq#0919)
USA-P02-369 (Seq#1171) (CWB-049)**

Krishna provided the missing rule 7+) for Section 3.1.13.4:

7+) If <module transform group specification> is not specified, then TRANSFORM GROUP DEFAULT is implicit.

DBL CWB-049 and DBL CWB-097 were adopted unanimously as amended.

Adoption of DBL CWB-049 and DBL CWB-097 resolved the following ballot comments:

- a) NLD-P02-040 (Seq#844) (partial since row types and collections are not yet supported).
- b) USA-P02-287 (Seq#861)
- c) GBR-P02-307 (Seq#865) (partial since DROP DATA TYPE case was not covered)
- d) USA-P02-312 (Seq#0919)
- e) USA-P02-039 (Seq#1171)
- f) CAN-P05-034 (Seq#1506)
- g) NLD-P05-247 (Seq#1537)

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A revision to DBL CWB-097R1 was adopted unanimously.

This action did NOT resolve GBR-P02-287 (Seq#0812).

Action item 13: Krishna Kulkarni will attempt to finalize the solution to GBR-P02-307 (Seq#865). See agenda item 9.900.

9.901. USA-P02-371 (Seq#1173)

OPEN.

9.902. USA-P02-372 (Seq#1174)

See agenda item 9.165.

9.903. USA-P02-373 (Seq#1175)

OPEN.

9.904. USA-P02-374 (Seq#1176)

OPEN.

9.905. USA-P02-375 (Seq#1177)

OPEN.

9.906. USA-P02-376 (Seq#1178)

This the “catch-all” USA comment that covers “problems discovered during the editing process”. Each of the following paper partially resolves this ballot comment.

DBL CWB-057 was adopted unanimously.

DBL CWB-112 was adopted unanimously.

DBL CWB-103 caused a great deal of discussion about the whether we wanted to permit outward references from SQL/Foundation to SQL/Bindings. Several experts expressed interest in relaxing the current rules re tagging of SQL/Bindings . Several other experts including the Editor expressed interest in not having the documents in a limbo state i.e. only partially obey the current rules.

DBL CWB-103 was adopted without objection. Japan, Germany and Japan abstained.

DBL CWB-109 was amended as follows:

- a) In proposal part 1.1.1, make "<generalized expression>s" singular.
- b) In proposal part 1.3.2, replace proposed rule 3)a) with:
 - a) If F is type preserving, then:
 - i) Let RT be an item, arbitrarily chosen, of the declared type DDT of the argument substituted for the result SQL parameter of F.
 - ii) If the most specific type of RV is not some subtype of DDT, then an exception condition is raised: most specific type mismatch in invocation of type-preserving function.

DBL CWB-109 was adopted unanimously as amended.

DBL CWB-148 was noted.

DBL CWB-133R1 was tabled to solve a problem re ONLY in <table reference>s. Adopted unanimously.

DBL CWB-158 failed for lack of support.

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Hugh Darwen proposed the following changes to SQL/PSM Subclause 8.3, "<sqlstate value>"

- a) in SR1, DELETE "the character string that is the value of"
- b) in SR4, DELETE "the value of"
- c) in SR5, DELETE "the value of"
- d) in SR6, DELETE "the value of".

Adopted unanimously.

9.907. USA-P02-378 (Seq#1180)

OPEN.

9.908. USA-P02-379 (Seq#1181)

OPEN.

9.909. USA-P02-380 (Seq#1182)

OPEN.

9.910. USA-P02-381 (Seq#1183)

OPEN.

9.911. CAN-P02-123 (Seq#1187)

Adopted editorially by the Editor.

9.912. ITA-P02-002 (Seq#1188) (CWB-014)

After the discussion and motion on DBL CWB-013 (see agenda item 9.808), DBL CWB-014 was revised and was tabled as DBL CWB-014R1.

DBL CWB-014R1 was amended as follows:

- a) in section 8, do not strikeout "AS RP"

Adopted unanimously as amended.

9.913. NLD-P02-176 (Seq#1189)

OPEN.

9.914. NLD-P02-177 (Seq#1190)

OPEN.

9.915. NLD-P02-178 (Seq#1191)

OPEN.

9.916. NLD-P02-179 (Seq#1192)

OPEN.

9.917. NLD-P02-181 (Seq#1194)

OPEN.

9.918. NLD-P02-182 (Seq#1195)

OPEN.

9.919. NLD-P02-183 (Seq#1196)

OPEN.

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9.920. NLD-P02-184 (Seq#1197)

OPEN.

9.921. NLD-P02-185 (Seq#1198)

OPEN.

9.922. NLD-P02-186 (Seq#1199)

OPEN.

9.923. NLD-P02-187 (Seq#1200)

OPEN.

9.924. GBR-P02-353 (Seq#1201)

See DBL CWB-013R1, DBL CWB-15R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

9.925. GBR-P02-355 (Seq#1202)

OPEN.

9.926. GBR-P02-356 (Seq#1203)

OPEN.

9.927. GBR-P02-357 (Seq#1204)

OPEN.

9.928. GBR-P02-359 (Seq#1205)

OPEN.

9.929. GBR-P02-360 (Seq#1206)

See DBL CWB-126R1 in agenda item 8.32.

9.930. USA-P02-385 (Seq#1207)

OPEN.

9.931. USA-P02-386 (Seq#1208) (see comment)

For: Canada, Japan, Netherlands, USA
Against: Germany, UK

Adopted (4-2-2).

9.932. GBR-P02-352 (Seq#1210)

OPEN.

Action item 14: Paul Cotton to research this problem identified in GBR-P02-352 (Seq#1210) in more detail. See agenda item 9.932.

10. SQL/PSM Topics

10.1. USA-P04-001 (Seq#1212) (see comment)

Adopted editorially by the Editor.

10.2. USA-P04-002 (Seq#1213) (see comment)

Adopted editorially by the Editor.

10.3. USA-P04-003 (Seq#1214) (see comment)

Adopted editorially by the Editor.

10.4. USA-P04-004 (Seq#1215) (see comment)

Adopted editorially by the Editor.

10.5. USA-P04-005 (Seq#1216) (see comment)

Adopted editorially by the Editor.

10.6. USA-P04-006 (Seq#1217) (see comment)

Adopted editorially by the Editor.

10.7. USA-P04-007 (Seq#1218)

Adopted editorially by the Editor.

10.8. USA-P04-009 (Seq#1220)

OPEN.

10.9. JPN-P04-119 (Seq#1221) (see comment)

Adopted editorially by the Editor.

10.10. USA-P04-010 (Seq#1222)

OPEN.

10.11. USA-P04-011 (Seq#1225)

OPEN.

10.12. GBR-P04-001 (Seq#1226)

OPEN.

10.13. USA-P04-012 (Seq#1228) (see comment)

Adopted editorially by the Editor.

10.14. USA-P04-013 (Seq#1229)

See DBL CWB-155 in agenda item 9.112.

10.15. CAN-P04-001 (Seq#1230)

Adopted editorially by the Editor.

10.16. USA-P04-014 (Seq#1231) (see comment)

Adopted editorially by the Editor.

10.17. USA-P04-015 (Seq#1232) (see comment)

Adopted editorially by the Editor. See also agenda item 9.87.

10.18. USA-P04-016 (Seq#1233)

OPEN.

DBL BBN-027

10.19. JPN-P04-118 (Seq#1234) (see comment)

DBL CWB-081 changed these rules extensively. This comment was deemed resolved without any further action.

10.20. USA-P04-017 (Seq#1235) (see comment)

DBL CWB-081 changed these rules extensively. This comment was deemed resolved without any further action.

10.21. USA-P04-018 (Seq#1236) (see comment)

DBL CWB-081 changed these rules extensively. This comment was deemed resolved without any further action.

10.22. CAN-P04-002 (Seq#1237) (see comment)

Canada agreed to withdraw its solution in favour of a change to Subclause 3.2.2.1.

Stephen and Jim tabled DBL CWB-146 to propose revisions to Subclause 3.2.2.1 to solve CAN-P04-004 (Seq#1237). Adopted unanimously. DBL CWB-146 resolved CAN-P04-002 with its changes to the material in SQL/Framework.

10.23. CAN-P04-003 (Seq#1239)

Adopted editorially by the Editor.

10.24. CAN-P04-004 (Seq#1240)

Adopted editorially by the Editor.

10.25. USA-P04-019 (Seq#1241) (see comment)

DBL CWB-161 was adopted unanimously.

10.26. CAN-P04-005 (Seq#1242) (see comment)

Adopted unanimously.

10.27. USA-P04-020 (Seq#1243) (see comment)

The USA withdrew this comment. It was deemed resolved with no action required.

10.28. CAN-P04-006 (Seq#1244)

Adopted editorially by the Editor.

10.29. USA-P04-021 (Seq#1245) (see comment)

Adopted editorially by the Editor. See also agenda item 9.87.

10.30. CAN-P04-007 (Seq#1248)

Adopted editorially by the Editor.

10.31. NLD-P04-188 (Seq#1249)

OPEN.

10.32. CAN-P04-008 (Seq#1250)

DBL CWB-154 was adopted unanimously.

10.33. CAN-P04-009 (Seq#1251)

Adopted editorially by the Editor. See agenda item 10.34.

10.34. USA-P04-022 (Seq#1252) (see comment)

Adopted editorially by the Editor.

10.35. CAN-P04-010 (Seq#1253)

DBL CWB-153 was adopted unanimously.

10.36. GBR-P04-002 (Seq#1254)

OPEN.

10.37. USA-P04-023 (Seq#1255)

OPEN.

10.38. USA-P04-024 (Seq#1256)

OPEN.

10.39. NLD-P04-189 (Seq#1257)

Adopted editorially by the Editor.

10.40. USA-P04-025 (Seq#1258) (see comment)

Adopted editorially by the Editor.

10.41. CAN-P04-011 (Seq#1260)

DBL CWB-093 was adopted unanimously.

The Editor will change the “For example” text into Notes.

10.42. CAN-P04-012 (Seq#1261)

DBL CWB-152 was adopted unanimously.

10.43. USA-P04-026 (Seq#1262)

OPEN.

10.44. USA-P04-027 (Seq#1263)

OPEN.

10.45. USA-P04-028 (Seq#1264)

OPEN.

10.46. USA-P04-029 (Seq#1265)

OPEN.

10.47. CAN-P04-013 (Seq#1266)

Adopted editorially by the Editor.

10.48. GBR-P04-003 (Seq#1267)

OPEN.

10.49. USA-P04-030 (Seq#1268)

Adopted editorially by the Editor.

10.50. CAN-P04-014 (Seq#1269)

DBL CWB-094 was amended as follows:

a) Section 2.1, change “contained in CS that are” to “that is”.

DBL BBN-027

Adopted unanimously as amended.

10.51. CAN-P04-015 (Seq#1271)

Adopted editorially by the Editor.

10.52. CAN-P04-016 (Seq#1275)

Adopted editorially by the Editor.

10.53. CAN-P04-017 (Seq#1276)

Adopted editorially by the Editor.

10.54. USA-P04-031 (Seq#1277) (see comment)

Adopted editorially by the Editor.

**10.55. CAN-P04-018 (Seq#1279)
NLD-P04-231 (Seq#1347) (CWB-012)**

DBL CWB-012 was adopted unanimously.

10.56. CAN-P04-020 (Seq#1283) (see comment)

Adopted unanimously.

10.57. CAN-P04-021 (Seq#1285) (see comment)

Adopted unanimously.

10.58. CAN-P04-023 (Seq#1287)

Adopted editorially by the Editor.

10.59. USA-P04-032 (Seq#1288) (see comment)

Adopted editorially by the Editor.

10.60. CAN-P04-022 (Seq#1289)

Adopted editorially by the Editor.

10.61. CAN-P04-024 (Seq#1290)

OPEN.

10.62. USA-P04-033 (Seq#1291) (see comment)

Adopted unanimously.

10.63. USA-P04-034 (Seq#1292)

DBL CWB-150 was adopted without objection.

10.64. CAN-P04-025 (Seq#1299)

DBL CWB-151 was adopted unanimously.

10.65. CAN-P04-026 (Seq#1300)

OPEN.

10.66. CAN-P04-028 (Seq#1301)

OPEN.

10.67. CAN-P04-029 (Seq#1302)

OPEN.

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10.68. ITA-P04-001 (Seq#1303)

See DBL CWB-059 in agenda item 9.808.

10.69. NLD-P04-190 (Seq#1304)

OPEN.

10.70. NLD-P04-191 (Seq#1305)

OPEN.

10.71. NLD-P04-192 (Seq#1306)

OPEN.

10.72. NLD-P04-193 (Seq#1307)

OPEN.

10.73. NLD-P04-194 (Seq#1308)

OPEN.

10.74. NLD-P04-195 (Seq#1309)

OPEN.

10.75. NLD-P04-196 (Seq#1310)

OPEN.

10.76. USA-P04-035 (Seq#1311)

OPEN.

10.77. GBR-P04-004 (Seq#1312)

DBL CWB-157 was amended as follows:

- a) section 2.1 and 2.3, change “an user-defined” to “a user-defined”
- b) in section 2.2, delete the reference completely to “<user-defined data type definition>”.

DBL CWB-157 was adopted unanimously.

10.78. NLD-P04-197 (Seq#1313)

OPEN.

10.79. NLD-P04-198 (Seq#1314)

OPEN.

10.80. NLD-P04-199 (Seq#1315)

OPEN.

10.81. NLD-P04-200 (Seq#1316)

The rules in Possible Problem 091 exist in PSM for <temporary table definition>. This is an obsolete problem and the ballot comment was closed.

10.82. NLD-P04-201 (Seq#1317)

Possible problem 092 is not a problem since you cannot have two modules that can have two routine with the same name. This problem no longer exists and the ballot comment was closed.

10.83. NLD-P04-202 (Seq#1318)

Fred's paper on <item reference> at the 2nd PSM CD editing meeting fixed this problem. The problem no longer exists and the ballot comment was closed.

10.84. NLD-P04-203 (Seq#1319)

DDL statements are NOT supposed by 12.6 SR 7) in SQL/Foundation. This problem no longer exists and the ballot comment was closed.

10.85. NLD-P04-204 (Seq#1320)

This is an obsolete and was addressed by <routine invocation> cleanup and the ballot comment was resolved.

10.86. NLD-P04-205 (Seq#1321)

This was created by a paper by Jim Melton. The problem no longer exists and the ballot comment was closed.

10.87. NLD-P04-206 (Seq#1322)

OPEN.

Action item 15: Fred Zemke to review Seq#1322 NLD-P04-206. See agenda item 10.87.

10.88. NLD-P04-207 (Seq#1323)

PSM 9.3 <default clause> covers this case. The problem no longer exists and the ballot comment was closed.

10.89. NLD-P04-208 (Seq#1324)

OPEN.

10.90. NLD-P04-209 (Seq#1325)

This problem is related to our changes in <item reference> and MODULE cursors. This problem only occurs in the archived version of SQL4/PSM. The ballot comment was closed.

10.91. NLD-P04-210 (Seq#1326)

See agenda item 10.90 (same problem). The ballot comment was closed.

10.92. NLD-P04-211 (Seq#1327)

Neither of these problem exist any longer. The ballot comment was closed.

10.93. NLD-P04-212 (Seq#1328)

LOCAL CURSORS in FOR statement fixed this problem. The ballot comment was closed.

10.94. NLD-P04-213 (Seq#1329)

Since MODULE level cursors are no longer in PSM this problem does not exists. The ballot comment was closed.

10.95. NLD-P04-214 (Seq#1330)

OPEN. We need to check if the syntax in SQL/Foundation Names and Identifiers needs to be cleaned up.

10.96. NLD-P04-215 (Seq#1331)

OPEN. We need to check that the correct type of qualification is used in SQL/PSM3.

10.97. NLD-P04-216 (Seq#1332)

This problem is obsolete and the comment was resolved.

10.98. NLD-P04-217 (Seq#1333)

This problem was fixed and the comment was resolved.

10.99. NLD-P04-218 (Seq#1334)

This problem was fixed by <item reference> paper by Fred and the comment was resolved.

10.100. NLD-P04-219 (Seq#1335)

PSM3 does not have MODULE variables and therefore this problem is obsolete and the comment was resolved.

10.101. NLD-P04-220 (Seq#1336)

OPEN.

10.102. NLD-P04-221 (Seq#1337)

The ballot comment was closed since it is a duplicate of another comment.

10.103. NLD-P04-222 (Seq#1338)

OPEN. This is a Language Opportunity.

10.104. NLD-P04-223 (Seq#1339)

OPEN. This item will be easy to fix in Brisbane.

10.105. NLD-P04-224 (Seq#1340)

OPEN. We need to define the SQL_PATH for dynamic SQL.

10.106. NLD-P04-225 (Seq#1341)

DBL CWB-117 was adopted unanimously. The adoption of DBL CWB-117 resolves NLD-P04-225 with no further action required.

10.107. NLD-P04-226 (Seq#1342)

OPEN.

10.108. NLD-P04-227 (Seq#1343)

OPEN.

10.109. NLD-P04-228 (Seq#1344)

OPEN. Solution to this problem will be to define an application range of class and subclass values.

10.110. NLD-P04-229 (Seq#1345)

PSM no longer includes DDL statements and therefore this problem is obsolete and the comment was closed.

10.111. NLD-P04-230 (Seq#1346)

PSM no longer includes DDL statements and therefore this problem is obsolete and the comment was closed.

10.112. NLD-P04-233 (Seq#1349)

<routine body> is in the Information Schema and therefore this problem is obsolete and the comment was closed.

10.113. NLD-P04-234 (Seq#1350)

PSM-060 was resolved by the separated <SQL-invoked procedure>s from <SQL-invoked routines> and therefore this problem is obsolete. The comment was closed.

10.114. NLD-P04-235 (Seq#1351)

OPEN.

10.115. CAN-P04-027 (Seq#1352)

Resolved by DBL CWB-146 in agenda item 10.22.

10.116. NLD-P04-236 (Seq#1353)

PSM no longer references <attribute ...> and therefore the problem is obsolete and the comment was closed.

10.117. NLD-P04-237 (Seq#1354)

Problem no longer exists because of the material in SQL/Framework and therefore the problem is obsolete and the comment was closed.

10.118. USA-P04-036 (Seq#1355)

Adopted editorially by the Editor. See also agenda item 9.87.

11. SQL/Bindings Topics

11.1. CAN-P05-001 (Seq#1356) (see comment)

Adopted editorially by the Editor.

11.2. CAN-P05-002 (Seq#1357) (see comment)

Adopted editorially by the Editor.

11.3. USA-P05-001 (Seq#1358) (see comment)

Adopted editorially by the Editor.

11.4. CAN-P05-003 (Seq#1359) (see comment)

Adopted editorially by the Editor.

11.5. USA-P05-002 (Seq#1360) (see comment)

Adopted editorially by the Editor.

11.6. CAN-P05-004 (Seq#1361) (see comment)

Adopted editorially by the Editor.

11.7. CAN-P05-005 (Seq#1362) (see comment)

See DBL CWB-126R1 in agenda item 8.32.

11.8. CAN-P05-007 (Seq#1363)

OPEN.

11.9. USA-P05-003 (Seq#1366) (see comment)

Adopted editorially by the Editor.

11.10. CAN-P05-006 (Seq#1367)

DBL CWB-098 was adopted unanimously.

11.11. GBR-P05-004 (Seq#1368)

OPEN.

11.12. USA-P05-004 (Seq#1369) (see comment)

Adopted editorially by the Editor.

11.13. USA-P05-005 (Seq#1370) (see comment)

Adopted editorially by the Editor.

11.14. GBR-P05-005 (Seq#1371)

Adopted editorially by the Editor.

11.15. GBR-P05-006 (Seq#1372)

Adopted editorially by the Editor.

11.16. CAN-P05-008 (Seq#1373)

Adopted editorially by the Editor.

11.17. DEU-P05-002 (Seq#1374)

OPEN.

11.18. GBR-P05-008 (Seq#1377)

See DBL CWB-126R1 in agenda item 8.32.

11.19. CAN-P05-009 (Seq#1378)

See DBL CWB-126R1 in agenda item 8.32.

11.20. USA-P05-007 (Seq#1379)

See DBL CWB-126R1 in agenda item 8.32.

11.21. GBR-P05-009 (Seq#1381)

OPEN.

11.22. USA-P05-008 (Seq#1383)

OPEN.

11.23. CAN-P05-010 (Seq#1384)

Adopted editorially by the Editor.

11.24. USA-P05-009 (Seq#1385) (see comment)

See DBL CWB-126R1 in agenda item 8.32.

11.25. CAN-P05-011 (Seq#1386)

See DBL CWB-126R1 in agenda item 8.32.

11.26. GBR-P05-011 (Seq#1387)

OPEN.

11.27. USA-P05-010 (Seq#1388)

OPEN.

