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JTC 1/SC 32 N1401

WG3 UKB-014r1

MINUTES OF BALLOT RESOLUTION MEETING

ISO/IEC CD 9075-01
ISO/IEC CD 9075-02
ISO/IEC CD 9075-03
ISO/IEC CD 9075-04
ISO/IEC CD 9075-09
ISO/IEC CD 9075-10
ISO/IEC CD 9075-11
ISO/IEC CD 9075-13

28th November – 9th December 2005

Wellington, New Zealand

Legend:

Sections are keyed to the meeting agenda (WG 3: N0100).

The meeting day number, *n*, on which a recorded action took place, a paper was submitted, an agenda item was added, or a late participant arrived, is indicated by a tag of the form **n*.

The phrase "accepted … without objection", applied to a motion, indicates that nobody responded to the Convenor's question of the form "does anybody object to adopting [this proposal]?"

The phrase "accepted … unanimously", applied to a motion, indicates that every national body present gave an explicit vote in favour of the motion.

1 Introduction of Participants

*1 The WG 3 Convenor, Keith Hare, opened the meeting on behalf of the ISO/IEC 9075 Editor, at 09:50am. The following delegates were present:

Australia	Don Bartley	
Canada:	Baba Piprani	
	Mark Ashworth	
Germany:	Jörn Bartels	
Japan:	Takashi Kotera	小寺 孝
	Masashi Tsuchida	土田 正士
	Takaaki Shiratori	
United Kingdom:	Phil Brown	
United States:	Krishna Kulkarni	
	Jan-Eike Michels	
	Fred Zemke	
	Keith Hare (WG3 Convenor)	
	Jim Melton (ISO/IEC 9075 Editor)	

2 Distribution of Documents

*1 All documents that had been produced in advance of the meeting were available on a server to which all participants had access. Further documents were placed on this server as they were produced. A common document register was maintained for this meeting and the concurrent SC32/WG3 meeting.

3 Selection of Secretary and Resolution Recorder

*1 Phil Brown accepted the role of Secretary for the meeting. Krishna Kulkarni was appointed Resolution Recorder.

4 Approval of Agenda (WLG-000, November 28th version)

*1 Consideration of the minutes of the Berlin CD ballot resolution meeting minutes was introduced as item 5.1, with other items in section 5 moved down one place. Some paper references were updated.

The agenda, as modified, was approved. Further modifications were made during the course of the meeting as papers addressing ballot comments were attached to the relevant agenda items.

5 Minutes from Previous Meetings

5.1 Minutes from CD Editing Meeting, Berlin, Germany, 11th April – 22nd April 2005 (SC32 N1303, WLG-013)

*1 Approved without objection

6 Administrative Matters

6.1 Calling notice for CD Continuation Editing Meeting (SC32 N1343, WLG-019)

*1 Noted

6.2 Results of SC32 Ballot on CD 9075 (SC32 N01245, SC32 N01246, SC32 N01247, SC32 N01248, SC32 N01249, SC32 N01251, SC32 N01252, SC32 N01253)

*1 Noted

6.3 CD 9075 Consolidated Ballot Comments (WLG-014)

*1 Noted

7 National Body Opening Comments

*1 No National Body added to the opening comments they made in the concurrent Working Group meeting.

7.1 Australia

7.2 Belgium

7.3 Brazil

7.4 Canada

7.5 China

7.6 Czech Republic

7.7 Denmark

7.8 Egypt

7.9 Finland

7.10 Germany

7.11 Italy

7.12 Japan

7.13 Netherlands

7.14 Portugal

7.15 Republic of Korea

7.16 Sweden

7.17 United Kingdom

7.18 United States

7.19 Austria

7.20 France

7.21 Norway

7.22 Russian Federation

7.23 Switzerland

8 Resolution of Ballot Comments

8.1 Seq#003, NLD-P01-001 (WLG-091r1)

*5 Krishna Kulkarni introduced WLG-091r1, “Closing old LO’s”.

WLG-091r1 deletes Language Opportunities that have survived without action for five years or more.