11.28. USA-P05-011 (Seq#1389) (see comment)

Adopted editorially by the Editor.

11.29. USA-P05-012 (Seq#1390) (see comment)

May overlap with DBL CWB-020.

DBL BBN-027

OPEN.

11.30. DEU-P05-003 (Seq#1391)

OPEN.

11.31. USA-P05-013 (Seq#1392) (see comment)

Adopted editorially by the Editor.

11.32. CAN-P05-012 (Seq#1393) (see comment)

Adopted editorially by the Editor.

11.33. DEU-P05-004 (Seq#1394)

Adopted editorially by the Editor.

11.34. GBR-P05-012 (Seq#1395)

OPEN.

11.35. USA-P05-014 (Seq#1396)

See DBL CWB-155 in agenda item 9.112.

11.36. CAN-P05-013 (Seq#1397)

Adopted editorially by the Editor.

11.37. CAN-P05-014 (Seq#1398)

OPEN.

11.38. CAN-P05-015 (Seq#1399)

See DBL CWB-126R1 in agenda item 8.32.

11.39. GBR-P05-013 (Seq#1400)

OPEN.

11.40. USA-P05-015 (Seq#1401) (see comment)

See DBL CWB-126R1 in agenda item 8.32.

11.41. JPN-P05-096 (Seq#1402) (see comment)

Adopted editorially by the Editor.

11.42. GBR-P05-014 (Seq#1403) (see comment)

Adopted editorially by the Editor.

11.43. USA-P05-016 (Seq#1404) (see comment)

This area was covered by DBL CWB-081. USA-P05-016 was deemed resolved with no further action required.

11.44. USA-P05-017 (Seq#1405)

OPEN.

11.45. DEU-P05-005 (Seq#1406) (see comment)

USA-P02-132 (Seq#0371) (see agenda item 9.233) made <interval qualifier> mandatory in 6.5 <interval value expression>. Therefore the solution was rejected. DEU-P05-05 was deemed resolved with no further action required.

11.46. DEU-P05-006 (Seq#1407)

OPEN.

11.47. USA-P05-018 (Seq#1408) (see comment)

Adopted unanimously.

11.48. DEU-P05-001 (Seq#1409) (see comment)

Adopted editorially by the Editor.

11.49. CAN-P05-016 (Seq#1410) (see comment)

Adopted editorially by the Editor.

11.50. USA-P05-019 (Seq#1411) (see comment)

Adopted editorially by the Editor.

11.51. GBR-P05-015 (Seq#1412)

OPEN.

11.52. CAN-P05-017 (Seq#1413) (see comment)

Adopted editorially by the Editor.

11.53. USA-P05-020 (Seq#1414)

Adopted editorially by the Editor.

11.54. GBR-P05-016 (Seq#1416)

Adopted editorially by the Editor.

11.55. GBR-P05-017 (Seq#1417)

Adopted editorially by the Editor.

11.56. CAN-P05-018 (Seq#1418)

Adopted editorially by the Editor.

11.57. USA-P05-021 (Seq#1419) (see comment)

Adopted editorially by the Editor.

11.58. DEU-P05-007 (Seq#1420)

OPEN.

11.59. USA-P05-022 (Seq#1421) (see comment)

Adopted editorially by the Editor.

11.60. CAN-P05-019 (Seq#1422) (see comment)

Adopted editorially by the Editor.

11.61. GBR-P05-019 (Seq#1424)

Adopted editorially by the Editor.

11.62. USA-P05-023 (Seq#1427)

OPEN.

DBL BBN-027

11.63. USA-P05-024 (Seq#1428)
CAN-P05-020 (Seq#1430) (partial)
GBR-P05-021 (Seq#1431)
USA-P05-026 (Seq#1432)
NLD-P05-238 (Seq#1435)
DEU-P05-011 (Seq#1452)
GBR-P05-023 (Seq#1453)
NLD-P05-242 (Seq#1531)
NLD-P05-244 (Seq#1533) (see also comment) (CWB-082)

DBL CWB-082R1 was adopted unanimously. Adoption of DBL CWB-082R1 resolved the listed ballot comments except for GBR-P05-021 (Seq#1431) and GBR-P05-023 (Seq#1453).

Action item 16: Hugh Darwen and Paul Cotton to research if the BOOLEAN data type needs to be mentioned in SQL/Bindings 13.5 <set descriptor statement>. See DBL CWB-082 and agenda item 11.63.

Action item 17: Paul Cotton and Judy Dillman to propose syntax in DESCRIBE that would permit an existing SQL92 application to obtain a descriptor with no subordinate entries for backwards compatibility. See DBL CWB-082 and agenda item 11.63.

Action item 18: Paul Cotton and Judy Dillman will deal with the identified problems in DBL CWB-082:
a) Section 3.1.4.5, proposed GR 12) g)i)1)b) “by applying this sub-rule” is not clear
b) Section 3.1.3, what is the default value of LEVEL if it is not specified?
See DBL CWB-082 and agenda item 11.63.

11.64. USA-P05-025 (Seq#1429)
USA-P05-028 (Seq#1438)
USA-P05-031 (Seq#1445) (CWB-054)

DBL CWB-054 was amended as follows:

- a) Section 1.1.1, change “zero or more” to “one or more”
- b) Section 1.2.6 was withdrawn
- c) Section 1.4.1, change in SR 2, <simple target specification 1> to <simple value specification 1>
- d) Section 1.4.2, change SR 4 <simple target specification 2> to <simple value specification 2>

DBL CWB-054 was adopted unanimously as amended. Adoption of DBL CWB-054 resolves the following ballot comments:

- a) USA-P05-025 (Seq#1429)
- b) USA-P05-038 (Seq#1438)
- c) JPN-P05-045 (Seq#1434)
- d) CAN-P05-024 (Seq#1443)
- e) CAN-P05-023 (Seq#1446)

11.65. DEU-P05-008 (Seq#1433)

OPEN.

11.66. JPN-P05-045 (Seq#1434)

See DBL CWB-154 in agenda item 11.64.

11.67. USA-P05-027 (Seq#1436)

OPEN.

11.68. CAN-P05-021 (Seq#1437) (see comment)

The solution in this comment overlaps with DBL CWB-082.

OPEN.

11.69. DEU-P05-019 (Seq#1440) (see comment)

Amended as follows:

- a) change the first change to read “LENGTH is the implementation-defined length for the REF data type”.
- b) change the second change to read “valid length for the BINARY LARGE OBJECT data type”

Adopted unanimously as amended.

11.70. CAN-P05-022 (Seq#1441)

Adopted editorially by the Editor.

**11.71. USA-P05-029 (Seq#1442)
USA-P05-031 (Seq#1445) (see also 11.64)
USA-P05-032 (Seq#1448) (CWB-021)**

DBL CWB-021 was modified as follows:

- a) In section 1.1.1, change the second sentence to read

Adopted unanimously as amended. Adoption of DBL CWB-021 resolves the following ballot comments:

- a) USA-P05-029 (Seq#1442)

Note that USA-P05-048 (Seq#1448) had already been resolved by other actions.

In order to solve DEU-P05-009 (Seq#1447), USA proposed an amendment to DBL CWB-021:

- a) in section 1.1.1, General Rule 7/8 add another sentence before the Case: “The value retrieved by a <get descriptor statement> for any field whose value is undefined is implementation-dependent.”

The amendment to DBL CWB-021 was adopted unanimously in order to resolve DUE-P05-009 (Seq#1147).

USA-P05-045 OPEN.

USA-P05-032 was resolved by the resolution of GBR-P05-022 (Seq#1451) in agenda item 7.141.

11.72. CAN-P05-024 (Seq#1443) (see comment)

See DBL CWB-054 in agenda item 11.64.

11.73. USA-P05-030 (Seq#1444)

OPEN.

11.74. CAN-P05-023 (Seq#1446) (see comment)

See DBL CWB-054 in agenda item 11.64.

11.75. DEU-P05-009 (Seq#1447)

See DBL CWB-021 and agenda item 11.71.

11.76. USA-P05-033 (Seq#1454)

OPEN.

11.77. DEU-P05-010 (Seq#1455)

OPEN.

DBL BBN-027

11.78. USA-P05-034 (Seq#1456) USA-P05-036 (Seq#1459) (CWB-018)

DBL CWB-018 was adopted unanimously. Adoption of DBL CWB-018 resolved the following ballot comments:

- a) USA-P05-034 (Seq#1456)
- b) USA-P05-036 (Seq#1459)
- c) NLD-P04-195 (Seq#1309) (partial)

11.79. USA-P05-037 (Seq#1457) (CWB-052)

Canada opposed the adoption of DBL CWB-052 at this time since it completely changes the model of determining the data type and validity of dynamic parameter markers. Canada stated that it felt very uncomfortable making this type of change at FCD time even though it sympathized with the intent of the paper. Canada stated that this paper would be better handled in the SQL4 time frame.

For: Japan, USA

Against: Canada, Germany, Netherlands, UK

Abstain: None

Motion failed (2-4-0)

This ballot comment is left OPEN.

Action item 19: Paul Cotton volunteered to work with USA experts on the problems identified DBL CWB-052 so that they can be solved using the existing model in SQL/Binding 13.6 <prepare statement>. In addition Paul would be interested in applying the new model proposed in this paper in the SQL4 time frame.

11.80. USA-P05-035 (Seq#1458)

OPEN.

11.81. DEU-P05-012 (Seq#1460)

OPEN.

11.82. GBR-P05-025 (Seq#1461)

OPEN.

11.83. CAN-P05-025 (Seq#1462) (see comment)

Adopted editorially by the Editor.

11.84. CAN-P05-026 (Seq#1463)

Adopted editorially by the Editor.

11.85. CAN-P05-027 (Seq#1465)

Adopted editorially by the Editor.

11.86. GBR-P05-027 (Seq#1466)

DBL CWB-122 was adopted unanimously. Adoption of DBL CWB-122 resolved the following ballot comments:

- 1) GBR-P05-027 (Seq#1466)
- 2) GBR-P05-028 (Seq#1467)
- 3) GBR-P05-034 (Seq#1500)
- 4) GBR-P05-035 (Seq#1501)
- 5) NLD-P05-244 (Seq#1533)

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6) NLD-P05-245 (Seq#1534) (also addressed by DBL CWB-019)

7) NLD-P05-248 (Seq#1538)

11.87. GBR-P05-028 (Seq#1467)

OPEN.

11.88. GBR-P05-026 (Seq#1468) (see comment)

The editing meeting decided that there was no problem with the base document in 13.7 <deallocate prepared statement> SR 1). Resolved with no further change.

11.89. USA-P05-038 (Seq#1470)

USA-P05-040 (Seq#1477) (CWB-020)

DBL CWB-020 was adopted without opposition. Adoption of DBL CWB-020 resolved the following ballot comments:

a) Seq#1470 USA-P05-038

b) Seq#1477 USA-P05-040

c) Seq#1475 JPN-P05-046 (the solution in DBL CWB-020 was adopted instead of the solution in this comment)

11.90. CAN-P05-028 (Seq#1471)

OPEN.

11.91. CAN-P05-029 (Seq#1472)

See agenda item 11.96.

11.92. CAN-P05-030 (Seq#1473)

See agenda item 11.96.

11.93. CAN-P05-031 (Seq#1474)

See agenda item 11.96.

11.94. JPN-P05-046 (Seq#1475) (see comment)

See agenda item 11.89 for discussion of DBL CWB-020.

11.95. USA-P05-039 (Seq#1476) (see comment)

Adopted unanimously.

11.96. USA-P05-041 (Seq#1478)

USA-P05-042 (Seq#1479) (CWB-019)

DBL CWB-019 was adopted unanimously. Adoption of DBL CWB-019 resolved the following ballot comments:

a) USA-P05-041 (Seq#1478)

b) USA-P05-042 (Seq#1479)

c) CAN-P05-029 (Seq#1472)

d) CAN-P05-031 (Seq#1474)

e) CAN-P05-032 (Seq#1489) (overrides the solution in this comment)

f) CAN-P05-030 (Seq#1473)

11.97. USA-P05-043 (Seq#1480) (CWB-027)

DBL CWB-027 proposes to add rules for execution of “retrieval assignment” which are already being executed from the General Rules of <dynamic fetch statement> that is calling the <using clause>. This problem is handled by DBL CWB-056.

DBL BBN-027

DBL CWB-056 was amended as follows:

- a) in section 1.2.1, proposed rule GR n): change “contained” to “immediately contained”
- b) in section 1.2.1, after proposed rule GR n) add the following two rules from SQL/Bindings Subclause 13.10, General Rules 8)d) second and third paragraph which cover the execution of <preparable dynamic delete statement: positioned> and the <preparable dynamic update statement: positioned>.

DBL CWB-027 and the amended DBL CWB-056 were adopted unanimously as amended. Adoption of these papers resolves the following ballot comments:

- a) Seq#1480 USA-P05-043
- b) Seq#1490 USA-P05-046
- c) Seq#1491 USA-P05-047

11.98. USA-P05-044 (Seq#1481) (CWB-055)

DBL CWB-055 was withdrawn and will be submitted again for Brisbane. This paper heavily overlaps with DBL CWB-126 which completely overhauls the definition of locators in SQL/Foundation and SQL/Bindings. This paper was also withdrawn since it had an unfortunate side affect of forcing the casting of all data types which was previously avoided in the case of input/output of locators.

Action item 20: Paul Cotton volunteered to work with Judy Dillman to rewrite DBL CWB-055 for the Brisbane meeting to ensure it is aligned with DBL CWB-126 and does not contain the current unfortunate side affect. See agenda item 11.98.

OPEN.

11.99. USA-P05-045 (Seq#1482)

OPEN.

11.100. JPN-P05-053 (Seq#1487) (see comment)

Adopted editorially by the Editor.

11.101. CAN-P05-032 (Seq#1489) (see comment)

See agenda item 11.96.

11.102. USA-P05-046 (Seq#1490) USA-P05-047 (Seq#1491) (see also comment) (CWB-056)

See DBL CWB-056 in agenda item 11.97.

11.103. GBR-P05-029 (Seq#1492)

OPEN.

11.104. GBR-P05-030 (Seq#1493)

OPEN.

11.105. DEU-P05-013 (Seq#1494)

OPEN.

11.106. GBR-P05-031 (Seq#1495)

OPEN.

11.107. DEU-P05-014 (Seq#1498)

OPEN.

11.108. NLD-P05-239 (Seq#1499)

OPEN.

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11.109. GBR-P05-034 (Seq#1500)

See DBL CWB-122 in agenda item 11.86.

11.110. GBR-P05-035 (Seq#1501)

See DBL CWB-122 in agenda item 11.86.

11.111. USA-P05-048 (Seq#1502)

OPEN.

11.112. USA-P05-049 (Seq#1503)

OPEN.

11.113. USA-P05-050 (Seq#1504)

OPEN.

11.114. CAN-P05-033 (Seq#1505)

See agenda item 11.139.

11.115. CAN-P05-034 (Seq#1506)

See DBL CWB-049 and CWB-097 in agenda item 9.900.

11.116. CAN-P05-035 (Seq#1507)

OPEN.

11.117. USA-P05-051 (Seq#1508)

See agenda item 11.139.

11.118. USA-P05-052 (Seq#1509)

OPEN.

11.119. GBR-P05-037 (Seq#1510) (see comment)

Adopted editorially by the Editor.

11.120. DEU-P05-015 (Seq#1511) (see comment)

See agenda item 11.139.

11.121. GBR-P05-036 (Seq#1514)

OPEN.

11.122. CAN-P05-036 (Seq#1515) (see comment)

Adopted editorially by the Editor.

11.123. USA-P05-053 (Seq#1516)

OPEN.

11.124. CAN-P05-037 (Seq#1517) (see comment)

Adopted editorially by the Editor.

11.125. CAN-P05-038 (Seq#1518)

OPEN.

11.126. USA-P05-054 (Seq#1519)

See DBL CWB-029 in agenda item 9.890.

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11.127. CAN-P05-041 (Seq#1523)

See agenda item DBL CWB-126R1 in agenda item 8.32.

11.128. CAN-P05-042 (Seq#1524)

OPEN.

11.129. CAN-P05-044 (Seq#1526)

OPEN.

11.130. CAN-P05-045 (Seq#1527)

OPEN.

11.131. ITA-P05-001 (Seq#1528)

See DBL CWB-013R1, DBL CWB-015R1, DBL CWB-058R1, DBL CWB-059R1 and DBL CWB-060R1 in agenda item 9.808.

11.132. NLD-P05-245 (Seq#1534)

Resolved by DBL CWB-122. See agenda item 11.86.

11.133. NLD-P05-246 (Seq#1536)

OPEN.

11.134. NLD-P05-247 (Seq#1537)

See DBL CWB-049 and DBL CWB-097 in agenda item 9.900.

11.135. USA-P05-055 (Seq#1535)

OPEN.

11.136. NLD-P05-248 (Seq#1538)

Resolved by DBL CWB-122. See agenda item 11.86.

11.137. NLD-P05-249 (Seq#1540)

OPEN.

11.138. NLD-P05-250 (Seq#1541)

Adopted editorially by the Editor.

11.139. GBR-P05-038 (Seq#1539)

DBL CWB-114 was amended as follows:

- a) Section 2.1, the rule being remove is GR 4)v).
- b) Section 2.3, several minor spelling errors in the table were noted.
- c) Section 2.4, the title of the new clause X.1, should be “<prepare statement>
- d) Section 2.4, the tag on GR 1) should be [Augments GR4)]”
- e) Section 2.5, the tags on the first 3 Syntax Rules should be [Insert this SR].
- f) Section 2.5, the new proposed CR should be “1) [Insert this CR] A <statement or declaration> shall not specify an <SQL variable declaration>.

Adopted unanimously amended. Adoption of DBL CWB-114 resolved the following ballot comments:

- 1) GBR-P05-038 (Seq#1539)
- 2) CAN-P05-033 (Seq#1505)
- 3) USA-P05-051 (Seq#1508)
- 4) DEU-P05-015 (Seq#1511)
- 5) GBR-P05-001 (Seq#1544)

11.140. NLD-P05-241 (Seq#1530)

OPEN.

11.141. NLD-P05-251 (Seq#1542)

OPEN.

11.142. NLD-P05-240 (Seq#1529)

OPEN.

11.143. GBR-P05-001 (Seq#1544)

See agenda item 11.139.

12. Multiple parts**12.1. GBR-P99-002 (Seq#1545)**

OPEN.

12.2. GBR-P99-003 (Seq#1546)

Adopted editorially by the Editor.

12.3. GBR-P99-001 (Seq#1547)

OPEN.

12.4. GBR-P99-004 (Seq#1548) (see comment)

OPEN.

13. Levelling

A general discussion was held on Levelling/Conformance in which each National Body presented an overview of its position on the levelling of SQL3.

The USA presented its overview as outlined in DBL CWB-079. Japan stated that their position as identified in DBL CWB-062 and DBL CWB-063 was developed through 3-4 meetings since the first CD ballot. Germany pointed out that their position on levelling was mentioned in their opening comments. UK indicated that their position is outlined in DBL CWB-072. Canada stated that while it was necessary to keep the “vendors” participating by having a Core SQL that more than one vendor could conform to, it was equally important that the committee start working faster to produce a SQL standard more often than every 6 years.

13.1. JPN-P01-002 (Seq#0067) (CWB-063)

The USA responded to DBL CWB-063 by suggesting that this type of requirement would be better met by starting an International Standards Profile (ISP) project within SC 32/ WG 3. Therefore this ballot comment was resolved with the promise that a new work item proposal for an ISP project be brought forward to the Brisbane RG meeting.

13.2. JPN-P01-001 (Seq#0068) (CWB-062)

The meeting considered each of the Japanese proposals separately in DBL CWB-062:

For adding Feature 211 (F421) to Core SQL:

For: Japan

Against: Canada, Netherlands, USA

Abstain: Germany , UK

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Motion failed (1-4-2).

For adding Feature 259 (T121) to Core SQL:

For: Germany, Japan, UK

Against:

Abstain: Canada, Netherlands

Motion passed (3-1-2)

The Editor noted that this motion would require the splitting of the current T121 feature into two sub-features to ensure that the SQL Feature information can correctly reflect the division of this feature.

For removing Feature 254 (T041-5) (non-holdable LOB locators) out of Core SQL:

For: Japan

Against: Canada, Germany, Netherlands, USA

Abstain: Brazil, UK

Motion failed (1-4-2)

For removing Feature 339 (O232) (array locators) out of Core SQL:

This was effectively decided under agenda item 13.6 when Arrays were withdrawn from Core SQL.

13.3. CAN-P01-020 (Seq#0073)

OPEN.

13.4. USA-P02-062 (Seq#0222)

OPEN.

13.5. USA-P02-113 (Seq#0343)

OPEN.

13.6. USA-P02-238 (Seq#0763)

USA-P02-273 (Seq#0837)

USA-P02-384 (Seq#1186) (CWB-079)
(CWB-080)

DBL CWB-079 and DBL CWB-023 were noted.

DBL CWB-080 was tabled.

Netherlands moved to divide the question on DBL CWB-080 so that each point could be discussed separately. UK seconded.

For: Netherlands, Japan, UK

Against: Canada, USA

Abstain: Germany, Brazil

Motion passed (3-2-2)

The discussion then proceeded on each of the numbered items 5 - 16 in DBL CWB-080.

5. Arrays

Section 5 of DBL CWB-080 was adopted unanimously.

6. CASCADE option of <drop behaviour>

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Section 6 of DBL CWB-080 was adopted without objection.

7. Referential delete actions

Section 7 of DBL CWB-080:

For: Canada, Germany, Japan, USA

Against: Netherlands

Abstain: Brazil, UK

Motion passed (4-1-0).

8. Privilege tables

Section 8 of DBL CWB-080:

For: Canada, Germany, Japan, USA

Against: Netherlands, UK

Abstain: None

Motion passed (4-2-0)

9. Transaction isolation levels other than SERIALIZABLE

Section 9 of DBL CWB-080 was adopted unanimously.

10. Scrollable cursors

Section 10 of DBL CWB-080:

For: Canada, Japan, Netherlands, USA

Against: None

Abstain: Germany, UK

Motion adopted without objection.

11. UNIQUE constraints of nullable columns

Section 11 of DBL CWB-080:

For: Canada, Germany, USA

Against: Netherlands

Abstain: Brazil, UK

Motion adopted (3-1-2).

12. Bracketed comments

Section 12 of DBL CWB-080:

For: Canada, Japan, Germany, Netherlands, USA

Against: UK

Abstain: Brazil

Motion adopted (5-1-1)

13. ALTER TABLE ... DROP COLUMN

Section 13 of DBL CWB-080:

For: Brazil, Canada, Japan, Germany, Netherlands, USA

Against: None

Abstain: UK

Motion adopted (6-1-1)

14. REVOKE

DBL BBN-027

Section 14 of DBL CWB-080:

For: Brazil, Canada, Japan, Germany, Netherlands, UK, USA

Against: None

Abstain: None

Motion adopted (7-0-0)

15. Triggers

Section 15 of DBL CWB-080:

For: Canada, Japan, Germany, UK, USA

Against: Brazil, Netherlands

Abstain: None

Motion adopted (5-2-0)

16. SQL-invoked routines

Section 16 of DBL CWB-080:

For: Brazil, Canada, Japan, Netherlands, USA

Against: None

Abstain: UK

Motion adopted (6-0-1)

Adoption of the above motions (and DBL CWB-080) resolved the following ballot comments:

a) Seq#0763 USA-P02-238

b) Seq#0837 USA-P02-273

c) Seq#1186 USA-P02-384

13.7. USA-P02-326 (Seq#0947) (see comment)

Adopted unanimously.

Action item 21: Fred Zemke to review the possibility of relaxing this new Conformance Rule proposed in USA-P02-326 (Seq#0947) to permit the specification of correlation names. See agenda item 13.7.

13.8. USA-P02-360 (Seq#1025)

OPEN.

13.9. CAN-P02-124 (Seq#1070)

OPEN.

13.10. USA-P02-377 (Seq#1179)

OPEN.

13.11. USA-P02-384 (Seq#1186) (CWB-023)

DBL CWB-023 was noted. See agenda item 13.6.

13.12. GBR-P05-018 (Seq#1423)

OPEN.

13.13. CAN-P05-039 (Seq#1520)

OPEN.

13.14. CAN-P05-040 (Seq#1522)

OPEN.

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13.15. CAN-P05-043 (Seq#1525)

OPEN.

14. National Body Closing Comments**14.1. Australia**

No closing comments.

14.2. Brazil

Brazil is very please to have been able to host the SQL FCD editing. Brazil is please to see the progress made at this meeting and hopes that WG3 will return to Brazil in the future. Brazil will continue its participation in the WG3 projects.

14.3. Canada

Canada is pleased with the progress made at the current SQL editing meeting even though so many of its ballot comments remain unresolved.

On the other hand, Canada is quite concerned with the impact on SQL/MM of some of the changes made to SQL during the editing meeting. Canada plans to help to ensure that this information is conveyed immediately to SQL/MM experts so that they can make the necessary and timely changes to the SQL/MM documents especially for the parts under Final Committee Draft ballot.

Canada is willing to participate in a continuation editing meeting since Canada feels that this is the best way to achieve a standard as quickly as possible.

14.4. China

No closing comments.

14.5. Czech Republic

No closing comments.

14.6. Finland

No closing comments.

14.7. France

No closing comments.

14.8. Germany

Germany is pleased with the progress made at the Curitiba meeting, especially with problems Germany has repeatedly pointed to in the past.

We hope that the outstanding work will have less impact on the SQL/MM Standards under development.

Germany agrees that the Editing Meeting needs to be continued and remains determined to the cooperate in the work that still needs to be done.

14.9. Italy

No closing comments.

14.10. Japan

Japan is pleased with the progress at the FCD editing meeting even though there are over 500 comments remaining. Japan is disappointed that its NATIONAL CHARACTER proposal was not approved. Japan hopes that we can complete the FCD in Brisbane so that SQL3 can be a standard in the 1998 timeframe.

14.11. Korea

No closing comments.

14.12. Netherlands

The Netherlands is greatly encouraged by the resolution of over 1000 comments, it believes that we need to continue to strive for resolution of ALL remaining comments in an continuation editing meeting Brisbane if we wish to avoid the need for a third CD ballot. We believe that this is possible if the positive atmosphere of this meeting and the obvious dedication of all participants is continued at such a continuation meeting.

14.13. Norway

No closing comments.

14.14. Sweden

No closing comments.

14.15. United Kingdom

We have no doubt that the Curitiba meeting will long stand out in the annals of SQL standardization. We do not particularly wish to talk about national bodies, except to welcome Italy's confirmed arrival, Japan's return and Brazil's excellent and unusual contribution as our host. Every individual delegate has made an outstanding contribution within an atmosphere of cooperation that brings the present writer back to Kawagoe, Japan, January 1992. Amazingly, we think that having resolved nigh on 1000 comments, we can indeed see the light at the end of tunnel after all. These 1000 resolutions are of course a result of the outstanding individual contributions, but above all they are a consequence of Steve's excellent planning and management and of the quite incredible hosting efforts of Vanderlei and his colleagues.

14.16. United States

USA is happy with the progress made at this Editing meeting, especially with the large number of comments that were successfully resolved.

USA is pleased with the hard work every body put in to write a large number of significant papers during the nights and weekends and the spirit of cooperation and consensus that prevailed during the meeting. USA is also pleased that its position on the content of Core SQL3 was largely accepted. We are now hopeful that a significant number of vendors will sign up to develop core SQL3-conformant products in a reasonable time after the adoption of the standard.

USA recognizes that there are a still large number of unresolved comments and the hard work that still lies ahead to address these. We hope to work on solutions for these remaining problems in conjunction with other national bodies to achieve a successful resolution and publish the standard as soon as possible.

USA thanks Brazil for hosting the meeting and for making sure that we had excellent meeting conditions.

15. Recommendations

15.1. Preparation of Revised Texts

The editing meeting recommended the following tentative future schedule:

Apr 6	Publication of FCD editing meeting minutes (Paul), ballot disposition documents (Jim) and all papers written or revised at the meeting (Stephen)
May 19	Publication of interim SQL3 FCD documents on WG3 document server
June 22 - July 10	Reconvene SQL3 FCD continuation editing meeting and reach consensus
Sept 15	Revised SQL3 documents available
Oct 15	CLI document available for FCD ballot
Nov 1 - Feb 28	CLI FCD ballot (4 months)
Nov 2 - Nov 6	Tentative WG3 meeting or FCD continuation editing meeting
April - May, 99	SC32 meeting in Japan

15.2. Disposition of Comments Report

The FCD editing meeting believes that these minutes (DBL BBN-027) and a revised version of the DBL CWB-009R1 “Consolidated SQL3 FCD Comments” (DBL BBN-028) can act as the interim disposition of comments report.

15.3. Recommendation Regarding Progression

Canada proposed that the SQL FCD editing meeting be *continued* in order to facilitate reaching a consensus on the outstanding 546 ballot comments not yet resolved by the editing meeting. Seconded by Germany.

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

Against: None

Motion adopted unanimously (6-0)

Canada moved that the *continued* SQL FCD meeting be held from Monday June 22 through Friday July 10 before and during the SC32 Plenary meetings in Brisbane, Australia. The Editor hopes to provide revised SQL FCD documents in sufficient time for consideration at this meeting. Seconded by USA.

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

Against: None

Motion adoption unanimously (6-0)

Canada moved to request that Stephen Cannan, chairman of the FCD editing meeting make a request of the SC32 Secretariat to have a continued SQL FCD editing meeting before and during the SC32 Plenary in the June-July 1998 timeframe. Seconded by United Kingdom.

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

Against: None

Motion adopted unanimously (6-0)

16. Action Items

16.1. Outstanding action items

Action item 1: Krishna Kulkarni to provide a solution to USA-P01-009 (Seq#0016). See DBL CWB-047 and agenda item 8.15.

Action item 2: Nelson Mattos to provide the Editor with direction to determine how to change each occurrence of “abstract data type” and “named row type”. See agenda item 8.35 USA-P01-015 (Seq#0036).

DBL BBN-027

Action item 3: Hugh Darwen to review his change in Section DBL CWB-043 Section 2.2. that defines “three data types” to determine if the addition of a new data type has broken any text e.g. “not a predefined data type”. See agenda item 9.58.

Action item 4: Hugh Darwen to produce a revised version of DBL CWB-043 for the Editor. See agenda item 9.58.

Action item 5: Paul Cotton and Fred Zemke to check if there are any Information Schema implications of DBL CWB-024. See SQL/Foundation Subclause 19.3.7 DATA_TYPE_DESCRIPTOR Definition DATA_TYPE_CHECK_COMBINATIONS which refers to ‘TIME’ and ‘TIMESTAMP’ without ‘WITHOUT TIME ZONE’. See agenda item 9.123.

Action item 6: Fred Zemke will ensure that any incompatibility between the change described in DBL CWB-026 Section 2.1 is not incompatible with the changes adopted by DBL LGW-142. See agenda item 9.126.

Action item 7: Canada to check Information Schema for REF type characteristics including SYSTEM-GENERATED and SCOPE.

Action item 8: Paul Cotton and Nelson Mattos to research the solution in CAN-P02-076 (Seq#0670). See agenda item 9.467.

Action item 9: Peter Pistor to determine the overlap of the solution in GBR-P02-236 (Seq#0691) with DBL CWB-073. See agenda item 9.486.

Action item 10: Krishna Kulkarni to resolve the overlap between GBR-P02-307 and DBL CWB-049. See agenda item 9.634.

Action item 11: Hugh Darwen will investigate the solution supplied for GBR-P02-330 (Seq#0929). See agenda item 9.690.

Action item 12: USA to review LHR-114 “Moving instead of trigger to SQL4 ” to determine why it added the “offending” text. See agenda item 9.716. DEU-P02-012 (Seq#0964).

Action item 13: Krishna Kulkarni will attempt to finalize the solution to GBR-P02-307 (Seq#865). See agenda item 9.900.

Action item 14: Paul Cotton to research this problem identified in GBR-P02-352 (Seq#1210) in more detail. See agenda item 9.932.

Action item 15: Fred Zemke to review Seq#1322 NLD-P04-206. See agenda item 10.87.

Action item 16: Hugh Darwen and Paul Cotton to research if the BOOLEAN data type needs to be mentioned in SQL/Bindings 13.5 <set descriptor statement>. See DBL CWB-082 and agenda item 11.63.

Action item 17: Paul Cotton and Judy Dillman to propose syntax in DESCRIBE that would permit an existing SQL92 application to obtain a descriptor with no subordinate entries for backwards compatibility. See DBL CWB-082 and agenda item 11.63.

Action item 18: Paul Cotton and Judy Dillman will deal with the identified problems in DBL CWB-082:
a) Section 3.1.4.5, proposed GR 12) g)i)1)b) “by applying this sub-rule” is not clear
b) Section 3.1.3, what is the default value of LEVEL if it is not specified?
See DBL CWB-082 and agenda item 11.63.

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Action item 19: Paul Cotton volunteered to work with USA experts on the problems identified DBL CWB-052 so that they can be solved using the existing model in SQL/Binding 13.6 <prepare statement>. In addition Paul would be interested in applying the new model proposed in this paper in the SQL4 time frame.

Action item 20: Paul Cotton volunteered to work with Judy Dillman to rewrite DBL CWB-055 for the Brisbane meeting to ensure it is aligned with DBL CWB-126 and does not contain the current unfortunate side affect. See agenda item 11.98.

Action item 21: Fred Zemke to review the possibility of relaxing this new Conformance Rule proposed in USA-P02-326 (Seq#0947) to permit the specification of correlation names. See agenda item 13.7.

16.2. Areas of concentration

The experts at the editing meeting indicated their interests in the following areas of outstanding work:

Topic No	Description	Person
1	Access control	Stephen, Luigi
2	REF types	Andrew E, Nelson, Paul
3	Dynamic SQL	Judy Dillman, Paul
4	Routine invocation	Nelson
5	Underlying tables	Hugh, (Andrew?)
6	Updatability	Peter, Hugh
7	Triggers	Krishna
8	Descriptors and Information Schema	Baba Piprani
9	User-defined types	Nelson, Krishna
10	PSM	Paul
11	Bindings (not dynamic SQL)	Paul
12	Datetime type	Fred
13	<table reference>	Fred
14	<assignment statement> and <set clause>	Paul
15	Framework	
16	Predicates	Fred, Jim
17	Conformance	Tsuchida, Fred
18	Module language	
19	Locators	Krishna, Paul

17. Adjourn

The FCD editing meeting expresses it thanks to Vanderlie V. Ortencio, the Brazilian delegation and the sponsoring organizations for its wonderful meeting facilities in Curitiba, Brazil. The meeting facilities and the meeting services (e.g. photocopying, PC computer facilities, coffee and snacks, etc.) were of the very highest standard and permitted the editing meeting to achieve significant results.

The meeting adjourned at 3:00 PM on Friday April 3.

Appendix A Final Agenda

FCD EDITING MEETINGS
ISO/IEC FCD 9075-1 — SQL/Framework
ISO/IEC FCD 9075-2 — SQL/Foundation
ISO/IEC FCD 9075-4— SQL/Persistent Stored Modules
ISO/IEC FCD 9075-5 — SQL/Bindings
ISO/IEC JTC1/SC32
16th March – 3rd April, 1998
Curitiba, Brazil

1. Introduction Of Participants
2. Distribution Of Documents
3. Selection Of Secretary And Resolution Recorder
4. Approval Of Agenda
5. Administrative Matters
 - 5.1. FCD 9075-1 SQL Part 1: Framework - October 1997 (SC32 N0001, SC21 N11137, CWB-001)
 - 5.2. FCD 9075-2 SQL Part 2: Foundation - October 1997 (SC32 N0002, SC21 N11106 CWB-002)
 - 5.3. FCD 9075-4 SQL Part 4: Persistent Stored Modules - October 1997 (SC32 N0003, SC21 N11138, CWB-003)
 - 5.4. FCD 9075-5 SQL Part 5: Bindings - October 1997 (SC32 N0004, SC21 N11107, CWB-004)
 - 5.5. Summary of Voting on CD 9075-1 (SC32 N0070, CWB-089)
 - 5.6. Summary of Voting on CD 9075-2 (SC32 N0063, CWB-006)
 - 5.7. Summary of Voting on CD 9075-4 (SC32 N0074, CWB-090)
 - 5.8. Summary of Voting on CD 9075-5 (SC32 N0064, CWB-007)
 - 5.9. Format for Ballot Comments (CWB-010)
 - 5.10. Calling Notice for SQL FCD Editing Meeting (SC32 N0025, CWB-008)
 - 5.11. Consolidated ballot comments (CWB-009R1)
 - 5.12. Convenor's Definition of Consensus
6. National Body Opening Comments
 - 6.1. Australia
 - 6.2. Brazil
 - 6.3. Canada
 - 6.4. China
 - 6.5. Czech Republic
 - 6.6. Finland
 - 6.7. France
 - 6.8. Germany
 - 6.9. Italy
 - 6.10. Japan
 - 6.11. Korea
 - 6.12. Netherlands
 - 6.13. Norway
 - 6.14. Sweden
 - 6.15. United Kingdom (CWB-072)
 - 6.16. United States
7. Ballot Comments already Processed by the Editor
 - 7.1. USA-P01-007 (Seq#0010)
 - 7.2. NLD-P01-001 (Seq#0084)
 - 7.3. GBR-P02-002 (Seq#0097)
 - 7.4. GBR-P02-003 (Seq#0098) (see comment)

- 7.5. GBR-P02-005 (Seq#0100) (see comment)
- 7.6. GBR-P02-008 (Seq#0123)
- 7.7. GBR-P02-015 (Seq#0147) (see comment)
- 7.8. GBR-P02-023 (Seq#0174) (see comment)
(see also 9.74. GBR-P02-057 (Seq#0273) (CWB-068))
- 7.9. GBR-P02-025 (Seq#0176) (see comment)
- 7.10. GBR-P02-030 (Seq#0189)
- 7.11. JPN-P02-003 (Seq#0191) (see comment)
- 7.12. GBR-P02-034 (Seq#0197) (see comment)
- 7.13. GBR-P02-036 (Seq#0200) (see comment)
- 7.14. JPN-P02-006 (Seq#0203) (see comment)
- 7.15. GBR-P02-040 (Seq#0206)
- 7.16. JPN-P02-005 (Seq#0207) (see comment)
- 7.17. GBR-P02-047 (Seq#0257)
- 7.18. GBR-P02-048 (Seq#0258)
- 7.19. USA-P02-081 (Seq#0260) (see comment)
- 7.20. USA-P02-084 (Seq#0264)
- 7.21. GBR-P02-053 (Seq#0265)
- 7.22. GBR-P02-054 (Seq#0266) (see comment)
- 7.23. JPN-P02-096 (Seq#0271) (see comment)
- 7.24. GBR-P02-056 (Seq#0272) (see comment)
- 7.25. CAN-P02-026 (Seq#0278)
- 7.26. GBR-P02-058 (Seq#0279) (see comment)
- 7.27. GBR-P02-061 (Seq#0288) (see comment)
- 7.28. GBR-P02-063 (Seq#0292) (see comment)
- 7.29. GBR-P02-064 (Seq#0298)
- 7.30. USA-P02-097 (Seq#0299) (see comment)
- 7.31. GBR-P02-071 (Seq#0319) (see comment)
- 7.32. GBR-P02-084 (Seq#0363)
- 7.33. GBR-P02-101 (Seq#0398) (see comment)
- 7.34. GBR-P02-102 (Seq#0404) (see comment)
- 7.35. GBR-P02-103 (Seq#0405)
- 7.36. GBR-P02-104 (Seq#0406) (see comment)
- 7.37. USA-P02-141 (Seq#0407)
- 7.38. GBR-P02-126 (Seq#0459) (see comment)
- 7.39. GBR-P02-127 (Seq#0460) (see comment)
- 7.40. GBR-P02-131 (Seq#0465) (see comment)
- 7.41. GBR-P02-132 (Seq#0466)
- 7.42. GBR-P02-136 (Seq#0476) (see comment)
- 7.43. GBR-P02-145 (Seq#0500) (see comment)
- 7.44. GBR-P02-152 (Seq#0507) (see comment)
- 7.45. GBR-P02-153 (Seq#0508) (see comment)
- 7.46. GBR-P02-159 (Seq#0536) (see comment)
- 7.47. GBR-P02-160 (Seq#0537)
- 7.48. JPN-P02-013 (Seq#0538) (see comment)
- 7.49. JPN-P02-014 (Seq#0539) (see comment)
- 7.50. JPN-P02-015 (Seq#0540) (see comment)
- 7.51. JPN-P02-016 (Seq#0541) (see comment)
- 7.52. JPN-P02-087 (Seq#0542) (see comment)
- 7.53. JPN-P02-083 (Seq#0543) (see comment)
- 7.54. JPN-P02-084 (Seq#0544) (see comment)
- 7.55. JPN-P02-085 (Seq#0545) (see comment)
- 7.56. JPN-P02-086 (Seq#0546) (see comment)
- 7.57. JPN-P02-088 (Seq#0547) (see comment)