During review of the list of LO’s, it was observed that Seq#169 had already been addressed and closed, that Seq#174 is already solved and that both Seq#175 and Seq#179 had been overtaken by events.

Jörn Bartels requested that Seq#366 and Seq#367 should be retained.

Fred Zemke requested that Seq#029 should be retained.

It was agreed that Seq#093 should be converted to a Possible Problem and retained.

WLG-091r1, as modified, was accepted without objection as resolution of Seq#003, Seq#028, Seq#043, Seq#044, Seq#045, Seq#047, Seq#048, Seq#050, Seq#057, Seq#058, Seq#061, Seq#074, Seq#075, Seq#081, Seq#082, Seq#088, Seq#089, Seq#108, Seq#109, Seq#134, Seq#166, Seq#167, Seq#168, Seq#170, Seq#171, Seq#172, Seq#173, Seq#174, Seq#175, Seq#176, Seq#177, Seq#178, Seq#179, Seq#180, Seq#181, Seq#182, Seq#190, Seq#191, Seq#192, Seq#193, Seq#194, Seq#195, Seq#196, Seq#197, Seq#198, Seq#199, Seq#200, Seq#201, Seq#202, Seq#203, Seq#204, Seq#205, Seq#206, Seq#207, Seq#208, Seq#209, Seq#210, Seq#211, Seq#212, Seq#213, Seq#215, Seq#216, Seq#218, Seq#279, Seq#280, Seq#281, Seq#282, Seq#314, Seq#315, Seq#316, Seq#317, Seq#318, Seq#319, Seq#320.

Comments Seq#029, Seq#093, Seq#366 and Seq#367, although addressed by WLG-091r1, remained open after processing of the paper.

8.2 Seq#004, GBR-P01-003 (WLG-095) (WLG-111)

*6 Jim Melton introduced WLG-095, “Resolving some administrative comments”.

There was some discussion about whether the change to Framework subclause 4.8.1, “Host languages” introduced in proposal section 1.2.1.1 removed the requirement that an implementation should support on of the defined set of standard host languages. There was consensus that the requirement should be retained and that the paragraph should be reworded to make this clear.

Proposal section 1.2.1.1 was modified by removing the proposed new text and deleting the word “only” from the first sentence.

Proposal section 1.2.2.1 was modified by including the deletion of the word “standard” from the second sentence of Syntax Rule 1 of Foundation subclause 20.1.

In the Note added by proposal section 3, both instances of “GR” were expanded to “General Rule”, and in the second sentence “invoked” was changed to “are invoked”.

It was noted that section 4 of the proposal closes comment Seq#011 with no action.

In proposal section 5.2.1.1, in each of the alternatives in the production for <edition date>, “edition number” was changed to “edition date”, and the same change was made in the left-hand sides of the nine productions immediately following that for <edition date>.

Proposal section 6.2.1.1 was modified to delete ", or in some other programming language supported by the SQL-implementation, that has no such corresponding data type," and to introduce the new paragraph as a Note, rather than normative text.

WLG-095, as amended, was accepted without objection as resolution of Seq#004, Seq#005, Seq#006, Seq#007, Seq#009, Seq#011, Seq#012, Seq#045a, Seq#132, Seq#227, Seq#231 and Seq#365.

*9 WLG-111, "WLG-095 change to CLI is incomplete", identifies places where WLG-095 omits changes to SQL/CLI that are needed for consistency.

WLG-111 was accepted without objection as modification of WLG-095.

8.3 Seq#005, GBR-P01-004 (WLG-095)

*6 See 8.2.

8.4 Seq#006, GBR-P01-005 (WLG-095)

*6 See 8.2.

8.5 Seq#007, GBR-P01-006 (WLG-095)

*6 See 8.2.

8.6 Seq#008, GBR-P01-007

8.7 Seq#009, NLD-P01-002 (WLG-095)

*6 See 8.2.

8.8 Seq#010, GBR-P01-008 (WLG-025)

*1 Fred Zemke introduced WLG-025, "Addressing GBR-P01-008".

WLG-025 was accepted without objection as resolution of comment Seq#010.

8.9 Seq#011, GBR-P01-009 (WLG-095)

*6 See 8.2.

8.10 Seq#012, GBR-P01-010 (WLG-095)

*6 See 8.2.

8.11 Seq#015, JPN-P01-001

8.12 Seq#021, NLD-P02-003 (WLG-080)

*4 Fred Zemke introduced WLG-080, "NLD-P02-003 – close with no action".

It was agreed without objection that WLG-080 should be accepted as resolution of Seq#021, closing the referenced Language Opportunity with no action.

8.13 Seq#022, NLD-P02-004

8.14 Seq#023, NLD-P02-005

8.15 Seq#024, NLD-P02-006

8.16 Seq#025, NLD-P02-007

8.17 Seq#028, NLD-P02-008 (WLG-091r1)

*5 Resolved, closed. See 8.1.

8.18 Seq#029, NLD-P02-009 (WLG-091r1)

*5 This was addressed by WLG-091r1, but the LO was retained. See 8.1.

8.19 Seq#030, NLD-P02-001 (WLG-033r2), (WLG-035r1, 2)

*2 Fred Zemke introduced WLG-033R2, "Cursor cleanup: Foundation", and related papers WLG-034R1, "Cursor cleanup: descriptors ", WLG-035R2, "Cursor cleanup: life cycle", WLG-036R1, "Cursor cleanup: modularization", WLG-037, "Cursor cleanup: names", WLG-038R1, "Cursor cleanup: close cursor", WLG-039R1, "Cursor cleanup: received cursors", WLG-040R1, "Cursor cleanup: positioned statements", WLG-041R1, "Cursor cleanup: dynamic properties", and WLG-042, "Cursor cleanup: <prepare

statement> LO". The related papers describe the changes proposed in WLG-033R1 in digestible, functionality-related chunks.

Phil Brown identified a minor wordsmithing change that would bring the descriptions of descriptor construction into the style used in other areas of SQL/Foundation. The author accepted that this change should be made, and said that it would be incorporated into a revised proposal.

It was agreed that the possible change discussed in WLG-042 should not be applied at this time, but could be reconsidered by National Bodies with a view to resolution of the issues at the next meeting. The corresponding change was removed from WLG-033.

WLG-033R2 as amended was accepted without objection as resolution of Seq#030, Seq#031, Seq#101, Seq#102, Seq#112, Seq#119, Seq#131 and Seq#153; and as partial resolution of catch-all comment Seq#156.

The author said that he would produce a further revision of WLG-033 incorporating the agreed changes.

8.20 Seq#031, NLD-P02-010 (WLG-033r2), (WLG-034r1)

*2 See 8.19.

8.21 Seq#032, NLD-P02-011 (WLG-106r1)

*9 Keith Hare introduced WLG-106r1, "Addressing Seq#032".

Section 3.2 of the proposal was modified by deleting "by an" from the introduced text.

It was noted that the change in section 4 pushed the existing sub-rues of the referenced rule down one level.

WLG-106r1, as modified, was accepted as resolution of Seq#032.

8.22 Seq#033, NLD-P02-012

8.23 Seq#034, NLD-P02-013

8.24 Seq#035, NLD-P02-014

8.25 Seq#036, NLD-P02-015

8.26 Seq#038, NLD-P02-016 (WLG-094)

*6 Fred Zemke introduced WLG-094, "Scope of a <correlation name>".

Fred remarked that scope was also defined in other places.

The Note modified by the proposal was further modified to be:

> NOTE nnn: The scope of a <correlation name> is defined in the Syntax Rules of Subclause 7.6, "<table reference>"), Subclause 11.39, "<trigger definition>" and in other places. Scopes may be nested. In different scopes, the same <correlation name>s that are equivalent <identifier>s may be associated with different tables or with the same table.

WLG-094, as amended, was accepted without objection as resolution of Seq#038.