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- 7.58. JPN-P02-089 (Seq#0548) (see comment)
- 7.59. GBR-P02-168 (Seq#0562)
- 7.60. GBR-P02-173 (Seq#0563) (see comment)
- 7.61. GBR-P02-178 (Seq#0572) (see comment)
- 7.62. GBR-P02-177 (Seq#0574) (see comment)
- 7.63. USA-P02-203 (Seq#0575)
- 7.64. GBR-P02-180 (Seq#0576) (see comment)
- 7.65. GBR-P02-179 (Seq#0577) (see comment)
- 7.66. GBR-P02-182 (Seq#0590) (see comment)
- 7.67. GBR-P02-184 (Seq#0591) (see comment)
- 7.68. GBR-P02-186 (Seq#0595) (see comment)
- 7.69. GBR-P02-188 (Seq#0621) (see comment)
- 7.70. GBR-P02-189 (Seq#0622) (see comment)
- 7.71. GBR-P02-191 (Seq#0623) (see comment)
- 7.72. GBR-P02-211 (Seq#0647)
- 7.73. GBR-P02-212 (Seq#0648) (see comment)
- 7.74. GBR-P02-217 (Seq#0654) (see comment)
- 7.75. GBR-P02-241 (Seq#0700) (see comment)
- 7.76. CAN-P02-078 (Seq#0706)
- 7.77. GBR-P02-249 (Seq#0707) (see comment)
- 7.78. GBR-P02-254 (Seq#0723) (see comment)
- 7.79. GBR-P02-277 (Seq#0756) (see comment)
- 7.80. GBR-P02-278 (Seq#0757) (see comment)
- 7.81. GBR-P02-285 (Seq#0774) (see comment)
- 7.82. GBR-P02-291 (Seq#0818) (see comment)
- 7.83. GBR-P02-299 (Seq#0858)
- 7.84. JPN-P02-022 (Seq#0859) (see comment)
- 7.85. USA-P02-286 (Seq#0860) (see comment)
- 7.86. GBR-P02-308 (Seq#0870) (see comment)
- 7.87. GBR-P02-309 (Seq#0871) (see comment)
- 7.88. GBR-P02-312 (Seq#0880) (see comment)
- 7.89. JPN-P02-024 (Seq#0881) (see comment)
- 7.90. JPN-P02-029 (Seq#0916)
- 7.91. USA-P02-314 (Seq#0923) (see comment)
- 7.92. JPN-P02-032 (Seq#0924)
- 7.93. USA-P02-350 (Seq#1002) (see comment)
- 7.94. GBR-P02-342 (Seq#1019) (see comment)
- 7.95. GBR-P02-343 (Seq#1020) (see comment)
- 7.96. GBR-P02-344 (Seq#1021)
- 7.97. GBR-P02-345 (Seq#1045) (see comment)
- 7.98. GBR-P02-348 (Seq#1050) (see comment)
- 7.99. JPN-P02-060 (Seq#1054) (see comment)
- 7.100. JPN-P02-061 (Seq#1055) (see comment)
- 7.101. JPN-P02-062 (Seq#1056) (see comment)
- 7.102. JPN-P02-063 (Seq#1057) (see comment)
- 7.103. JPN-P02-092 (Seq#1060) (see comment)
- 7.104. GBR-P02-354 (Seq#1211)
- 7.105. JPN-P04-004 (Seq#1223) (see comment)
- 7.106. JPN-P04-120 (Seq#1224) (see comment)
- 7.107. JPN-P04-121 (Seq#1227) (see comment)
- 7.108. JPN-P04-010 (Seq#1238) (see comment)
- 7.109. JPN-P04-021 (Seq#1246) (see comment)
- 7.110. JPN-P04-090 (Seq#1247) (see comment)
- 7.111. JPN-P04-037 (Seq#1259) (see comment)

- 7.112. JPN-P04-038 (Seq#1270) (see comment)
- 7.113. JPN-P04-041 (Seq#1272) (see comment)
- 7.114. JPN-P04-042 (Seq#1273)
- 7.115. JPN-P04-039 (Seq#1274) (see comment)
- 7.116. JPN-P04-122 (Seq#1278) (see comment)
- 7.117. JPN-P04-055 (Seq#1280) (see comment)
- 7.118. JPN-P04-058 (Seq#1281)
- 7.119. CAN-P04-019 (Seq#1282)
- 7.120. JPN-P04-064 (Seq#1284) (see comment)
- 7.121. JPN-P04-065 (Seq#1286) (see comment)
- 7.122. JPN-P04-069 (Seq#1293) (see comment)
- 7.123. JPN-P04-071 (Seq#1294) (see comment)
- 7.124. JPN-P04-072 (Seq#1295) (see comment)
- 7.125. JPN-P04-067 (Seq#1296) (see comment)
- 7.126. JPN-P04-068 (Seq#1297) (see comment)
- 7.127. JPN-P04-070 (Seq#1298) (see comment)
- 7.128. NLD-P04-232 (Seq#1348)
- 7.129. GBR-P05-002 (Seq#1364) (see comment)
- 7.130. GBR-P05-003 (Seq#1365) (see comment)
- 7.131. USA-P05-006 (Seq#1375) (see comment)
- 7.132. DEU-P05-016 (Seq#1376) (see comment)
- 7.133. GBR-P05-007 (Seq#1380)
- 7.134. GBR-P05-010 (Seq#1382) (see comment)
- 7.135. DEU-P05-017 (Seq#1415) (see comment)
- 7.136. GBR-P05-020 (Seq#1425) (see comment)
- 7.137. JPN-P05-044 (Seq#1426) (see comment)
- 7.138. DEU-P05-018 (Seq#1439) (see comment)
- 7.139. DEU-P05-020 (Seq#1449) (see comment)
- 7.140. DEU-P05-021 (Seq#1450) (see comment)
- 7.141. GBR-P05-022 (Seq#1451) (see comment)
- 7.142. GBR-P05-024 (Seq#1464) (see comment)
- 7.143. JPN-P05-051 (Seq#1469)
- 7.144. JPN-P05-047 (Seq#1483) (see comment)
- 7.145. JPN-P05-049 (Seq#1484) (see comment)
- 7.146. JPN-P05-050 (Seq#1485) (see comment)
- 7.147. JPN-P05-052 (Seq#1486) (see comment)
- 7.148. JPN-P05-091 (Seq#1488) (see comment)
- 7.149. GBR-P05-032 (Seq#1496) (see comment)
- 7.150. GBR-P05-033 (Seq#1497) (see comment)
- 7.151. DEU-P05-022 (Seq#1512) (see comment)
- 7.152. DEU-P05-023 (Seq#1513) (see comment)
- 7.153. JPN-P05-093 (Seq#1521)
- 7.154. NLD-P05-252 (Seq#1543)
- 8. SQL/Framework Topics
 - 8.1. USA-P01-001 (Seq#0001) (see comment)
 - 8.2. USA-P01-002 (Seq#0002) (see comment)
 - 8.3. USA-P01-003 (Seq#0003)
 - 8.4. USA-P01-004 (Seq#0004)
 - 8.5. USA-P01-005 (Seq#0005)
 - 8.6. USA-P01-006 (Seq#0006)
 - 8.7. DEU-P01-001 (Seq#0007)
 - 8.8. CAN-P01-010 (Seq#0008)
 - 8.9. CAN-P01-002 (Seq#0009) (see comment)
 - 8.10. CAN-P01-003 (Seq#0011) (see comment)

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- 8.11. USA-P01-008 (Seq#0012) (see comment)
- 8.12. CAN-P01-005 (Seq#0013) (see comment)
- 8.13. CAN-P01-006 (Seq#0014)
- 8.14. CAN-P01-004 (Seq#0015)
- 8.15. USA-P01-009 (Seq#0016) (CWB-047)
- 8.16. DEU-P01-002 (Seq#0017) (see comment)
- 8.17. USA-P01-010 (Seq#0018)
- 8.18. DEU-P01-003 (Seq#0019) (see comment)
- 8.19. DEU-P01-004 (Seq#0020) (see comment)
- 8.20. DEU-P01-005 (Seq#0021) (see comment)
- 8.21. DEU-P01-006 (Seq#0022) (see comment)
- 8.22. USA-P01-011 (Seq#0023) (see also comment)
- USA-P02-009 (Seq#0108)
- USA-P02-010 (Seq#0109)
- USA-P02-011 (Seq#0110)
- USA-P02-012 (Seq#0111)
- USA-P02-017 (Seq#0116)
- USA-P02-018 (Seq#0117)
- USA-P02-019 (Seq#0118)
- USA-P02-058 (Seq#0216)
- USA-P02-111 (Seq#0336)
- USA-P02-112 (Seq#0337)
- USA-P02-161 (Seq#0450)
- USA-P02-201 (Seq#0564)
- USA-P02-229 (Seq#0714)
- USA-P02-230 (Seq#0715)
- USA-P02-231 (Seq#0716)
- USA-P02-232 (Seq#0726) (see also comment)
- USA-P02-233 (Seq#0727)
- USA-P02-234 (Seq#0743)
- USA-P02-235 (Seq#0744) (see also comment)
- USA-P02-236 (Seq#0745)
- USA-P02-382 (Seq#1184)
- USA-P04-008 (Seq#1219) (CWB-051)
- 8.23. DEU-P01-007 (Seq#0024) (see comment)
- 8.24. DEU-P01-008 (Seq#0025) (see comment)
- 8.25. DEU-P01-009 (Seq#0026) (see comment)
- 8.26. USA-P01-012 (Seq#0027)
- 8.27. DEU-P01-010 (Seq#0028) (see comment)
- 8.28. DEU-P01-011 (Seq#0029) (see comment)
- 8.29. DEU-P01-012 (Seq#0030) (see comment)
- 8.30. DEU-P01-013 (Seq#0031) (see comment)
- 8.31. DEU-P01-014 (Seq#0032) (see comment)
- 8.32. DEU-P01-015 (Seq#0033) (see comment)
- 8.33. USA-P01-013 (Seq#0034)
- 8.34. USA-P01-014 (Seq#0035) (see comment)
- 8.35. USA-P01-015 (Seq#0036)
- 8.36. USA-P01-016 (Seq#0037) (see comment)
- 8.37. CAN-P01-007 (Seq#0038)
- 8.38. DEU-P01-016 (Seq#0039) (see comment)
- 8.39. USA-P01-017 (Seq#0040)
- 8.40. USA-P01-018 (Seq#0041) (see comment)
- 8.41. USA-P01-019 (Seq#0042) (see comment)
- 8.42. USA-P01-020 (Seq#0043) (see comment)

- 8.43. USA-P01-021 (Seq#0044) (see comment)
- 8.44. USA-P01-022 (Seq#0045) (see comment)
- 8.45. CAN-P01-008 (Seq#0046) (see comment)
- 8.46. CAN-P01-009 (Seq#0047) (see comment)
- 8.47. CAN-P01-011 (Seq#0048) (see comment)
- 8.48. USA-P01-023 (Seq#0049) (see comment)
- 8.49. USA-P01-024 (Seq#0050) (see comment)
- 8.50. CAN-P01-012 (Seq#0051) (see comment)
- 8.51. USA-P01-025 (Seq#0052)
- 8.52. CAN-P01-013 (Seq#0053)
- 8.53. CAN-P01-014 (Seq#0054) (see comment)
- 8.54. DEU-P01-017 (Seq#0055) (see comment)
- 8.55. USA-P01-026 (Seq#0056) (see comment)
- 8.56. CAN-P01-015 (Seq#0057)
- 8.57. USA-P01-027 (Seq#0058) (see comment)
- 8.58. USA-P01-028 (Seq#0059) (see comment)
- 8.59. CAN-P01-016 (Seq#0060) (see comment)
- 8.60. USA-P01-029 (Seq#0061) (see comment)
- 8.61. GBR-P01-001 (Seq#0062)
- 8.62. CAN-P01-017 (Seq#0063)
- 8.63. USA-P01-030 (Seq#0064) (see comment)
- 8.64. USA-P01-031 (Seq#0065)
- 8.65. DEU-P01-018 (Seq#0066) (see comment)
- 8.66. USA-P01-032 (Seq#0069) (see comment)
- 8.67. CAN-P01-018 (Seq#0070)
- 8.68. CAN-P01-019 (Seq#0071)
- 8.69. USA-P01-033 (Seq#0072)
- 8.70. CAN-P01-021 (Seq#0074)
- 8.71. CAN-P01-022 (Seq#0075)
- 8.72. USA-P01-034 (Seq#0076)
- 8.73. USA-P01-035 (Seq#0077)
- 8.74. USA-P01-036 (Seq#0078) (see comment)
- 8.75. CAN-P01-023 (Seq#0079)
- 8.76. CAN-P01-001 (Seq#0080)
- 8.77. CAN-P01-024 (Seq#0081)
- 8.78. CAN-P01-025 (Seq#0082)
- 8.79. ITA-P01-001 (Seq#0083)
- 8.80. USA-P01-037 (Seq#0085)
- 8.81. USA-P01-038 (Seq#0086)
- 9. SQL/Foundation Topics
 - 9.1. CAN-P02-001 (Seq#0087) (see comment)
 - 9.2. CAN-P02-002 (Seq#0088) (see comment)
 - 9.3. USA-P02-001 (Seq#0089) (see comment)
 - NLD-P02-090 (Seq#1085)
 - NLD-P02-150 (Seq#1145)
 - NLD-P02-151 (Seq#1146)
 - NLD-P02-155 (Seq#1150)
 - NLD-P02-180 (Seq#1193)
 - 9.4. USA-P02-002 (Seq#0090) (see comment)
 - 9.5. JPN-P02-001 (Seq#0091)
 - 9.6. NLD-P02-002 (Seq#0092)
 - 9.7. USA-P02-003 (Seq#0093)
 - 9.8. GBR-P02-001 (Seq#0094) (see comment)
 - 9.9. USA-P02-004 (Seq#0095) (see comment)

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- 9.10. USA-P02-005 (Seq#0096)
- 9.11. GBR-P02-004 (Seq#0099) (see comment)
- 9.12. GBR-P02-006 (Seq#0101)
- 9.13. NLD-P02-003 (Seq#0102)
- 9.14. NLD-P02-004 (Seq#0103)
- 9.15. NLD-P02-005 (Seq#0104)
- 9.16. USA-P02-006 (Seq#0105)
- 9.17. USA-P02-007 (Seq#0106)
- 9.18. USA-P02-008 (Seq#0107)
- 9.19. USA-P02-013 (Seq#0112)
- 9.20. USA-P02-014 (Seq#0113)
- 9.21. USA-P02-015 (Seq#0114)
- 9.22. USA-P02-016 (Seq#0115)
- 9.23. CAN-P02-003 (Seq#0119)
- 9.24. USA-P02-020 (Seq#0120)
- 9.25. NLD-P02-006 (Seq#0121)
- 9.26. GBR-P02-007 (Seq#0122)
- 9.27. GBR-P02-009 (Seq#0124)
- 9.28. USA-P02-021 (Seq#0125) (see comment)
- 9.29. GBR-P02-010 (Seq#0126)
- 9.30. GBR-P02-011 (Seq#0127)
- 9.31. CAN-P02-004 (Seq#0128)
- 9.32. USA-P02-022 (Seq#0129)
- 9.33. USA-P02-023 (Seq#0130)
- 9.34. USA-P02-024 (Seq#0131)
- 9.35. USA-P02-025 (Seq#0132)
- 9.36. USA-P02-026 (Seq#0133) (see comment)
- 9.37. GBR-P02-012 (Seq#0134) (see comment)
- 9.38. USA-P02-027 (Seq#0135)
- 9.39. GBR-P02-013 (Seq#0137) (see comment)
- 9.40. GBR-P02-014 (Seq#0138) (CWB-070)
- 9.41. NLD-P02-007 (Seq#0139)
- 9.42. CAN-P02-005 (Seq#0140)
- 9.43. USA-P02-029 (Seq#0141) (CWB-086)
- 9.44. USA-P02-030 (Seq#0142)
- 9.45. USA-P02-031 (Seq#0143) (see comment)
- 9.46. USA-P02-032 (Seq#0144)
- 9.47. FRA-P02-001 (Seq#0145)
- 9.48. USA-P02-033 (Seq#0146)
- 9.49. GBR-P02-016 (Seq#0148) (partially done editorially)
- 9.50. USA-P02-034 (Seq#0149)
- 9.51. USA-P02-035 (Seq#0150) (see comment)
- 9.52. CAN-P02-006 (Seq#0151)
- 9.53. USA-P02-036 (Seq#0152) (see comment)
- 9.54. USA-P02-037 (Seq#0153) (see comment)
- 9.55. GBR-P02-017 (Seq#0154)
- 9.56. CAN-P02-007 (Seq#0155)
- 9.57. USA-P02-038 (Seq#0156)
- 9.58. USA-P02-028 (Seq#0136)
- USA-P02-040 (Seq#0158)
- USA-P02-041 (Seq#0159)USA-P02-154 (Seq#0442)
- USA-P02-187 (Seq#0515) (see also comment)
- GBR-P02-358 (Seq#1074) (CWB-043 – not 136 or 157)

(CWB-077 – 157 & 158 only)

(CWB-078 – 136 only)

- 9.59. USA-P02-039 (Seq#0157)
- 9.60. GBR-P02-018 (Seq#0160)
- 9.61. GBR-P02-019 (Seq#0161)
- 9.62. GBR-P02-020 (Seq#0162)
- 9.63. USA-P02-042 (Seq#0163)
- 9.64. CAN-P02-008 (Seq#0164)
- 9.65. USA-P02-043 (Seq#0165) (see comment)
- 9.66. GBR-P02-022 (Seq#0166)
- USA-P02-211 (Seq#0620)
- USA-P02-225 (Seq#0680)
- USA-P02-226 (Seq#0681) (CWB-039)
- 9.67. CAN-P02-009 (Seq#0167) (see comment)
- 9.68. CAN-P02-010 (Seq#0168)
- 9.69. GBR-P02-024 (Seq#0169)
- 9.70. USA-P02-044 (Seq#0170) (see comment)
- 9.71. USA-P02-045 (Seq#0171) (see comment)
- 9.72. GBR-P02-021 (Seq#0172)
- 9.73. USA-P02-046 (Seq#0173) (see comment)
- 9.74. GBR-P02-057 (Seq#0273) (CWB-068)
- 9.75. USA-P02-047 (Seq#0175)
- 9.76. GBR-P02-026 (Seq#0177)
- 9.77. GBR-P02-027 (Seq#0178)
- 9.78. GBR-P02-028 (Seq#0179)
- 9.79. CAN-P02-011 (Seq#0180)
- 9.80. GBR-P02-029 (Seq#0181) (see comment)
- 9.81. USA-P02-048 (Seq#0182)
- 9.82. USA-P02-049 (Seq#0183)
- USA-P02-091 (Seq#0284)
- USA-P02-189 (Seq#0522) (partial)
- USA-P02-370 (Seq#1172) (CWB-048)
- (CWB-084)
- (CWB-087)
- 9.83. USA-P02-050 (Seq#0184)
- 9.84. USA-P02-051 (Seq#0185)
- 9.85. CAN-P02-012 (Seq#0186) (see comment)
- 9.86. CAN-P02-013 (Seq#0187)
- 9.87. USA-P02-052 (Seq#0188) (see comment)
- 9.88. GBR-P02-031 (Seq#0190)
- 9.89. CAN-P02-014 (Seq#0192)
- 9.90. USA-P02-053 (Seq#0193)
- 9.91. GBR-P02-032 (Seq#0194) (see comment)
- 9.92. GBR-P02-033 (Seq#0195)
- 9.93. USA-P02-054 (Seq#0196)
- 9.94. NLD-P02-008 (Seq#0198)
- 9.95. GBR-P02-035 (Seq#0199)
- 9.96. GBR-P02-037 (Seq#0201)
- 9.97. GBR-P02-038 (Seq#0202) (see comment)
- 9.98. USA-P02-055 (Seq#0204)
- USA-P02-088 (Seq#0276)
- USA-P02-089 (Seq#0277)
- USA-P02-092 (Seq#0285)
- 9.99. GBR-P02-039 (Seq#0205)

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- 9.100. GBR-P02-041 (Seq#0208) (see comment)
- 9.101. GBR-P02-043 (Seq#0209) (see comment)
- 9.102. GBR-P02-044 (Seq#0210) (see comment)
- 9.103. JPN-P02-110 (Seq#0211) (see comment)
- 9.104. JPN-P02-111 (Seq#0212) (see comment)
- 9.105. USA-P02-056 (Seq#0213)
- 9.106. GBR-P02-042 (Seq#0214)
- 9.107. USA-P02-057 (Seq#0215) (see comment)
- 9.108. CAN-P02-015 (Seq#0217)
- 9.109. CAN-P02-016 (Seq#0218) (see comment)
- 9.110. USA-P02-059 (Seq#0219) (see comment)
- 9.111. USA-P02-060 (Seq#0220)
- 9.112. USA-P02-061 (Seq#0221)
- 9.113. CAN-P02-017 (Seq#0223)
- 9.114. GBR-P02-045 (Seq#0224) (see comment)
- 9.115. NLD-P02-009 (Seq#0225)
- 9.116. USA-P02-063 (Seq#0226) (see comment)
- 9.117. USA-P02-064 (Seq#0227)
- 9.118. USA-P02-065 (Seq#0228)
- 9.119. CAN-P02-018 (Seq#0229)
- 9.120. CAN-P02-024 (Seq#0230)
- 9.121. FRA-P02-003 (Seq#0231)
- 9.122. FRA-P02-004 (Seq#0232)
- 9.123. USA-P02-066 (Seq#0233)
- USA-P02-069 (Seq#0236)
- FRA-P02-002 (Seq#0261)
- USA-P02-213 (Seq#0635)
- USA-P02-214 (Seq#0636)
- USA-P02-218 (Seq#0649)
- USA-P02-243 (Seq#0782) (CWB-024 – 234 only)
(CWB-085 – not 234)
- 9.124. USA-P02-067 (Seq#0234)
- 9.125. USA-P02-068 (Seq#0235)
- 9.126. USA-P02-070 (Seq#0237) (CWB-026)
- 9.127. USA-P02-071 (Seq#0238)
- 9.128. CAN-P02-019 (Seq#0239) (see comment)
- 9.129. CAN-P02-020 (Seq#0240) (see comment)
- 9.130. CAN-P02-021 (Seq#0241)
- 9.131. CAN-P02-022 (Seq#0242)
- 9.132. CAN-P02-023 (Seq#0243) (see comment)
- 9.133. GBR-P02-046 (Seq#0244)
- 9.134. GBR-P02-049 (Seq#0245)
- USA-P02-074 (Seq#0250) (CWB-036)
- 9.135. GBR-P02-050 (Seq#0246)
- 9.136. GBR-P02-051 (Seq#0247) (see comment)
- 9.137. USA-P02-072 (Seq#0248)
- 9.138. USA-P02-073 (Seq#0249)
- 9.139. USA-P02-075 (Seq#0251)
- 9.140. USA-P02-076 (Seq#0252) (see comment)
- 9.141. USA-P02-077 (Seq#0253) (see comment)
- 9.142. USA-P02-078 (Seq#0254)
- 9.143. USA-P02-079 (Seq#0255) (see comment)
- 9.144. USA-P02-080 (Seq#0256)
- 9.145. GBR-P02-052 (Seq#0259) (see comment)

- 9.146. USA-P02-082 (Seq#0262)
- 9.147. USA-P02-083 (Seq#0263)
- 9.148. CAN-P02-025 (Seq#0267)
- 9.149. GBR-P02-055 (Seq#0268) (see comment)
- 9.150. NLD-P02-010 (Seq#0269)
- 9.151. USA-P02-085 (Seq#0270) (see comment)
- 9.152. USA-P02-086 (Seq#0274)
- 9.153. USA-P02-087 (Seq#0275)
- 9.154. CAN-P02-027 (Seq#0280)
- 9.155. USA-P02-090 (Seq#0281)
- 9.156. DEU-P02-001 (Seq#0282) (see comment)
- 9.157. GBR-P02-059 (Seq#0283)
- 9.158. USA-P02-093 (Seq#0286)
- 9.159. GBR-P02-060 (Seq#0287)
- 9.160. USA-P02-094 (Seq#0289)
- 9.161. CAN-P02-028 (Seq#0290)
- 9.162. GBR-P02-062 (Seq#0291) (see comment)
- 9.163. CAN-P02-029 (Seq#0293)
- 9.164. FRA-P02-005 (Seq#0294)
- 9.165. GBR-P02-065 (Seq#0295)
- USA-P02-095 (Seq#0296)
- USA-P02-383 (Seq#1185) (CWB-069)
- 9.166. USA-P02-096 (Seq#0297)
- GBR-P02-207 (Seq#0630) (CWB-040)
- 9.167. GBR-P02-066 (Seq#0300) (see comment)
- 9.168. GBR-P02-067 (Seq#0301)
- 9.169. DEU-P02-003 (Seq#0302)
- 9.170. GBR-P02-068 (Seq#0303) (see comment)
- 9.171. NLD-P02-011 (Seq#0304)
- 9.172. USA-P02-098 (Seq#0305)
- 9.173. USA-P02-099 (Seq#0306) (CWB-025)
- 9.174. USA-P02-100 (Seq#0307)
- 9.175. USA-P02-101 (Seq#0308)
- 9.176. USA-P02-102 (Seq#0309)
- 9.177. USA-P02-103 (Seq#0310)
- 9.178. USA-P02-104 (Seq#0311)
- 9.179. CAN-P02-030 (Seq#0312)
- 9.180. DEU-P02-002 (Seq#0313) (see comment)
- 9.181. GBR-P02-069 (Seq#0314)
- 9.182. GBR-P02-070 (Seq#0315) (see comment)
- 9.183. USA-P02-105 (Seq#0316)
- 9.184. USA-P02-106 (Seq#0317) (see comment)
- 9.185. GBR-P02-072 (Seq#0318)
- 9.186. GBR-P02-074 (Seq#0320)
- 9.187. USA-P02-107 (Seq#0321)
- 9.188. USA-P02-108 (Seq#0322) (see comment)
- 9.189. CAN-P02-031 (Seq#0323)
- 9.190. CAN-P02-032 (Seq#0324)
- 9.191. CAN-P02-033 (Seq#0325)
- 9.192. CAN-P02-034 (Seq#0326) (see comment)
- 9.193. GBR-P02-075 (Seq#0327)
- 9.194. GBR-P02-076 (Seq#0328) (see comment)
- 9.195. GBR-P02-077 (Seq#0329) (see comment)
- 9.196. USA-P02-109 (Seq#0330)

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- 9.197. USA-P02-110 (Seq#0331)
- 9.198. GBR-P02-073 (Seq#0332)
- 9.199. CAN-P02-035 (Seq#0333) (see comment)
- 9.200. CAN-P02-036 (Seq#0334) (see comment)
- 9.201. GBR-P02-078 (Seq#0335)
- 9.202. CAN-P02-037 (Seq#0338) (see comment)
- 9.203. CAN-P02-038 (Seq#0339) (see comment)
- 9.204. GBR-P02-079 (Seq#0340) (see comment)
- 9.205. GBR-P02-080 (Seq#0341)
- 9.206. GBR-P02-081 (Seq#0342) (see comment)
- 9.207. USA-P02-114 (Seq#0344)
- 9.208. USA-P02-115 (Seq#0345)
- 9.209. GBR-P02-082 (Seq#0346)
- 9.210. NLD-P02-012 (Seq#0347)
- 9.211. USA-P02-116 (Seq#0348)
- 9.212. USA-P02-117 (Seq#0349)
- 9.213. USA-P02-118 (Seq#0350)
- 9.214. USA-P02-119 (Seq#0351)
- 9.215. CAN-P02-039 (Seq#0352)
- 9.216. GBR-P02-083 (Seq#0353) (see comment)
- 9.217. USA-P02-120 (Seq#0354) (see comment)
- 9.218. USA-P02-121 (Seq#0355) (see comment)
- 9.219. USA-P02-122 (Seq#0356) (see comment)
- 9.220. USA-P02-123 (Seq#0357)
- 9.221. USA-P02-124 (Seq#0358)
- 9.222. USA-P02-125 (Seq#0359)
- 9.223. USA-P02-126 (Seq#0360)
- 9.224. USA-P02-127 (Seq#0361) (see comment)
- 9.225. USA-P02-128 (Seq#0362)
- 9.226. USA-P02-129 (Seq#0364)
- 9.227. USA-P02-130 (Seq#0365)
- 9.228. NLD-P02-013 (Seq#0366)
- 9.229. NLD-P02-014 (Seq#0367)
- 9.230. CAN-P02-040 (Seq#0368) (see comment)
- 9.231. GBR-P02-085 (Seq#0369)
- 9.232. USA-P02-131 (Seq#0370)
- 9.233. USA-P02-132 (Seq#0371) (see comment)
- 9.234. GBR-P02-086 (Seq#0372)
- 9.235. USA-P02-133 (Seq#0373) (see comment)
- 9.236. GBR-P02-087 (Seq#0374) (see comment)
- 9.237. USA-P02-134 (Seq#0375) (see comment)
- 9.238. USA-P02-135 (Seq#0376)
- 9.239. GBR-P02-088 (Seq#0377) (partial)
- GBR-P02-089 (Seq#0380) (CWB-034)
- 9.240. FRA-P02-006 (Seq#0378)
- 9.241. CAN-P02-041 (Seq#0379)
- 9.242. GBR-P02-090 (Seq#0381) (see comment)
- 9.243. GBR-P02-091 (Seq#0382)
- 9.244. USA-P02-136 (Seq#0383)
- 9.245. USA-P02-137 (Seq#0384)
- 9.246. GBR-P02-092 (Seq#0385) (see comment)
- 9.247. NLD-P02-015 (Seq#0386)
- 9.248. CAN-P02-042 (Seq#0387)
- 9.249. GBR-P02-093 (Seq#0388) (see comment)

9.250. USA-P02-138 (Seq#0389)
9.251. GBR-P02-094 (Seq#0390) (see comment)
9.252. GBR-P02-095 (Seq#0391) (see comment)
9.253. GBR-P02-096 (Seq#0392)
9.254. GBR-P02-097 (Seq#0393) (see comment)
9.255. USA-P02-139 (Seq#0394)
9.256. GBR-P02-098 (Seq#0395) (see comment)
9.257. GBR-P02-099 (Seq#0396) (see comment)
9.258. GBR-P02-100 (Seq#0397) (see comment)
9.259. GBR-P02-105 (Seq#0399)
9.260. GBR-P02-106 (Seq#0400)
9.261. GBR-P02-107 (Seq#0401) (see comment)
9.262. GBR-P02-108 (Seq#0402)
9.263. USA-P02-140 (Seq#0403)
9.264. CAN-P02-043 (Seq#0408) (see comment)
9.265. GBR-P02-109 (Seq#0409) (see comment)
9.266. USA-P02-142 (Seq#0410)
USA-P02-143 (Seq#0411) (CWB-046)
9.267. DEU-P02-004 (Seq#0412)
USA-P02-144 (Seq#0415)
GBR-P02-242 (Seq#0696) (CWB-075)
9.268. NLD-P02-016 (Seq#0413)
DEU-P02-005 (Seq#0430)
USA-P02-149 (Seq#0432)
NLD-P02-049 (Seq#0951)
NLD-P02-051 (Seq#0953)
NLD-P02-052 (Seq#0954)
DEU-P02-010 (Seq#0957)
USA-P02-333 (Seq#0960)
NLD-P02-053 (Seq#0961)
DEU-P02-013 (Seq#0965)
CAN-P02-108 (Seq#0973)
NLD-P02-065 (Seq#1008) (CWB-074)
9.269. NLD-P02-017 (Seq#0414)
9.270. USA-P02-145 (Seq#0416)
9.271. USA-P02-146 (Seq#0417)
9.272. CAN-P02-044 (Seq#0418)
9.273. CAN-P02-045 (Seq#0419)
9.274. GBR-P02-112 (Seq#0420)
9.275. GBR-P02-113 (Seq#0421) (see comment)
9.276. GBR-P02-114 (Seq#0422) (see comment)
9.277. USA-P02-147 (Seq#0423) (see comment)
9.278. GBR-P02-110 (Seq#0424) (see comment)
9.279. GBR-P02-111 (Seq#0425) (see comment)
9.280. GBR-P02-115 (Seq#0426)
9.281. GBR-P02-116 (Seq#0427)
9.282. GBR-P02-117 (Seq#0428)
9.283. FRA-P02-007 (Seq#0429)
9.284. USA-P02-148 (Seq#0431) (see comment)
9.285. DEU-P02-006 (Seq#0433) (see comment)
9.286. GBR-P02-118 (Seq#0434)
9.287. GBR-P02-119 (Seq#0435)
9.288. USA-P02-150 (Seq#0436)
9.289. GBR-P02-120 (Seq#0437) (see comment)

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- 9.290. GBR-P02-121 (Seq#0438) (see comment)
- 9.291. USA-P02-151 (Seq#0439) (see comment)
- 9.292. USA-P02-152 (Seq#0440) (see comment)
- 9.293. USA-P02-153 (Seq#0441)
- 9.294. USA-P02-155 (Seq#0443)
- 9.295. USA-P02-156 (Seq#0444) (see comment)
- 9.296. USA-P02-157 (Seq#0445)
- 9.297. USA-P02-158 (Seq#0446) (see comment)
- 9.298. USA-P02-160 (Seq#0447)
- 9.299. USA-P02-159 (Seq#0448)
- 9.300. GBR-P02-122 (Seq#0449) (see comment)
- 9.301. USA-P02-162 (Seq#0451) (see comment)
- 9.302. USA-P02-163 (Seq#0452) (see comment)
- 9.303. GBR-P02-123 (Seq#0453)
- 9.304. GBR-P02-125 (Seq#0454)
- 9.305. NLD-P02-018 (Seq#0455)
- 9.306. NLD-P02-019 (Seq#0456)
- 9.307. USA-P02-164 (Seq#0457)
- 9.308. GBR-P02-124 (Seq#0458)
- 9.309. GBR-P02-128 (Seq#0461)
- 9.310. GBR-P02-129 (Seq#0462)
- 9.311. GBR-P02-130 (Seq#0463)
- 9.312. USA-P02-165 (Seq#0464) (see comment)
- 9.313. GBR-P02-133 (Seq#0467)
- 9.314. GBR-P02-134 (Seq#0468) (see comment)
- 9.315. USA-P02-166 (Seq#0469)
- 9.316. GBR-P02-135 (Seq#0470) (see also comment)
- USA-P02-167 (Seq#0471)
- USA-P02-168 (Seq#0472)
- USA-P02-169 (Seq#0473)
- GBR-P02-137 (Seq#0474)
- GBR-P02-138 (Seq#0475) (CWB-083)
- 9.317. USA-P02-170 (Seq#0477)
- 9.318. NLD-P02-020 (Seq#0478)
- 9.319. USA-P02-171 (Seq#0479)
- 9.320. USA-P02-172 (Seq#0480)
- 9.321. USA-P02-173 (Seq#0481)
- 9.322. GBR-P02-142 (Seq#0482) (see comment)
- 9.323. GBR-P02-143 (Seq#0483) (see comment)
- 9.324. GBR-P02-144 (Seq#0484)
- 9.325. USA-P02-174 (Seq#0485) (see comment)
- 9.326. USA-P02-175 (Seq#0486)
- 9.327. USA-P02-176 (Seq#0487)
- 9.328. GBR-P02-139 (Seq#0488) (see comment)
- 9.329. GBR-P02-140 (Seq#0489) (see comment)
- 9.330. GBR-P02-141 (Seq#0490)
- 9.331. USA-P02-177 (Seq#0491)
- 9.332. USA-P02-178 (Seq#0492)
- 9.333. USA-P02-179 (Seq#0493)
- 9.334. USA-P02-180 (Seq#0494)
- 9.335. GBR-P02-146 (Seq#0495)
- 9.336. GBR-P02-147 (Seq#0496)
- 9.337. GBR-P02-148 (Seq#0497)
- 9.338. GBR-P02-149 (Seq#0498)

- 9.339. USA-P02-181 (Seq#0499)
- 9.340. USA-P02-182 (Seq#0501)
- 9.341. USA-P02-183 (Seq#0502)
- GBR-P02-151 (Seq#0504) (CWB-042)
- 9.342. CAN-P02-046 (Seq#0503)
- 9.343. GBR-P02-154 (Seq#0505)
- 9.344. USA-P02-184 (Seq#0506)
- 9.345. GBR-P02-150 (Seq#0509)
- 9.346. GBR-P02-155 (Seq#0510)
- 9.347. NLD-P02-021 (Seq#0511)
- 9.348. GBR-P02-156 (Seq#0512) (see comment)
- 9.349. USA-P02-185 (Seq#0513)
- 9.350. USA-P02-186 (Seq#0514)
- 9.351. USA-P02-188 (Seq#0516)
- 9.352. CAN-P02-048 (Seq#0517)
- 9.353. CAN-P02-047 (Seq#0518)
- 9.354. GBR-P02-157 (Seq#0519)
- 9.355. GBR-P02-158 (Seq#0520)
- 9.356. NLD-P02-022 (Seq#0521)
- 9.357. USA-P02-190 (Seq#0523)
- 9.358. USA-P02-191 (Seq#0524)
- 9.359. CAN-P02-049 (Seq#0525)
- 9.360. CAN-P02-050 (Seq#0526)
- 9.361. CAN-P02-051 (Seq#0527)
- 9.362. GBR-P02-162 (Seq#0528)
- 9.363. GBR-P02-163 (Seq#0529) (see comment)
- 9.364. GBR-P02-164 (Seq#0530) (see comment)
- 9.365. GBR-P02-165 (Seq#0531)
- 9.366. USA-P02-192 (Seq#0532) (see comment)
- 9.367. GBR-P02-161 (Seq#0533)
- 9.368. USA-P02-193 (Seq#0534)
- USA-P02-276 (Seq#0845) (CWB-050)
- 9.369. USA-P02-194 (Seq#0535) (see comment)
- 9.370. CAN-P02-052 (Seq#0549)
- 9.371. GBR-P02-169 (Seq#0550) (see comment)
- 9.372. GBR-P02-170 (Seq#0551)
- 9.373. USA-P02-195 (Seq#0552) (see comment)
- 9.374. GBR-P02-171 (Seq#0553) (see comment)
- 9.375. GBR-P02-172 (Seq#0554)
- 9.376. USA-P02-196 (Seq#0555) (see comment)
- 9.377. USA-P02-197 (Seq#0556)
- 9.378. USA-P02-198 (Seq#0557) (see comment)
- 9.379. USA-P02-199 (Seq#0558)
- 9.380. USA-P02-200 (Seq#0559) (see comment)
- 9.381. GBR-P02-166 (Seq#0560) (see comment)
- 9.382. GBR-P02-167 (Seq#0561) (see comment)
- 9.383. CAN-P02-053 (Seq#0565) (see comment)
- 9.384. GBR-P02-174 (Seq#0566) (see comment)
- 9.385. GBR-P02-175 (Seq#0567) (see comment)
- 9.386. JPN-P02-002 (Seq#0568)
- 9.387. JPN-P02-003 (Seq#0569)
- 9.388. NLD-P02-023 (Seq#0570)
- 9.389. USA-P02-202 (Seq#0571)
- 9.390. GBR-P02-176 (Seq#0573) (see comment)

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- 9.391. CAN-P02-054 (Seq#0578)
- 9.392. USA-P02-204 (Seq#0579)
- 9.393. JPN-P02-009 (Seq#0580)
- 9.394. CAN-P02-055 (Seq#0581) (see comment)
- 9.395. GBR-P02-181 (Seq#0582)
- 9.396. CAN-P02-056 (Seq#0583)
- 9.397. CAN-P02-057 (Seq#0584)
- 9.398. CAN-P02-058 (Seq#0585)
- 9.399. CAN-P02-059 (Seq#0586)
- 9.400. USA-P02-205 (Seq#0587)
- 9.401. GBR-P02-203 (Seq#0588) (see comment)
- 9.402. GBR-P02-183 (Seq#0589)
- 9.403. CAN-P02-060 (Seq#0592)
- 9.404. GBR-P02-185 (Seq#0593) (see comment)
- 9.405. GBR-P02-187 (Seq#0594) (see comment)
- 9.406. USA-P02-206 (Seq#0596)
- 9.407. USA-P02-207 (Seq#0597)
- 9.408. FRA-P02-009 (Seq#0598)
- 9.409. GBR-P02-190 (Seq#0599)
- 9.410. GBR-P02-196 (Seq#0600)
- 9.411. USA-P02-208 (Seq#0601)
- GBR-P02-192 (Seq#0610)
- GBR-P02-198 (Seq#0615) (CWB-035)
- 9.412. USA-P02-209 (Seq#0602)
- 9.413. CAN-P02-061 (Seq#0603)
- 9.414. CAN-P02-062 (Seq#0604) (see comment)
- 9.415. CAN-P02-063 (Seq#0605) (see comment)
- 9.416. CAN-P02-064 (Seq#0606) (see comment)
- 9.417. CAN-P02-065 (Seq#0607)
- 9.418. CAN-P02-066 (Seq#0608)
- 9.419. CAN-P02-067 (Seq#0609)
- 9.420. GBR-P02-193 (Seq#0611)
- 9.421. GBR-P02-194 (Seq#0612)
- 9.422. GBR-P02-195 (Seq#0613) (see comment)
- 9.423. GBR-P02-197 (Seq#0614)
- 9.424. GBR-P02-199 (Seq#0616)
- 9.425. GBR-P02-200 (Seq#0617) (see comment)
- 9.426. GBR-P02-202 (Seq#0618) (see comment)
- 9.427. USA-P02-210 (Seq#0619)
- 9.428. GBR-P02-201 (Seq#0624) (see comment)
- 9.429. FRA-P02-008 (Seq#0625)
- 9.430. GBR-P02-205 (Seq#0626) (see comment)
- 9.431. CAN-P02-068 (Seq#0627) (see comment)
- 9.432. GBR-P02-204 (Seq#0628)
- 9.433. GBR-P02-206 (Seq#0629)
- 9.434. GBR-P02-208 (Seq#0631) (see comment)
- 9.435. GBR-P02-209 (Seq#0632) (see comment)
- 9.436. GBR-P02-210 (Seq#0633)
- 9.437. USA-P02-212 (Seq#0634)
- 9.438. USA-P02-215 (Seq#0637)
- 9.439. USA-P02-216 (Seq#0638)
- 9.440. CAN-P02-069 (Seq#0639) (see comment)
- 9.441. CAN-P02-070 (Seq#0640) (see comment)
- 9.442. CAN-P02-071 (Seq#0641)