8.27 Seq#039, NLD-P02-017

8.28 Seq#040, USA-P02-020

8.29 Seq#041, GBR-P02-005

8.30 Seq#042, GBR-P02-006 (WLG-073)

*4 Phil Brown introduced WLG-073, "Declared and implemented numeric precision".

Baba Piprani pointed out that changes to SQL/CLI will be needed if CLI is to be able to retrieve the new information from the Information Schema. Fred Zemke said that making additions to CLI and the Information Schema might not be effective if ODBC does not support them.

It was noted that the FIELDS and ATTRIBUTES views, and other views where precision is referenced, would need to be updated.

Fred Zemke said that the US would like a Conformance Rule covering support for the new columns in Schemata.

Jan-Eike Michels pointed out that the proposal does not put the columns into the Information Schema representation of the descriptor in the order in which they are created. After some discussion, it was agreed that the new items should appear together, rather than interleaved among related existing items.

It was agreed that there was no need to replicate the radix, as there were Syntax Rules that required that the implemented radix and declared radix were the same.

Fred Zemke suggested that there was no need to preserve the abbreviated forms of data type names, INT and DEC, because they were defined to be equivalent to their respective full forms.

Some detailed editing issues were pointed out to the author, who agreed to take them into account when producing a revised version of the paper.

*10 Phil Brown reported that he had not yet completed the revision of WLG-073. He said that he would post it to the WLG directory for information, and would submit a new version, taking into account any WLG changes that impact it, as UKB-015.

8.31 Seq#043, NLD-P02-018 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.32 Seq#044, NLD-P02-019 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.33 Seq#045, NLD-P02-020 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.34 Seq#045a, WG3-P02-001 (WLG-095)

*6 See 8.2.

8.35 Seq#046, GBR-P02-007

8.36 Seq#047, NLD-P02-021 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.37 Seq#048, NLD-P02-022 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.38 Seq#049, NLD-P02-023 (WLG-028)

*2 Fred Zemke introduced WLG-028, “Addressing NLD-P02-023”.

WLG-028 was accepted without objection as resolution of Seq#049.

8.39 Seq#050, NLD-P02-024 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.40 Seq#051, NLD-P02-025 (WLG-029)

*2 Fred Zemke introduced WLG-029, “Addressing NLD-P02-023”.

WLG-029 was accepted without objection as resolution of Seq#051.

8.41 Seq#052, NLD-P02-026 (WLG-030)

*2 Fred Zemke introduced WLG-030, “NLD-P02-026: already solved”.

WLG-030 was accepted without objection as resolution of Seq#052.

8.42 Seq#053, NLD-P02-027 (WLG-100)

*8 Krishna Kulkarni introduced WLG-100, “Addressing Seq#052, Seq#095, Seq#217, Seq#221 and Seq#229”.

The paper closes five comments with no action.

WLG-100 was accepted without objection as resolution of Seq#053, Seq#095, Seq#217, Seq#221 and Seq#209.

8.43 Seq#054, NLD-P02-028

8.44 Seq#055, NLD-P02-029 (WLG-081r1)

*4 Fred Zemke introduced WLG-081r1, “Defining character string operands”.

During discussion it was noticed that there were problems with the rules regarding collation that the paper should address.

The author agreed to produce a further revision of the proposal.

*5 Fred Zemke introduced WLG-081r2

WLG-081r2 was accepted without objection as resolution of Seq#055.

8.45 Seq#056, NLD-P02-030

8.46 Seq#057, NLD-P02-031 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.47 Seq#058, NLD-P02-032 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.48 Seq#060, GBR-P02-008

8.49 Seq#061, NLD-P02-033 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.50 Seq#062, GBR-P02-009 (WLG-022)

*1 Phil Brown introduced WLG-022, “Allowing Asterisk Accompaniment”.

Baba Piprani said that he liked the proposal, and later said that he and saw some merit in the uses of <asterisk>.

Krishna Kulkarni said that the USA took a contrary position, that the use of “SELECT <asterisk>” should be discouraged, even at the expense of simplification or regularization of the language. He said that use of “SELECT <asterisk>” leads to maintenance nightmares, and that the US delegation was not aware of any customer request or requirement for the feature proposed in WLG-022. The US delegation was directed to oppose the proposal, and if the function were accepted, then to request that it should not be included in core SQL.