- 9.443. GBR-P02-213 (Seq#0642)
- 9.444. GBR-P02-214 (Seq#0643)
- 9.445. GBR-P02-215 (Seq#0644)
- 9.446. GBR-P02-216 (Seq#0645) (see comment)
- 9.447. USA-P02-217 (Seq#0646)
- 9.448. CAN-P02-072 (Seq#0650)
- 9.449. GBR-P02-218 (Seq#0651)
- 9.450. USA-P02-219 (Seq#0652)
- 9.451. USA-P02-220 (Seq#0653)
- 9.452. NLD-P02-024 (Seq#0655)
- 9.453. USA-P02-221 (Seq#0656)
- 9.454. GBR-P02-219 (Seq#0657)
- 9.455. GBR-P02-220 (Seq#0658)
- 9.456. GBR-P02-221 (Seq#0659)
- 9.457. NLD-P02-025 (Seq#0660)
- 9.458. GBR-P02-223 (Seq#0661)
- 9.459. CAN-P02-073 (Seq#0662)
- 9.460. GBR-P02-222 (Seq#0663)
- 9.461. GBR-P02-224 (Seq#0664)
- 9.462. USA-P02-222 (Seq#0665) (see comment)
- 9.463. GBR-P02-225 (Seq#0666)
- 9.464. GBR-P02-226 (Seq#0667)
- 9.465. CAN-P02-074 (Seq#0668)
- 9.466. CAN-P02-075 (Seq#0669) (see comment)
- 9.467. CAN-P02-076 (Seq#0670) (see comment)
- 9.468. GBR-P02-227 (Seq#0671) (see comment)
- 9.469. GBR-P02-228 (Seq#0672)
- 9.470. GBR-P02-230 (Seq#0673) (see comment)
- 9.471. GBR-P02-229 (Seq#0674) (see comment)
- 9.472. NLD-P02-026 (Seq#0675)
- 9.473. USA-P02-223 (Seq#0676)
- 9.474. USA-P02-224 (Seq#0677)
- 9.475. GBR-P02-231 (Seq#0678) (CWB-041)
- 9.476. GBR-P02-232 (Seq#0679)
- 9.477. USA-P02-227 (Seq#0682)
- 9.478. DEU-P02-007 (Seq#0683)
- 9.479. GBR-P02-233 (Seq#0684)
- 9.480. GBR-P02-234 (Seq#0685)
- 9.481. USA-P02-228 (Seq#0686)
- 9.482. GBR-P02-235 (Seq#0687) (CWB-071)
- 9.483. DEU-P02-008 (Seq#0688) (CWB-073)
- 9.484. NLD-P02-027 (Seq#0689)
- 9.485. NLD-P02-028 (Seq#0690)
- 9.486. GBR-P02-236 (Seq#0691) (see comment)
- 9.487. GBR-P02-237 (Seq#0692)
- 9.488. GBR-P02-238 (Seq#0693)
- 9.489. GBR-P02-239 (Seq#0694) (see comment)
- 9.490. GBR-P02-240 (Seq#0695)
- 9.491. GBR-P02-243 (Seq#0697)
- 9.492. GBR-P02-244 (Seq#0698)
- 9.493. NLD-P02-029 (Seq#0699)
- 9.494. GBR-P02-245 (Seq#0701)
- 9.495. GBR-P02-246 (Seq#0702)
- 9.496. GBR-P02-247 (Seq#0703)

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- 9.497. CAN-P02-077 (Seq#0704)
- 9.498. GBR-P02-248 (Seq#0705)
- 9.499. CAN-P02-079 (Seq#0708)
- 9.500. CAN-P02-080 (Seq#0709)
- 9.501. CAN-P02-081 (Seq#0710)
- 9.502. GBR-P02-250 (Seq#0711) (see comment)
- 9.503. GBR-P02-251 (Seq#0712)
- 9.504. GBR-P02-252 (Seq#0713)
- 9.505. CAN-P02-082 (Seq#0717)
- 9.506. GBR-P02-253 (Seq#0718) (see comment)
- 9.507. GBR-P02-255 (Seq#0719)
- 9.508. GBR-P02-256 (Seq#0720)
- 9.509. JPN-P02-004 (Seq#0721)
- 9.510. NLD-P02-030 (Seq#0722)
- 9.511. GBR-P02-257 (Seq#0724)
- 9.512. GBR-P02-260 (Seq#0725)
- 9.513. CAN-P02-083 (Seq#0728)
- 9.514. GBR-P02-258 (Seq#0729) (see comment)
- 9.515. GBR-P02-259 (Seq#0730) (see comment)
- 9.516. GBR-P02-261 (Seq#0731) (see comment)
- 9.517. GBR-P02-262 (Seq#0732)
- 9.518. GBR-P02-263 (Seq#0733)
- 9.519. GBR-P02-264 (Seq#0734)
- 9.520. NLD-P02-031 (Seq#0735)
- 9.521. GBR-P02-265 (Seq#0736)
- 9.522. GBR-P02-266 (Seq#0737)
- 9.523. GBR-P02-267 (Seq#0738)
- 9.524. GBR-P02-268 (Seq#0739)
- 9.525. JPN-P02-005 (Seq#0740)
- 9.526. GBR-P02-269 (Seq#0741)
- 9.527. GBR-P02-271 (Seq#0742)
- 9.528. CAN-P02-084 (Seq#0746)
- 9.529. GBR-P02-270 (Seq#0747)
- 9.530. GBR-P02-272 (Seq#0748)
- 9.531. GBR-P02-273 (Seq#0749)
- 9.532. GBR-P02-274 (Seq#0750)
- 9.533. CAN-P02-085 (Seq#0751)
- 9.534. GBR-P02-275 (Seq#0752)
- 9.535. CAN-P02-086 (Seq#0753) (see comment)
- 9.536. GBR-P02-276 (Seq#0754) (see comment)
- 9.537. DEU-P02-009 (Seq#0755) (see comment)
- 9.538. GBR-P02-279 (Seq#0758) (see comment)
- 9.539. CAN-P02-087 (Seq#0759) (see comment)
- 9.540. JPN-P02-008 (Seq#0760)
- 9.541. NLD-P02-032 (Seq#0761)
- 9.542. USA-P02-237 (Seq#0762)
- 9.543. GBR-P02-280 (Seq#0764)
- 9.544. GBR-P02-281 (Seq#0765)
- 9.545. GBR-P02-282 (Seq#0766) (see comment)
- 9.546. GBR-P02-283 (Seq#0767)
- 9.547. GBR-P02-284 (Seq#0768)
- 9.548. GBR-P02-286 (Seq#0769)
- 9.549. JPN-P02-006 (Seq#0770)
- 9.550. JPN-P02-007 (Seq#0771)

9.551. NLD-P02-033 (Seq#0772)
9.552. USA-P02-239 (Seq#0773)
USA-P02-240 (Seq#0775)
GBR-P02-335 (Seq#0950)
USA-P02-334 (Seq#0962)
USA-P02-354 (Seq#1009) (CWB-037)
9.553. USA-P02-241 (Seq#0776)
9.554. CAN-P02-088 (Seq#0777)
9.555. GBR-P02-289 (Seq#0778)
9.556. GBR-P02-292 (Seq#0779)
9.557. NLD-P02-034 (Seq#0780)
9.558. USA-P02-242 (Seq#0781)
9.559. USA-P02-244 (Seq#0783)
9.560. USA-P02-245 (Seq#0784)
9.561. USA-P02-246 (Seq#0785)
9.562. USA-P02-247 (Seq#0786)
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9.564. USA-P02-249 (Seq#0788)
9.565. USA-P02-250 (Seq#0789)
9.566. CAN-P02-089 (Seq#0790) (see comment)
9.567. CAN-P02-090 (Seq#0791)
9.568. CAN-P02-091 (Seq#0792) (see comment)
9.569. CAN-P02-092 (Seq#0793)
9.570. CAN-P02-093 (Seq#0794)
9.571. CAN-P02-094 (Seq#0795)
9.572. GBR-P02-288 (Seq#0796)
9.573. GBR-P02-290 (Seq#0797)
9.574. GBR-P02-293 (Seq#0798)
9.575. GBR-P02-294 (Seq#0799)
9.576. GBR-P02-295 (Seq#0800) (see comment)
9.577. NLD-P02-035 (Seq#0801)
9.578. NLD-P02-036 (Seq#0802)
9.579. NLD-P02-037 (Seq#0803)
9.580. NLD-P02-038 (Seq#0804)
9.581. USA-P02-251 (Seq#0805)
9.582. USA-P02-252 (Seq#0806)
9.583. USA-P02-253 (Seq#0807)
9.584. USA-P02-254 (Seq#0808)
9.585. USA-P02-255 (Seq#0809)
9.586. USA-P02-256 (Seq#0810) (see comment)
9.587. USA-P02-257 (Seq#0811)
9.588. USA-P02-258 (Seq#0813)
9.589. USA-P02-259 (Seq#0814) (see comment)
9.590. USA-P02-260 (Seq#0815) (see comment)
9.591. USA-P02-261 (Seq#0816)
9.592. USA-P02-262 (Seq#0817) (see comment)
9.593. USA-P02-263 (Seq#0819)
9.594. USA-P02-264 (Seq#0820)
9.595. GBR-P02-296 (Seq#0821)
9.596. USA-P02-265 (Seq#0822) (see comment)
9.597. CAN-P02-100 (Seq#0823)
9.598. CAN-P02-095 (Seq#0824)
9.599. CAN-P02-096 (Seq#0825)
9.600. CAN-P02-097 (Seq#0826)

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- 9.601. CAN-P02-098 (Seq#0827)
- 9.602. CAN-P02-101 (Seq#0828) (see comment)
- 9.603. NLD-P02-039 (Seq#0829)
- 9.604. USA-P02-266 (Seq#0830)
- 9.605. USA-P02-267 (Seq#0831)
- 9.606. USA-P02-268 (Seq#0832)
- 9.607. USA-P02-269 (Seq#0833)
- 9.608. USA-P02-270 (Seq#0834)
- 9.609. USA-P02-271 (Seq#0835)
- 9.610. USA-P02-272 (Seq#0836)
- 9.611. USA-P02-274 (Seq#0838)
- 9.612. USA-P02-275 (Seq#0839)
- 9.613. CAN-P02-099 (Seq#0840)
- 9.614. GBR-P02-301 (Seq#0841) (see comment)
- 9.615. GBR-P02-302 (Seq#0842)
- 9.616. GBR-P02-303 (Seq#0843)
- 9.617. NLD-P02-040 (Seq#0844)
- 9.618. USA-P02-277 (Seq#0846)
- 9.619. USA-P02-278 (Seq#0847)
- 9.620. USA-P02-279 (Seq#0848)
- 9.621. USA-P02-280 (Seq#0849) (see comment)
- 9.622. USA-P02-281 (Seq#0850) (see comment)
- 9.623. USA-P02-282 (Seq#0851)
- 9.624. USA-P02-283 (Seq#0852)
- 9.625. USA-P02-284 (Seq#0853)
- 9.626. GBR-P02-298 (Seq#0854)
- 9.627. GBR-P02-300 (Seq#0855)
- 9.628. USA-P02-285 (Seq#0856) (see comment)
- 9.629. GBR-P02-297 (Seq#0857)
- 9.630. USA-P02-287 (Seq#0861)
- 9.631. GBR-P02-304 (Seq#0862)
- 9.632. GBR-P02-305 (Seq#0863) (see comment)
- 9.633. GBR-P02-306 (Seq#0864)
- 9.634. GBR-P02-307 (Seq#0865) (see comment)
- 9.635. USA-P02-288 (Seq#0866)
- 9.636. CAN-P02-102 (Seq#0867)
- 9.637. GBR-P02-310 (Seq#0868) (see comment)
- 9.638. USA-P02-289 (Seq#0869)
- 9.639. USA-P02-290 (Seq#0872)
- 9.640. GBR-P02-311 (Seq#0873)
- 9.641. USA-P02-291 (Seq#0874)
- 9.642. USA-P02-292 (Seq#0875)
- 9.643. GBR-P02-316 (Seq#0876)
- 9.644. GBR-P02-313 (Seq#0877)
- 9.645. GBR-P02-314 (Seq#0878) (see comment)
- 9.646. GBR-P02-315 (Seq#0879) (see comment)
- 9.647. GBR-P02-317 (Seq#0882)
- 9.648. USA-P02-293 (Seq#0883)
- 9.649. USA-P02-294 (Seq#0884)
- 9.650. GBR-P02-318 (Seq#0885)
- 9.651. CAN-P02-103 (Seq#0886)
- 9.652. CAN-P02-104 (Seq#0887)
- 9.653. NLD-P02-041 (Seq#0888)
- 9.654. NLD-P02-042 (Seq#0889)

- 9.655. USA-P02-295 (Seq#0890)
- 9.656. USA-P02-296 (Seq#0891) (see comment)
- 9.657. USA-P02-297 (Seq#0892)
- 9.658. USA-P02-298 (Seq#0893) (see comment)
- 9.659. USA-P02-299 (Seq#0894)
- 9.660. GBR-P02-319 (Seq#0895)
- 9.661. GBR-P02-320 (Seq#0896) (see comment)
- 9.662. GBR-P02-321 (Seq#0897)
- 9.663. NLD-P02-043 (Seq#0898)
- 9.664. GBR-P02-322 (Seq#0899) (see comment)
- 9.665. USA-P02-300 (Seq#0900)
- 9.666. GBR-P02-323 (Seq#0901) (see comment)
- 9.667. GBR-P02-324 (Seq#0902) (see comment)
- 9.668. GBR-P02-325 (Seq#0903)
- 9.669. USA-P02-301 (Seq#0904)
- 9.670. USA-P02-302 (Seq#0905)
- 9.671. USA-P02-303 (Seq#0906)
- 9.672. USA-P02-304 (Seq#0907) (see comment)
- 9.673. USA-P02-305 (Seq#0908)
- 9.674. USA-P02-306 (Seq#0909)
- 9.675. GBR-P02-326 (Seq#0910)
- 9.676. USA-P02-307 (Seq#0911)
- 9.677. USA-P02-308 (Seq#0912)
- 9.678. CAN-P02-105 (Seq#0913) (see comment)
- 9.679. GBR-P02-327 (Seq#0914)
- 9.680. USA-P02-309 (Seq#0915)
- 9.681. USA-P02-310 (Seq#0917)
- 9.682. USA-P02-311 (Seq#0918)
- 9.683. NLD-P02-044 (Seq#0920)
- 9.684. NLD-P02-045 (Seq#0921)
- 9.685. USA-P02-313 (Seq#0922) (see comment)
- 9.686. USA-P02-315 (Seq#0925) (see comment)
- 9.687. CAN-P02-106 (Seq#0926)
- 9.688. GBR-P02-328 (Seq#0927) (see comment)
- 9.689. GBR-P02-329 (Seq#0928) (see comment)
- 9.690. GBR-P02-330 (Seq#0929) (see comment)
- 9.691. USA-P02-316 (Seq#0930)
- 9.692. USA-P02-317 (Seq#0931) (see comment)
- 9.693. USA-P02-318 (Seq#0932)
- 9.694. USA-P02-319 (Seq#0933)
- 9.695. USA-P02-320 (Seq#0934)
- 9.696. USA-P02-321 (Seq#0935)
- 9.697. GBR-P02-331 (Seq#0936)
- 9.698. NLD-P02-046 (Seq#0937)
- 9.699. GBR-P02-333 (Seq#0938)
- 9.700. GBR-P02-332 (Seq#0939)
- 9.701. NLD-P02-047 (Seq#0940)
- 9.702. USA-P02-322 (Seq#0941)
- 9.703. USA-P02-323 (Seq#0942) (see comment)
- 9.704. USA-P02-324 (Seq#0943)
- 9.705. GBR-P02-334 (Seq#0944)
- 9.706. USA-P02-325 (Seq#0945) (see comment)
- 9.707. NLD-P02-048 (Seq#0946)
- 9.708. USA-P02-327 (Seq#0948)

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- 9.709. USA-P02-328 (Seq#0949)
- 9.710. NLD-P02-050 (Seq#0952)
- 9.711. USA-P02-329 (Seq#0955) (see comment)
- 9.712. USA-P02-330 (Seq#0956) (see comment)
- 9.713. USA-P02-331 (Seq#0958)
- 9.714. USA-P02-332 (Seq#0959)
- 9.715. DEU-P02-011 (Seq#0963)
- 9.716. DEU-P02-012 (Seq#0964) (see comment)
- 9.717. GBR-P02-337 (Seq#0966)
- 9.718. USA-P02-335 (Seq#0967)
- 9.719. USA-P02-336 (Seq#0968)
- 9.720. USA-P02-337 (Seq#0969) (see comment)
- 9.721. USA-P02-338 (Seq#0970)
- 9.722. USA-P02-339 (Seq#0971) (see comment)
- 9.723. CAN-P02-107 (Seq#0972)
- GBR-P02-338 (Seq#0976) (CWB-038)
- 9.724. DEU-P02-014 (Seq#0974)
- 9.725. GBR-P02-336 (Seq#0975)
- 9.726. GBR-P02-339 (Seq#0977)
- 9.727. NLD-P02-054 (Seq#0978)
- 9.728. USA-P02-340 (Seq#0979)
- 9.729. USA-P02-341 (Seq#0980)
- 9.730. DEU-P02-015 (Seq#0981) (see comment)
- 9.731. DEU-P02-016 (Seq#0982) (see comment)
- 9.732. USA-P02-342 (Seq#0983)
- 9.733. GBR-P02-340 (Seq#0984) (see comment)
- 9.734. FRA-P02-010 (Seq#0985)
- 9.735. NLD-P02-055 (Seq#0986)
- 9.736. USA-P02-343 (Seq#0987)
- 9.737. USA-P02-344 (Seq#0988)
- 9.738. USA-P02-345 (Seq#0989)
- 9.739. USA-P02-346 (Seq#0990)
- 9.740. USA-P02-347 (Seq#0991)
- 9.741. NLD-P02-056 (Seq#0992)
- 9.742. NLD-P02-057 (Seq#0993)
- 9.743. NLD-P02-058 (Seq#0994)
- 9.744. NLD-P02-059 (Seq#0995)
- 9.745. NLD-P02-060 (Seq#0996)
- 9.746. NLD-P02-061 (Seq#0997)
- 9.747. NLD-P02-062 (Seq#0998)
- 9.748. USA-P02-348 (Seq#0999) (see comment)
- 9.749. USA-P02-349 (Seq#1000)
- 9.750. USA-P02-351 (Seq#1001)
- 9.751. NLD-P02-063 (Seq#1003)
- 9.752. USA-P02-352 (Seq#1004)
- 9.753. USA-P02-353 (Seq#1005)
- 9.754. CAN-P02-109 (Seq#1006)
- 9.755. NLD-P02-064 (Seq#1007)
- 9.756. USA-P02-355 (Seq#1010)
- 9.757. USA-P02-356 (Seq#1011)
- 9.758. GBR-P02-341 (Seq#1012)
- 9.759. NLD-P02-066 (Seq#1013)
- 9.760. NLD-P02-067 (Seq#1014)
- 9.761. NLD-P02-068 (Seq#1015)

- 9.762. USA-P02-357 (Seq#1016)
- 9.763. USA-P02-358 (Seq#1017)
- 9.764. USA-P02-359 (Seq#1018) (see comment)
- 9.765. NLD-P02-070 (Seq#1023)
- 9.766. NLD-P02-071 (Seq#1024)
- 9.767. NLD-P02-072 (Seq#1029)
- 9.768. USA-P02-361 (Seq#1026)
- 9.769. USA-P02-362 (Seq#1027) (see comment)
- 9.770. CAN-P02-110 (Seq#1028)
- 9.771. NLD-P02-073 (Seq#1030)
- 9.772. NLD-P02-074 (Seq#1031)
- 9.773. NLD-P02-075 (Seq#1033)
- 9.774. CAN-P02-111 (Seq#1032)
- 9.775. NLD-P02-076 (Seq#1034)
- 9.776. NLD-P02-077 (Seq#1044)
- 9.777. CAN-P02-113 (Seq#1035)
- 9.778. CAN-P02-114 (Seq#1036)
- 9.779. CAN-P02-115 (Seq#1037)
- 9.780. USA-P02-363 (Seq#1038)
- 9.781. USA-P02-364 (Seq#1039)
- 9.782. CAN-P02-116 (Seq#1040) (see comment)
- 9.783. CAN-P02-117 (Seq#1041)
- 9.784. CAN-P02-112 (Seq#1042) (see comment)
- 9.785. USA-P02-365 (Seq#1043)
- 9.786. NLD-P02-078 (Seq#1049)
- 9.787. CAN-P02-118 (Seq#1046)
- 9.788. GBR-P02-346 (Seq#1047) (see comment)
- 9.789. GBR-P02-347 (Seq#1048) (see comment)
- 9.790. NLD-P02-079 (Seq#1059)
- 9.791. GBR-P02-349 (Seq#1051) (see comment)
- 9.792. JPN-P02-109 (Seq#1052)
- 9.793. CAN-P02-119 (Seq#1053)
- 9.794. USA-P02-366 (Seq#1058) (CWB-045)
(CWB-076)
- 9.795. NLD-P02-069 (Seq#1022)
- 9.796. GBR-P02-350 (Seq#1061) (see comment)
- 9.797. USA-P02-367 (Seq#1062)
- 9.798. JPN-P02-112 (Seq#1063) (see comment)
- 9.799. USA-P02-368 (Seq#1064)
- 9.800. NLD-P02-080 (Seq#1065)
- 9.801. CAN-P02-120 (Seq#1066)
- 9.802. GBR-P02-351 (Seq#1067)
- 9.803. CAN-P02-121 (Seq#1068)
- 9.804. CAN-P02-122 (Seq#1069)
- 9.805. CAN-P02-125 (Seq#1071)
- 9.806. CAN-P02-126 (Seq#1072)
- 9.807. DEU-P02-017 (Seq#1073)
- 9.808. ITA-P02-001 (Seq#1075) (see also comment)
(CWB-013, CWB-015, CWB-016,
CWB-058, CWB-059, CWB-060)
- 9.809. NLD-P02-081 (Seq#1076)
- 9.810. NLD-P02-082 (Seq#1077)
- 9.811. NLD-P02-083 (Seq#1078)
- 9.812. NLD-P02-084 (Seq#1079)

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- 9.813. NLD-P02-085 (Seq#1080)
- 9.814. NLD-P02-086 (Seq#1081)
- 9.815. NLD-P02-087 (Seq#1082)
- 9.816. NLD-P02-088 (Seq#1083)
- 9.817. NLD-P02-089 (Seq#1084)
- 9.818. NLD-P02-091 (Seq#1086)
- 9.819. NLD-P02-092 (Seq#1087)
- 9.820. NLD-P02-093 (Seq#1088)
- 9.821. NLD-P02-094 (Seq#1089)
- 9.822. NLD-P02-095 (Seq#1090)
- 9.823. NLD-P02-096 (Seq#1091)
- 9.824. NLD-P02-097 (Seq#1092)
- 9.825. NLD-P02-098 (Seq#1093)
- 9.826. NLD-P02-099 (Seq#1094)
- 9.827. NLD-P02-100 (Seq#1095)
- 9.828. NLD-P02-101 (Seq#1096)
- 9.829. NLD-P02-102 (Seq#1097)
- 9.830. NLD-P02-103 (Seq#1098)
- 9.831. NLD-P02-104 (Seq#1099)
- 9.832. NLD-P02-105 (Seq#1100)
- 9.833. NLD-P02-106 (Seq#1101)
- 9.834. NLD-P02-107 (Seq#1102)
- 9.835. NLD-P02-108 (Seq#1103)
- 9.836. NLD-P02-109 (Seq#1104)
- 9.837. NLD-P02-110 (Seq#1105)
- 9.838. NLD-P02-111 (Seq#1106)
- 9.839. NLD-P02-112 (Seq#1107)
- 9.840. NLD-P02-113 (Seq#1108)
- 9.841. NLD-P02-114 (Seq#1109)
- 9.842. NLD-P02-115 (Seq#1110)
- 9.843. NLD-P02-116 (Seq#1111)
- 9.844. NLD-P02-117 (Seq#1112)
- 9.845. NLD-P02-118 (Seq#1113)
- 9.846. NLD-P02-119 (Seq#1114)
- 9.847. NLD-P02-120 (Seq#1115)
- 9.848. NLD-P02-121 (Seq#1116)
- 9.849. NLD-P02-122 (Seq#1117)
- 9.850. NLD-P02-123 (Seq#1118)
- 9.851. NLD-P02-124 (Seq#1119)
- 9.852. NLD-P02-125 (Seq#1120)
- 9.853. NLD-P02-126 (Seq#1121)
- 9.854. NLD-P02-127 (Seq#1122)
- 9.855. NLD-P02-128 (Seq#1123)
- 9.856. NLD-P02-129 (Seq#1124)
- 9.857. NLD-P02-130 (Seq#1125)
- 9.858. NLD-P02-131 (Seq#1126)
- 9.859. NLD-P02-132 (Seq#1127)
- 9.860. NLD-P02-133 (Seq#1128)
- 9.861. NLD-P02-134 (Seq#1129)
- 9.862. NLD-P02-135 (Seq#1130)
- 9.863. NLD-P02-136 (Seq#1131)
- 9.864. NLD-P02-137 (Seq#1132)
- 9.865. NLD-P02-138 (Seq#1133)
- 9.866. NLD-P02-139 (Seq#1134)

- 9.867. NLD-P02-140 (Seq#1135)
- 9.868. NLD-P02-141 (Seq#1136)
- 9.869. NLD-P02-142 (Seq#1137)
- 9.870. NLD-P02-143 (Seq#1138)
- 9.871. NLD-P02-144 (Seq#1139)
- 9.872. NLD-P02-145 (Seq#1140)
- 9.873. NLD-P02-146 (Seq#1141)
- 9.874. NLD-P02-147 (Seq#1142)
- 9.875. NLD-P02-148 (Seq#1143)
- 9.876. NLD-P02-149 (Seq#1144)
- 9.877. NLD-P02-152 (Seq#1147)
- 9.878. NLD-P02-153 (Seq#1148)
- 9.879. NLD-P02-154 (Seq#1149)
- 9.880. NLD-P02-156 (Seq#1151)
- 9.881. NLD-P02-157 (Seq#1152)
- 9.882. NLD-P02-158 (Seq#1153)
- 9.883. NLD-P02-159 (Seq#1154)
- 9.884. NLD-P02-160 (Seq#1155)
- 9.885. NLD-P02-161 (Seq#1156)
- 9.886. NLD-P02-162 (Seq#1157)
- 9.887. NLD-P02-163 (Seq#1158)
- 9.888. NLD-P02-164 (Seq#1159)
- 9.889. NLD-P02-165 (Seq#1160)
- 9.890. NLD-P02-166 (Seq#1161)
- NLD-P05-243 (Seq#1532) (CWB-029)
- 9.891. NLD-P02-167 (Seq#1162)
- 9.892. NLD-P02-168 (Seq#1163)
- 9.893. NLD-P02-169 (Seq#1164)
- 9.894. NLD-P02-170 (Seq#1165)
- 9.895. NLD-P02-171 (Seq#1166)
- 9.896. NLD-P02-172 (Seq#1167)
- 9.897. NLD-P02-173 (Seq#1168)
- 9.898. NLD-P02-174 (Seq#1169)
- 9.899. NLD-P02-175 (Seq#1170)
- 9.900. GBR-P02-287 (Seq#0812)
- USA-P02-312 (Seq#0919)
- USA-P02-369 (Seq#1171) (CWB-049)
- 9.901. USA-P02-371 (Seq#1173)
- 9.902. USA-P02-372 (Seq#1174)
- 9.903. USA-P02-373 (Seq#1175)
- 9.904. USA-P02-374 (Seq#1176)
- 9.905. USA-P02-375 (Seq#1177)
- 9.906. USA-P02-376 (Seq#1178)
- 9.907. USA-P02-378 (Seq#1180)
- 9.908. USA-P02-379 (Seq#1181)
- 9.909. USA-P02-380 (Seq#1182)
- 9.910. USA-P02-381 (Seq#1183)
- 9.911. CAN-P02-123 (Seq#1187)
- 9.912. ITA-P02-002 (Seq#1188) (CWB-014)
- 9.913. NLD-P02-176 (Seq#1189)
- 9.914. NLD-P02-177 (Seq#1190)
- 9.915. NLD-P02-178 (Seq#1191)
- 9.916. NLD-P02-179 (Seq#1192)
- 9.917. NLD-P02-181 (Seq#1194)

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- 9.918. NLD-P02-182 (Seq#1195)
- 9.919. NLD-P02-183 (Seq#1196)
- 9.920. NLD-P02-184 (Seq#1197)
- 9.921. NLD-P02-185 (Seq#1198)
- 9.922. NLD-P02-186 (Seq#1199)
- 9.923. NLD-P02-187 (Seq#1200)
- 9.924. GBR-P02-353 (Seq#1201)
- 9.925. GBR-P02-355 (Seq#1202)
- 9.926. GBR-P02-356 (Seq#1203)
- 9.927. GBR-P02-357 (Seq#1204)
- 9.928. GBR-P02-359 (Seq#1205)
- 9.929. GBR-P02-360 (Seq#1206)
- 9.930. USA-P02-385 (Seq#1207)
- 9.931. USA-P02-386 (Seq#1208) (see comment)
- 9.932. GBR-P02-352 (Seq#1210)
- 10. SQL/PSM Topics
- 10.1. USA-P04-001 (Seq#1212) (see comment)
- 10.2. USA-P04-002 (Seq#1213) (see comment)
- 10.3. USA-P04-003 (Seq#1214) (see comment)
- 10.4. USA-P04-004 (Seq#1215) (see comment)
- 10.5. USA-P04-005 (Seq#1216) (see comment)
- 10.6. USA-P04-006 (Seq#1217) (see comment)
- 10.7. USA-P04-007 (Seq#1218)
- 10.8. USA-P04-009 (Seq#1220)
- 10.9. JPN-P04-119 (Seq#1221) (see comment)
- 10.10. USA-P04-010 (Seq#1222)
- 10.11. USA-P04-011 (Seq#1225)
- 10.12. GBR-P04-001 (Seq#1226)
- 10.13. USA-P04-012 (Seq#1228) (see comment)
- 10.14. USA-P04-013 (Seq#1229)
- 10.15. CAN-P04-001 (Seq#1230)
- 10.16. USA-P04-014 (Seq#1231) (see comment)
- 10.17. USA-P04-015 (Seq#1232) (see comment)
- 10.18. USA-P04-016 (Seq#1233)
- 10.19. JPN-P04-118 (Seq#1234) (see comment)
- 10.20. USA-P04-017 (Seq#1235) (see comment)
- 10.21. USA-P04-018 (Seq#1236) (see comment)
- 10.22. CAN-P04-002 (Seq#1237)
- 10.23. CAN-P04-003 (Seq#1239)
- 10.24. CAN-P04-004 (Seq#1240)
- 10.25. USA-P04-019 (Seq#1241) (see comment)
- 10.26. CAN-P04-005 (Seq#1242)
- 10.27. USA-P04-020 (Seq#1243) (see comment)
- 10.28. CAN-P04-006 (Seq#1244)
- 10.29. USA-P04-021 (Seq#1245) (see comment)
- 10.30. CAN-P04-007 (Seq#1248)
- 10.31. NLD-P04-188 (Seq#1249)
- 10.32. CAN-P04-008 (Seq#1250)
- 10.33. CAN-P04-009 (Seq#1251)
- 10.34. USA-P04-022 (Seq#1252) (see comment)
- 10.35. CAN-P04-010 (Seq#1253)
- 10.36. GBR-P04-002 (Seq#1254)
- 10.37. USA-P04-023 (Seq#1255)
- 10.38. USA-P04-024 (Seq#1256)

- 10.39. NLD-P04-189 (Seq#1257)
- 10.40. USA-P04-025 (Seq#1258) (see comment)
- 10.41. CAN-P04-011 (Seq#1260)
- 10.42. CAN-P04-012 (Seq#1261)
- 10.43. USA-P04-026 (Seq#1262)
- 10.44. USA-P04-027 (Seq#1263)
- 10.45. USA-P04-028 (Seq#1264)
- 10.46. USA-P04-029 (Seq#1265)
- 10.47. CAN-P04-013 (Seq#1266)
- 10.48. GBR-P04-003 (Seq#1267)
- 10.49. USA-P04-030 (Seq#1268)
- 10.50. CAN-P04-014 (Seq#1269)
- 10.51. CAN-P04-015 (Seq#1271)
- 10.52. CAN-P04-016 (Seq#1275)
- 10.53. CAN-P04-017 (Seq#1276)
- 10.54. USA-P04-031 (Seq#1277) (see comment)
- 10.55. CAN-P04-018 (Seq#1279)
- NLD-P04-231 (Seq#1347) (CWB-012)
- 10.56. CAN-P04-020 (Seq#1283)
- 10.57. CAN-P04-021 (Seq#1285) (see comment)
- 10.58. CAN-P04-023 (Seq#1287)
- 10.59. USA-P04-032 (Seq#1288) (see comment)
- 10.60. CAN-P04-022 (Seq#1289)
- 10.61. CAN-P04-024 (Seq#1290)
- 10.62. USA-P04-033 (Seq#1291) (see comment)
- 10.63. USA-P04-034 (Seq#1292)
- 10.64. CAN-P04-025 (Seq#1299)
- 10.65. CAN-P04-026 (Seq#1300)
- 10.66. CAN-P04-028 (Seq#1301)
- 10.67. CAN-P04-029 (Seq#1302)
- 10.68. ITA-P04-001 (Seq#1303)
- 10.69. NLD-P04-190 (Seq#1304)
- 10.70. NLD-P04-191 (Seq#1305)
- 10.71. NLD-P04-192 (Seq#1306)
- 10.72. NLD-P04-193 (Seq#1307)
- 10.73. NLD-P04-194 (Seq#1308)
- 10.74. NLD-P04-195 (Seq#1309)
- 10.75. NLD-P04-196 (Seq#1310)
- 10.76. USA-P04-035 (Seq#1311)
- 10.77. GBR-P04-004 (Seq#1312)
- 10.78. NLD-P04-197 (Seq#1313)
- 10.79. NLD-P04-198 (Seq#1314)
- 10.80. NLD-P04-199 (Seq#1315)
- 10.81. NLD-P04-200 (Seq#1316)
- 10.82. NLD-P04-201 (Seq#1317)
- 10.83. NLD-P04-202 (Seq#1318)
- 10.84. NLD-P04-203 (Seq#1319)
- 10.85. NLD-P04-204 (Seq#1320)
- 10.86. NLD-P04-205 (Seq#1321)
- 10.87. NLD-P04-206 (Seq#1322)
- 10.88. NLD-P04-207 (Seq#1323)
- 10.89. NLD-P04-208 (Seq#1324)
- 10.90. NLD-P04-209 (Seq#1325)
- 10.91. NLD-P04-210 (Seq#1326)

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- 10.92. NLD-P04-211 (Seq#1327)
- 10.93. NLD-P04-212 (Seq#1328)
- 10.94. NLD-P04-213 (Seq#1329)
- 10.95. NLD-P04-214 (Seq#1330)
- 10.96. NLD-P04-215 (Seq#1331)
- 10.97. NLD-P04-216 (Seq#1332)
- 10.98. NLD-P04-217 (Seq#1333)
- 10.99. NLD-P04-218 (Seq#1334)
- 10.100. NLD-P04-219 (Seq#1335)
- 10.101. NLD-P04-220 (Seq#1336)
- 10.102. NLD-P04-221 (Seq#1337)
- 10.103. NLD-P04-222 (Seq#1338)
- 10.104. NLD-P04-223 (Seq#1339)
- 10.105. NLD-P04-224 (Seq#1340)
- 10.106. NLD-P04-225 (Seq#1341)
- 10.107. NLD-P04-226 (Seq#1342)
- 10.108. NLD-P04-227 (Seq#1343)
- 10.109. NLD-P04-228 (Seq#1344)
- 10.110. NLD-P04-229 (Seq#1345)
- 10.111. NLD-P04-230 (Seq#1346)
- 10.112. NLD-P04-233 (Seq#1349)
- 10.113. NLD-P04-234 (Seq#1350)
- 10.114. NLD-P04-235 (Seq#1351)
- 10.115. CAN-P04-027 (Seq#1352)
- 10.116. NLD-P04-236 (Seq#1353)
- 10.117. NLD-P04-237 (Seq#1354)
- 10.118. USA-P04-036 (Seq#1355)
- 11. SQL/Bindings Topics
 - 11.1. CAN-P05-001 (Seq#1356) (see comment)
 - 11.2. CAN-P05-002 (Seq#1357) (see comment)
 - 11.3. USA-P05-001 (Seq#1358) (see comment)
 - 11.4. CAN-P05-003 (Seq#1359) (see comment)
 - 11.5. USA-P05-002 (Seq#1360) (see comment)
 - 11.6. CAN-P05-004 (Seq#1361) (see comment)
 - 11.7. CAN-P05-005 (Seq#1362) (see comment)
 - 11.8. CAN-P05-007 (Seq#1363)
 - 11.9. USA-P05-003 (Seq#1366) (see comment)
 - 11.10. CAN-P05-006 (Seq#1367)
 - 11.11. GBR-P05-004 (Seq#1368)
 - 11.12. USA-P05-004 (Seq#1369) (see comment)
 - 11.13. USA-P05-005 (Seq#1370) (see comment)
 - 11.14. GBR-P05-005 (Seq#1371)
 - 11.15. GBR-P05-006 (Seq#1372)
 - 11.16. CAN-P05-008 (Seq#1373)
 - 11.17. DEU-P05-002 (Seq#1374)
 - 11.18. GBR-P05-008 (Seq#1377)
 - 11.19. CAN-P05-009 (Seq#1378)
 - 11.20. USA-P05-007 (Seq#1379)
 - 11.21. GBR-P05-009 (Seq#1381)
 - 11.22. USA-P05-008 (Seq#1383)
 - 11.23. CAN-P05-010 (Seq#1384)
 - 11.24. USA-P05-009 (Seq#1385) (see comment)
 - 11.25. CAN-P05-011 (Seq#1386)
 - 11.26. GBR-P05-011 (Seq#1387)

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- 11.27. USA-P05-010 (Seq#1388)
- 11.28. USA-P05-011 (Seq#1389) (see comment)
- 11.29. USA-P05-012 (Seq#1390) (see comment)
- 11.30. DEU-P05-003 (Seq#1391)
- 11.31. USA-P05-013 (Seq#1392) (see comment)
- 11.32. CAN-P05-012 (Seq#1393) (see comment)
- 11.33. DEU-P05-004 (Seq#1394)
- 11.34. GBR-P05-012 (Seq#1395)
- 11.35. USA-P05-014 (Seq#1396)
- 11.36. CAN-P05-013 (Seq#1397)
- 11.37. CAN-P05-014 (Seq#1398)
- 11.38. CAN-P05-015 (Seq#1399)
- 11.39. GBR-P05-013 (Seq#1400)
- 11.40. USA-P05-015 (Seq#1401) (see comment)
- 11.41. JPN-P05-096 (Seq#1402) (see comment)
- 11.42. GBR-P05-014 (Seq#1403) (see comment)
- 11.43. USA-P05-016 (Seq#1404) (see comment)
- 11.44. USA-P05-017 (Seq#1405)
- 11.45. DEU-P05-005 (Seq#1406) (see comment)
- 11.46. DEU-P05-006 (Seq#1407)
- 11.47. USA-P05-018 (Seq#1408) (see comment)
- 11.48. DEU-P05-001 (Seq#1409) (see comment)
- 11.49. CAN-P05-016 (Seq#1410) (see comment)
- 11.50. USA-P05-019 (Seq#1411) (see comment)
- 11.51. GBR-P05-015 (Seq#1412)
- 11.52. CAN-P05-017 (Seq#1413) (see comment)
- 11.53. USA-P05-020 (Seq#1414)
- 11.54. GBR-P05-016 (Seq#1416)
- 11.55. GBR-P05-017 (Seq#1417)
- 11.56. CAN-P05-018 (Seq#1418)
- 11.57. USA-P05-021 (Seq#1419) (see comment)
- 11.58. DEU-P05-007 (Seq#1420)
- 11.59. USA-P05-022 (Seq#1421) (see comment)
- 11.60. CAN-P05-019 (Seq#1422) (see comment)
- 11.61. GBR-P05-019 (Seq#1424)
- 11.62. USA-P05-023 (Seq#1427)
- 11.63. USA-P05-024 (Seq#1428)
- CAN-P05-020 (Seq#1430) (partial)
- GBR-P05-021 (Seq#1431)
- USA-P05-026 (Seq#1432)
- NLD-P05-238 (Seq#1435)
- DEU-P05-011 (Seq#1452)
- GBR-P05-023 (Seq#1453)
- NLD-P05-242 (Seq#1531)
- NLD-P05-244 (Seq#1533) (see also comment) (CWB-082)
- 11.64. USA-P05-025 (Seq#1429)
- USA-P05-028 (Seq#1438)
- USA-P05-031 (Seq#1445) (CWB-054)
- 11.65. DEU-P05-008 (Seq#1433)
- 11.66. JPN-P05-045 (Seq#1434)
- 11.67. USA-P05-027 (Seq#1436)
- 11.68. CAN-P05-021 (Seq#1437) (see comment)
- 11.69. DEU-P05-019 (Seq#1440) (see comment)
- 11.70. CAN-P05-022 (Seq#1441)