Jörn Bartels said that the proposed functionality would be of no use to end users, who generally were not permitted to write SQL directly, and that most SQL was now generated by tools that always identified columns explicitly.

The proposal was rejected 1-2-2, with UK in favour, US and Germany against, Canada and Japan abstaining, and Australia absent.

It was agreed that Seq#062 should be marked as resolved with no action.

Following disposition of the proposal, it was agreed that the problem identified in passing and its solution documented in proposal item 3 should be accepted. Accordingly, the following modification to Syntax Rule 12)b) of subclause 7.12, “<query specification>”, in Part 2 was accepted:

> If the <select list> of *GWQ* **immediately** contains <asterisk> or **simply contains** <qualified asterisk>, then apply the syntactic transformations specified in Subclause 7.12, “<query specification>”.

8.51 Seq#063, GBR-P02-010 (WLG-064)

*4 Phil Brown introduced WLG-064r1, “Column Selection by Exclusion”.

Following discussion of the paper a majority position emerged that there should be no enhancements to the functionality around SELECT *, and that although the paper was technically acceptable, it should be rejected.

On a vote, approval of the paper was rejected 1-4-0 (UK for, Canada, Germany, Japan, USA against; Australia absent).

It was agreed that Seq#063 should be marked as resolved with no action

8.52 Seq#064, NLD-P02-034 (WLG-031)

*2 Fred Zemke introduced WLG-031, “Cursor cleanup: Foundation”.

WLG-031 was accepted without objection as resolution of Seq#064.

8.53 Seq#065, NLD-P02-035

8.54 Seq#066, USA-P02-030

8.55 Seq#067, NLD-P02-036

8.56 Seq#068, NLD-P02-037

8.57 Seq#069, USA-P02-035 (WLG-027) (WLG-074)

*2 Fred Zemke introduced WLG-027, “XQuery regular expression support”. Following his introduction he reviewed WLG-074, “Comment on WLG-027”.

Some questions were posed regarding the possible existence of similar developments in other standardization environments, for example in various SC22 (programming languages) Working Groups. It was not possible to answer such questions at that time.

Following his introduction of WLG-027, Fred Zemke led a review of WLG-074. Jim Melton remarked that use of keywords rather than comma-separated lists was a defence against conflicting intuitive understandings of the appropriate ordering of elements in comma-lists.

Phil Brown suggested that the introduction to WLG-027 should be retained somewhere in the standard, in Concepts or elsewhere. As an alternative, it could be captured as one of the SQL technical reports, or included in SD10.

Keith Hare took an action item to consider mechanisms, such as a technical report, for publication of the material from the introduction of WLG-027.

WLG-027 was accepted without objection as resolution of Seq#069.

It was agreed that there should be no action on WLG-074.

8.58 Seq#070, NLD-P02-038 (WLG-088)

*5 Fred Zemke introduced WLG-088, “Addressing Seq#070, NLD-P02-038”.

Proposal sections 3.1, 3.2 item 1 and 3.2 item 2 were modified to change the title of subclause 9.3 to “Result of data type combinations”.

WLG-088, as modified, was accepted without objection as resolution of Seq#070.

8.59 Seq#071, NLD-P02-039 (WLG-082)

*4 Krishna Kulkarni introduced WLG-082, “Closing LOs related to row type”.

WLG-082 was accepted without objection as resolution of Seq#071, Seq#079, Seq#107, Seq#111, Seq#183, Seq#184, Seq#185, Seq#186, Seq#187, Seq#188 and Seq#189 by deleting the referenced Language Opportunities

8.60 Seq#072, NLD-P02-040

8.61 Seq#073, NLD-P02-041

8.62 Seq#074, NLD-P02-042 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.63 Seq#075, NLD-P02-043 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.64 Seq#076, JPN-P02-002

8.65 Seq#077, NLD-P02-044

8.66 Seq#078, NLD-P02-045

8.67 Seq#079, NLD-P02-046 (WLG-082)

*4 See 8.59.