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- 11.71. USA-P05-029 (Seq#1442)
- USA-P05-031 (Seq#1445) (partial)
- USA-P05-032 (Seq#1448) (CWB-021)
- 11.72. CAN-P05-024 (Seq#1443) (see comment)
- 11.73. USA-P05-030 (Seq#1444)
- 11.74. CAN-P05-023 (Seq#1446) (see comment)
- 11.75. DEU-P05-009 (Seq#1447)
- 11.76. USA-P05-033 (Seq#1454)
- 11.77. DEU-P05-010 (Seq#1455)
- 11.78. USA-P05-034 (Seq#1456)
- USA-P05-036 (Seq#1459) (CWB-018)
- 11.79. USA-P05-037 (Seq#1457) (CWB-052)
- 11.80. USA-P05-035 (Seq#1458)
- 11.81. DEU-P05-012 (Seq#1460)
- 11.82. GBR-P05-025 (Seq#1461)
- 11.83. CAN-P05-025 (Seq#1462) (see comment)
- 11.84. CAN-P05-026 (Seq#1463)
- 11.85. CAN-P05-027 (Seq#1465)
- 11.86. GBR-P05-027 (Seq#1466)
- 11.87. GBR-P05-028 (Seq#1467)
- 11.88. GBR-P05-026 (Seq#1468) (see comment)
- 11.89. USA-P05-038 (Seq#1470)
- USA-P05-040 (Seq#1477) (CWB-020)
- 11.90. CAN-P05-028 (Seq#1471)
- 11.91. CAN-P05-029 (Seq#1472)
- 11.92. CAN-P05-030 (Seq#1473)
- 11.93. CAN-P05-031 (Seq#1474)
- 11.94. JPN-P05-046 (Seq#1475) (see comment)
- 11.95. USA-P05-039 (Seq#1476) (see comment)
- 11.96. USA-P05-041 (Seq#1478)
- USA-P05-042 (Seq#1479) (CWB-019)
- 11.97. USA-P05-043 (Seq#1480) (CWB-027)
- 11.98. USA-P05-044 (Seq#1481) (CWB-055)
- 11.99. USA-P05-045 (Seq#1482)
- 11.100. JPN-P05-053 (Seq#1487) (see comment)
- 11.101. CAN-P05-032 (Seq#1489) (see comment)
- 11.102. USA-P05-046 (Seq#1490)
- USA-P05-047 (Seq#1491) (see also comment) (CWB-056)
- 11.103. GBR-P05-029 (Seq#1492)
- 11.104. GBR-P05-030 (Seq#1493)
- 11.105. DEU-P05-013 (Seq#1494)
- 11.106. GBR-P05-031 (Seq#1495)
- 11.107. DEU-P05-014 (Seq#1498)
- 11.108. NLD-P05-239 (Seq#1499)
- 11.109. GBR-P05-034 (Seq#1500)
- 11.110. GBR-P05-035 (Seq#1501)
- 11.111. USA-P05-048 (Seq#1502)
- 11.112. USA-P05-049 (Seq#1503)
- 11.113. USA-P05-050 (Seq#1504)
- 11.114. CAN-P05-033 (Seq#1505)
- 11.115. CAN-P05-034 (Seq#1506)
- 11.116. CAN-P05-035 (Seq#1507)
- 11.117. USA-P05-051 (Seq#1508)
- 11.118. USA-P05-052 (Seq#1509)

- 11.119. GBR-P05-037 (Seq#1510) (see comment)
- 11.120. DEU-P05-015 (Seq#1511) (see comment)
- 11.121. GBR-P05-036 (Seq#1514)
- 11.122. CAN-P05-036 (Seq#1515) (see comment)
- 11.123. USA-P05-053 (Seq#1516)
- 11.124. CAN-P05-037 (Seq#1517) (see comment)
- 11.125. CAN-P05-038 (Seq#1518)
- 11.126. USA-P05-054 (Seq#1519)
- 11.127. CAN-P05-041 (Seq#1523)
- 11.128. CAN-P05-042 (Seq#1524)
- 11.129. CAN-P05-044 (Seq#1526)
- 11.130. CAN-P05-045 (Seq#1527)
- 11.131. ITA-P05-001 (Seq#1528)
- 11.132. NLD-P05-243 (Seq#1532)
- 11.133. NLD-P05-246 (Seq#1536)
- 11.134. NLD-P05-247 (Seq#1537)
- 11.135. USA-P05-055 (Seq#1535)
- 11.136. NLD-P05-248 (Seq#1538)
- 11.137. NLD-P05-249 (Seq#1540)
- 11.138. NLD-P05-250 (Seq#1541)
- 11.139. GBR-P05-038 (Seq#1539)
- 11.140. NLD-P05-241 (Seq#1530)
- 11.141. NLD-P05-251 (Seq#1542)
- 11.142. NLD-P05-240 (Seq#1529)
- 11.143. GBR-P05-001 (Seq#1544)
- 12. Multiple parts
 - 12.1. GBR-P99-002 (Seq#1545)
 - 12.2. GBR-P99-003 (Seq#1546)
 - 12.3. GBR-P99-001 (Seq#1547)
 - 12.4. GBR-P99-004 (Seq#1548) (see comment)
- 13. Levelling
 - 13.1. JPN-P01-002 (Seq#0067) (CWB-063)
 - 13.2. JPN-P01-001 (Seq#0068) (CWB-062)
 - 13.3. CAN-P01-020 (Seq#0073)
 - 13.4. USA-P02-062 (Seq#0222)
 - 13.5. USA-P02-113 (Seq#0343)
 - 13.6. USA-P02-238 (Seq#0763)
 - USA-P02-273 (Seq#0837)
 - USA-P02-387 (Seq#1209) (CWB-079)
(CWB-080)
 - 13.7. USA-P02-326 (Seq#0947) (see comment)
 - 13.8. USA-P02-360 (Seq#1025)
 - 13.9. CAN-P02-124 (Seq#1070)
 - 13.10. USA-P02-377 (Seq#1179)
 - 13.11. USA-P02-384 (Seq#1186) (CWB-023)
 - 13.12. GBR-P05-018 (Seq#1423)
 - 13.13. CAN-P05-039 (Seq#1520)
 - 13.14. CAN-P05-040 (Seq#1522)
 - 13.15. CAN-P05-043 (Seq#1525)
- 14. National Body Closing Comments
 - 14.1. Australia
 - 14.2. Brazil
 - 14.3. Canada
 - 14.4. China

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- 14.5. Czech Republic
- 14.6. Finland
- 14.7. France
- 14.8. Germany
- 14.9. Italy
- 14.10. Japan
- 14.11. Korea
- 14.12. Netherlands
- 14.13. Norway
- 14.14. Sweden
- 14.15. United Kingdom
- 14.16. United States
- 15. Recommendations
 - 15.1. Preparation of Revised Texts
 - 15.2. Disposition of Comments Report
 - 15.3. Recommendation Regarding Progression
- 16. Action Items
 - 16.1.
- 17. Adjourn

Appendix B Document Register

FCD EDITING MEETINGS
ISO/IEC FCD 9075-1 — SQL/Framework
ISO/IEC FCD 9075-2 — SQL/Foundation
ISO/IEC FCD 9075-4 — SQL/Persistent Stored Modules
ISO/IEC FCD 9075-5 — SQL/Bindings
ISO/IEC JTC1/SC32
16th March – 3rd April, 1998
Curitiba, Brazil

Document Prefix: DBL CWB-

No.	Source	Title	Agenda
001	Melton	SQL/Framework Final CD	5.1
002	Melton	SQL/Foundation Final CD	5.2
003	Melton	SQL/PSM Final CD	5.3
004	Melton	SQL/Bindings Final CD	5.4
005	Eisenberg	SQL3 Feature List	Withdrawn
006	SC32	Results of SC21 Ballot on parts 2 (SC32 N0063)	5.6
007	SC32	Results of SC21 Ballot on parts 5 (SC32 N0064)	5.8
008	SC32	Calling notice for Editing Meeting (SC32 N0025)	5.10
009R1	Melton	Consolidated Ballot Comments	5.11
010	Melton	Templates for Submission of Ballot Comments	5.9
011	NLD	Netherlands Ballot Comments on parts 1, 2, 4 & 5	5.5, 5.6, 5.7, 5.8
012	Cannan	Resubmitted DBL: LGW-149	10.55
013R2	Giuri	An extension of the SQL/3 security model for a better support of role-based access control	9.808
014R2	Giuri	Cleanup of SQL/Foundation	9.912
015R2	Giuri	Role-based access control extension for SQL/3 - Changes to SQL/Foundation - Part 1	9.808
016R2	Giuri	Role-based access control extension for SQL/3 - Changes to SQL/Foundation - Part 2: Information Schema, Definition Schema, and Documentation Schema	9.808
017	ITA	Italian National Body Ballot comments on SQL/Foundation	5.5, 5.6, 5.7, 5.8
018	USA	Corrections for dynamic parameters as routine arguments (H2-97-427)	11.78
019	USA	Cleanup of <using clause> (H2-97-428)	11.96
020	USA	Describing input dynamic parameters (H2-97-429)	11.89
021	USA	Tightening semantics of <get descriptor statement> (H2-97-430)	11.71
022	USA	Reconsidering some core decisions (H2-97-445)	Withdrawn
023	USA	Moving arrays to the basic object support package (H2-97-446)	13.1
024	USA	More clarification of datetimes (H2-97-447)	9.123
025	USA	Fixing <collection derived table> (H2-97-448)	9.172
026	USA	More fixes for intervals (H2-97-455)	9.126
027	USA	Assigning values to <using argument>s (H2-97-462)	11.97
028	GBR	UK Ballot Comments	5.5, 5.6, 5.7, 5.8
029	Cannan	Addressing Possible Problems 530, BIND-008 and CLI-009	9.890
030	CAN	Comments on ISO/IEC FCD 9075-1 (SQL/Framework)	5.5

No.	Source	Title	Agenda
031	CAN	Comments on ISO/IEC FCD 9075-2 (SQL/Foundation)	5.6
032	CAN	Comments on ISO/IEC FCD 9075-4 (SQL/PSM)	5.7
033	CAN	Comments on ISO/IEC FCD 9075-5 (SQL/Bindings)	5.8
034	Darwen	Addressing Problems With Untyped Value Specifications	9.239
035	Darwen	Constraints and Defaults for Implied Column Definitions	9.411
036	Darwen	Implicit Scope for a Self-referencing Column	9.134
037R2	Darwen	Effects of INSERT/UPDATE/DELETE on Subtables and Supertables	9.552
038	Darwen	Keeping Tables of Noninstantiable Types Empty	9.723
039	Darwen	Primary Keys of Subtables	9.66
040	Darwen	Addressing Various problems with Reference Columns	9.166
041R1	Darwen	Setting and Dropping Scope on Columns	9.475
042	Darwen	Scope of a Result REF Type	9.341
043	Darwen	Declared Type Versus Most Specific Type	9.58
044	USA	USA ballot comments on SQL3 Parts 1, 2, 4, and 5 (H2-98-014)	5.5, 5.6, 5.7, 5.8
045	USA	Placing SQL_FEATURES and SQL_SIZING views into the Information Schema (H2-97-372)	9.794
046	USA	Fixing a bug in <having clause> (H2-97-463)	9.266
047	USA	Proper architecture for data types within SQL3/Foundation (H2-98-035)	8.15
048	USA	Supporting shrink-wrapped applications in SQL3 – solving PP 640 (H2-98-016)	9.82
049	USA	Host language mapping for UDTs (H2-98-017)	9.900
050	USA	Fixing several minor technical and major editorial comments in SQL3/Foundation (H2-98-018)	9.368
051R1	USA	Character internationalisation revisited (H2-98-021)	8.22
052	USA	Corrections for use of dynamic parameters (H2-98-011)	11.79
053	USA	USA ballot comments on SQL TC#3 (H2-98-032)	Inapplicable
054	USA	Distinguishing SQL item desc areas from SQL desc areas (H2-98-012)	11.64
055	USA	Locators as dynamic parameters (H2-98-037)	11.98
056	USA	Further problems with result values of dynamic SQL statements (H2-98-045)	11.102
057	Melton	PSM-96 Rule Replacement Error	9.906
058R2	Giuri	Role-based access control extension for SQL/3 - Changes to SQL/Framework	9.808
059R3	Giuri	Role-based access control extension for SQL/3 - Changes to SQL/PSM	9.808
060R2	Giuri	Role-based access control extension for SQL/3 - Changes to SQL/Bindings	9.808
061	ITA	Italian National Body ballot comments (edited by Luigi Giuri), Ballot comments on SQL/Framework, SQL/PSM, and SQL/Bindings	5.5, 5.6, 5.7, 5.8
062	Tsuchida	Japan comment on leveling SQL	13.2
063	Tsuchida	Japan comment on SQL conformance	13.1
064	DEU	German comments on SQL/Foundation	5.6
065	DEU	German comments on SQL/Bindings	5.8
066	DEU	German comments on SQL/Framework	5.5
067	DEU	German comments on SQL/PSM	5.7
068	Darwen	Removing Obsolete Meaning of ROW	9.74
069	Darwen	Obtaining a Referenced Value	9.165
070	Darwen	Requiring a Unique Most Specific Common Supertype	9.40
071R1	Darwen	The Effects of Dropping a Subtable	9.482
072	GBR	United Kingdom position For SQL3 FCD Editing Meetings	6.15
073	Pistor	Cleaning up CHECK OPTION	9.483
074	Pistor	Cleaning up update through UNION	9.268

No.	Source	Title	Agenda
075	Pistor	Recovering update through join	9.267
076	USA	SQL Features, Sizing, and Implementation Papers - Working Paper (H2-98-061)	9.794
077	USA	Response to USA-P02-039 and USA-P02-040 (H2-98-062)	9.58
078	USA	Response to USA-P02-028 (H2-98-063)	9.58
079	USA	USA position statement on Core SQL (Discussion Paper) - (H2-98-066)	13.6
080	USA	Reductions to Core (H2-98-067)	13.6
081	USA	Single dot revisited (H2-98-068)	9.98
082R1	USA	Describing row and array types (H2-98-069)	11.63
083	USA	Addressing USA-P02-167, USA-P02-168, and USA-P02-169 (H2-98-071)	9.316
084	USA	Generalized expressions for method invocations (H2-98-072)	9.82
085	USA	Expanding the use of reference types (H2-98-073)	9.123
086R1	USA	Checking the values stored in reference columns (H2-98-074)	9.43
087	USA	Preserving the future: Multiargument dynamic dispatch of functions (H2-98-081)	9.82
088R1	USA	Declaring methods within types (H2-98-102)	9.84
089	SC32	Results of SC21 Ballot on parts 1 (SC32 N0070)	5.5
090	SC32	Results of SC21 Ballot on parts 4 (SC32 N0074)	5.7
091	CAN	Returning arrays from SQL-invoked functions	N/A
092R1	CAN	Implicit cast on assignment	9.554
093	CAN	Handling exceptions in <search condition>s	10.41
094	CAN	Constraining LEAVE statements	10.50
095	CAN	Repeated ballot comments	9.43, 9.50, 9.123, 9.124, 9.412, 9.718, 9.907, 9.908, 9.909
096	CAN	Specifying SCOPE on dynamic parameters	9.119
097R1	CAN	Adding transform statement numbers and SQLSTATEs	9.630
098	Cotton	Solving CAN-P05-006 (Seq#1367)	11.10
099	Cotton	Solving GBR-P02-038	9.78
100	Mattos	Removing references to SQL-server module	9.86, 9.89
101	Kulkarni	Solving USA-P01-015 (Seq#036)	N/A
102	Pistor	Follow-up to DEU-P01-012 (Seq#030)	8.29
103	Cotton	Removing outer references from SQL Foundation	9.906
104	Cotton	Fixing SET and MULTISSET	9.246
105	Mattos	Cleaning up 10.12 Execution of Triggers	9.394, 9.395
106R2	Melton	Sorting Out 8.2 <comparison predicate>	9.292
107	Mattos	Clean-up of 6.21 <subtype treatment>	9.226, 9.227
108R1	Kulkarni	Clean-up of 9.1/9.2	9.319
109	Mattos	Miscellaneous Clean-ups	9.906
110	Mattos	Supporting references for CAST	9.211
111	Cannan	Some fixes for <similar predicate>	9.19
112	Zemke	Method invocations with NULL subject argument	9.906
113	Kulkarni	Fix miscellaneous problems with <user defined type name>	9.79
114	Cotton	Resolving GBR-P02-038 (Seq#1539)	11.114
115R1	Mattos	Invoking methods given REF values	9.98
116	Cotton	Resolving comments on “coercibility characteristic”	9.443

No.	Source	Title	Agenda
117	Cotton	Resolving NLD-P04-225 (Seq#1341)	10.106
118	Darwen	Problems with CWB-048	9.82
119	Darwen	Addressing comment 148 etc.	9.49
120	Darwen	Defining SQL-parameter	9.12
121	Darwen	Addressing comment 246	9.135
122	Kulkarni	Closing Miscellaneous Dynamic SQL Comments	11.86
123	Cannan	Resolution of Ballot Comment CAN-P01-018 (Seq#70)	8.67
124	Cannan	Resolution of Ballot Comment CAN-P01-019 (Seq#71)	8.68
125	Mattos	Addressing some comments to 11.40	9.553
126R1	Kulkarni	Cleanup of locators	8.32
127	Cotton	Resolving NLD-P02-055 (Seq#986)	9.148
128	Mattos	Clean-up of UDT Ordering	9.32
129	Darwen	Some underlying problems	9.552
130	Cotton	Closing various ballot comments	9.150
131R1	Mattos	Small amendment to CWB-048	9.82
132	Kulkarni	Closing miscellaneous Foundation ballot comments	9.189
133R1	Mattos	Handling ONLY in DML operators thru cursors	9.906
134R1	Cotton	Resolving NLD-P02-009 (Seq#225)	9.115
135	Piprani	Resolving CAN-P02-118 (Seq#1046)	9.787
136R1	Piprani	Resolving NLD-P02-075 (Seq# 1033)	9.773
137	Zemke	Jack's here	Inapplicable
138R1	Zemke	Information & Definition Schema for methods	9.793
139	Cotton	Resolving NLD-P02-008	9.94
140	Pistor	Updating <derived table>s	9.267
141	Cotton	Closing various ballot comments – Part 2	9.210
142	Tsuchida	Solving JPN-P02-006 (Seq#770) and JPN-P02-007 (Seq#771)	9.549
143R1	Cotton	Deferring <iterative routine> to SQL4	9.185
144	Piprani	Information Schema Sub Table	9.417
145	Ortencio	Resolving some PP 322 Seq#1104	9.836
146	Cannan	Resolution of CAN-P04-007 (Seq#1237)	10.22
147	Cannan	Resolution of some access control comments	9.547
148	Melton	A modest conspiracy	9.906
149R1	Cotton	Alternative Syntax for Left and Right Characters (Seq#290)	9.161
150	Cotton	Resolving Seq#1291 USA-P04-034	10.63
151	Cotton	Resolving Seq#1299 CAN-P04-025	10.64
152	Cotton	Resolving Seq#1261 CAN-P04-012	10.42
153	Cotton	Resolving Seq#1253 CAN-P04-010	10.35
154	Cotton	Resolving Seq#1250 CAN-P04-008	10.32
155	Cotton	Resolving Seq#0221 USA-P04-008 (Seq#0221, 1229, 1396)	9.112
156	Cotton	Resolving Possible Problems in SQL/PSM (Seq#1313->1354)	N/A
157	Cotton	Resolving Seq#1312 GBR-P04-004	10.77
158	Tsuchida	Allowing dynamic parameter as arguments of a function invocation	9.906
159	Ortencio	Resolving PP 306 and 307	9.832
160	Cotton	Cleaning of UDT ordering – part 2	9.32
161	Cotton	Resolving problems with <set clause list>	10.25
162	DBL RG	Various papers on underlying	9.552
163	Cotton	Resolving CAN-P02-101 (Seq#828)	9.602
164	Zemke	Following up CWB-024 for Bindings and PSM	9.123
165	Mattos	Helping the Editor	Output