8.68 Seq#080, NLD-P02-047

8.69 Seq#081, NLD-P02-048 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.70 Seq#082, NLD-P02-049 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.71 Seq#083, USA-P02-040

8.72 Seq#084, USA-P02-050

8.73 Seq#085, NLD-P02-050 (WLG-105)

*9 Fred Zemke introduced WLG-105, "<subquery> cleanup".

Jim Melton asked whether WLG-105 also resolved Seq#067. Fred's response was that he had at first thought it might, but there were some further points from Seq#067 that would have complicated the current paper and delayed its completion.

WLG-105 was accepted without objection as resolution of Seq#085.

8.74 Seq#086, NLD-P02-051 (WLG-099)

*8 Jan-Eike Michels introduced WLG-099, "Addressing Seq#086".

WLG-099 was accepted without objection as resolution of Seq#086.

8.75 Seq#087, USA-P02-060

8.76 Seq#088, NLD-P02-052 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.77 Seq#089, NLD-P02-053 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.78 Seq#090, NLD-P02-054

8.79 Seq#091, NLD-P02-165

8.80 Seq#092, NLD-P02-057

8.81 Seq#093, NLD-P02-055 (WLG-091r1)

*5 This was addressed by WLG-091r1, but the LO was converted to a minor technical Possible Problem.

The comment remains open. See 8.1.

8.82 Seq#094, NLD-P02-056

8.83 Seq#095, NLD-P02-058 (WLG-100)

*8 Seq#095 was closed with no action. See 8.42.

8.84 Seq#096, NLD-P02-059

8.85 Seq#098, NLD-P02-060

8.86 Seq#099, NLD-P02-061

8.87 Seq#100, GBR-P02-011

8.88 Seq#101, GBR-P02-012 (WLG-033r2), (WLG-035r1), (WLG-036r1)

*2 See 8.19.

8.89 Seq#102, GBR-P02-013 (WLG-033r2), (WLG-034r1)

*2 See 8.19.

8.90 Seq#103, NLD-P02-062 (WLG-096)

*6 Fred Zemke introduced WLG-096, "Evaluating <search conditions>".

Throughout the proposal, each instance of “evaluated for” in new or replacement text was changed to “effectively evaluated for”. Instances of “evaluated” not immediately followed by “for” are not affected by this change.

WLG-096, as amended, was accepted without objection as resolution of Seq#103.

8.91 Seq#105, NLD-P02-063

8.92 Seq#106, USA-P02-080

8.93 Seq#107, NLD-P02-064 (WLG-082)

*4 See 8.59.

8.94 Seq#108, NLD-P02-065 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.95 Seq#109, NLD-P02-066 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.96 Seq#111, NLD-P02-067

*4 See 8.59.

8.97 Seq#112, GBR-P02-014 (WLG-033r1), (WLG-034r1)

*2 See 8.19.

8.98 Seq#113, NLD-P02-068

8.99 Seq#114, NLD-P02-069

8.100 Seq#115, NLD-P02-070

8.101 Seq#116, NLD-P02-071

8.102 Seq#117, NLD-P02-072

8.103 Seq#118, NLD-P02-073

8.104 Seq#119, NLD-P02-074 (WLG-033r2), (WLG-035r1)

*2 See 8.19

8.105 Seq#120, NLD-P02-075

8.106 Seq#121, NLD-P02-076

8.107 Seq#122, NLD-P02-077

8.108 Seq#123, NLD-P02-078 (WLG-033r2), (WLG-042)

*2 The change proposed in WLG-042, “Cursor cleanup: <prepare statement> LO”, was reviewed in the general presentation of papers related to WLG-033. However, the author withdrew the proposed change.

See 8.19.

8.109 Seq#126, NLD-P02-079

8.110 Seq#127, NLD-P02-080

8.111 Seq#128, NLD-P02-081

8.112 Seq#129, NLD-P02-082 (WLG-089)

*5 Jan-Eike Michels introduced WLG-089, “Addressing Seq#129 & Seq#270”.

The possibility of introducing a new feature was discussed, but there was consensus that it was not necessary.

WLG-089 was accepted without objection as resolution of Seq#129 and Seq#270.

8.113 Seq#130, NLD-P02-083 (WLG-103)

*8 Jim Melton introduced WLG-103, “Subclause Invocation”.

It was agreed that the Editors should be granted authority to modify rules that specify subclause invocation in such a way that they conform to the established editorial conventions without explicit reference to the Working Group. If they identify problems that do not have sufficiently obvious solutions, then they should raise a Possible Problem.

The example identified in section 1.1.2 of WLG-103 was resolved by modifying Syntax Rule 3)a)ii) of Subclause 14.5, "<select statement: single row>" as indicated:

ii) Otherwise, the Syntax Rules of Subclause 9.1, "Retrieval assignment", apply to *TS* and **an arbitrary value of** the row type of table *T* as *TARGET* and *VALUE*, respectively.

WLG-103, as modified, was accepted without objection as resolution of Seq#155. Comment Seq#130 remains open.

*9 It was subsequently observed that comments Seq#254 and Seq#312 are identical to Seq#155, and it was agreed that they should also be marked as closed by WLG-103.

8.114 Seq#131, NLD-P02-084 (WLG-033r2), (WLG-040r1)

*2 See 8.19.

8.115 Seq#132, GBR-P02-015 (WLG-095)

*6 See 8.2.

8.116 Seq#133, NLD-P02-086

8.117 Seq#134, NLD-P02-085 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.118 Seq#135, NLD-P02-087 (WLG-072)

*7 WLG-072, "Native COBOL syntax for XML support", was noted as being relevant to Seq#135.

No action was taken on WLG-072, which describes COBOL support for XML, but does not contain specific proposals directly relevant to SQL. Seq#135 remains open.

8.119 Seq#136, NLD-P02-088 (WLG-104)

*8 Jan-Eike Michels introduced WLG-104, "Addressing Seq#136".

It was noted that proposal section 3.1 gives the wrong title for subclause 22.1. It should be "<get diagnostics statement>".

In proposal item 1 of section 3.1, instead of splitting case b) of Syntax Rule 6 of subclause 22.1 into two subrules, the two subrules were promoted to be cases b) and c) of Syntax Rule 6.

WLG-104, as modified, was accepted without objection as resolution of Seq#136.

8.120 Seq#141, NLD-P02-089

8.121 Seq#142, NLD-P02-090

8.122 Seq#143, NLD-P02-091

8.123 Seq#144, NLD-P02-092

8.124 Seq#145, NLD-P02-093

8.125 Seq#146, NLD-P02-094

8.126 Seq#147, NLD-P02-095

8.127 Seq#148, NLD-P02-096

8.128 Seq#149, AUS-P02-001

8.129 Seq#152, JPN-P02-001

8.130 Seq#153, NLD-P02-097 (WLG-033r2), (WLG-039r1)

*2 See 8.19.

8.131 Seq#154, NLD-P02-161

8.132 Seq#155, NLD-P02-163 (WLG-103)

*8 See 8.113.

8.133 Seq#157, USA-P02-180

8.134 Seq#158, USA-P02-190

8.135 Seq#159, USA-P02-200 (WLG-032) (WLG-075, WLG-076, WLG-079)

*3 Jan_Eike Michels introduced WLG-032, "BINARY/VARBINARY data types" and the associated papers WLG-075, "CLI and the new BINARY/VARBINARY data types", WLG-076, "OLB and the new BINARY/VARBINARY data types", and WLG-079, "MED – Binary types". It was noted that the other papers addressed the Language Opportunities identified in WLG-032.

Proposal section 3.2 was modified to place the new Annex B entry in a separate List Item corresponding to the new subclause introduced in proposal item 1 of section 3.1 of WLG-032.

It was agreed that, as the Language Opportunities identified in WLG-032 had been addressed, they would not be added to the ISO/IEC 9075 Working Drafts.

WLG-032, WLG-075, WLG-076 and WLG-079 were accepted without objection as resolution of Seq#159.

8.136 Seq#160, USA-P02-210

8.137 Seq#161, USA-P02-220

8.138 Seq#162, USA-P02-225

8.139 Seq#163, USA-P02-235

8.140 Seq#164, USA-P02-240

8.141 Seq#165, NLD-P02-098

8.142 Seq#166, NLD-P02-099 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.143 Seq#167, NLD-P02-100 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.144 Seq#168, NLD-P02-101 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.145 Seq#169, NLD-P02-102 (WLG-091r1)

*5 Resolved, LO already closed. See 8.1.

8.146 Seq#170, NLD-P02-103 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.147 Seq#171, NLD-P02-104 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.148 Seq#172, NLD-P02-105 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.149 Seq#173, NLD-P02-106 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.150 Seq#174, NLD-P02-107 (WLG-091r1)

*5 Resolved, LO already addressed. See 8.1.

8.151 Seq#175, NLD-P02-108 (WLG-091r1)

*5 Resolved, LO overtaken by events. See 8.1.

8.152 Seq#176, NLD-P02-109 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.153 Seq#177, NLD-P02-110 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.154 Seq#178, NLD-P02-111 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.155 Seq#179, NLD-P02-112 (WLG-091r1)

*5 Resolved, LO overtaken by events. See 8.1.

8.156 Seq#180, NLD-P02-113 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.157 Seq#181, NLD-P02-114 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.158 Seq#182, NLD-P02-115 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.159 Seq#183, NLD-P02-116 (WLG-082)

*4 See 8.59

8.160 Seq#184, NLD-P02-117 (WLG-082)

*4 See 8.59

8.161 Seq#185, NLD-P02-118 (WLG-082)

*4 See 8.59

8.162 Seq#186, NLD-P02-119 (WLG-082)

*4 See 8.59

8.163 Seq#187, NLD-P02-120 (WLG-082)

*4 See 8.59

8.164 Seq#188, NLD-P02-121 (WLG-082)

*4 See 8.59

8.165 Seq#189, NLD-P02-122 (WLG-082)

*4 See 8.59

8.166 Seq#190, NLD-P02-123 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.167 Seq#191, NLD-P02-124 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.168 Seq#192, NLD-P02-125 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.169 Seq#193, NLD-P02-126 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.170 Seq#194, NLD-P02-127 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.171 Seq#195, NLD-P02-128 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.172 Seq#196, NLD-P02-129 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.173 Seq#197, NLD-P02-130 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.174 Seq#198, NLD-P02-131 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.175 Seq#199, NLD-P02-132 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.176 Seq#200, NLD-P02-133 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.177 Seq#201, NLD-P02-134 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.178 Seq#202, NLD-P02-135 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.179 Seq#203, NLD-P02-136 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.180 Seq#204, NLD-P02-137 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.181 Seq#205, NLD-P02-138 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.182 Seq#206, NLD-P02-139 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.183 Seq#207, NLD-P02-140 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.184 Seq#208, NLD-P02-141 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.185 Seq#209, NLD-P02-142 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.186 Seq#210, NLD-P02-143 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.187 Seq#211, NLD-P02-144 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.188 Seq#212, NLD-P02-145 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.189 Seq#213, NLD-P02-146 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.190 Seq#214, NLD-P02-147 (WLG-084r1)

*4 Keith Hare introduced WLG-084r1, “Resolve NLD-P02-147, Seq#214”.

WLG-084r1 was accepted without objection as resolution of Seq#214, deleting Language Opportunity FND791.

8.191 Seq#215, NLD-P02-148 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.192 Seq#216, NLD-P02-149 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.193 Seq#217, NLD-P02-150 (WLG-100)

*8 Seq#217 was closed with no action. See 8.42.

8.194 Seq#218, NLD-P02-151 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.195 Seq#219, NLD-P02-152

8.196 Seq#220, NLD-P02-153

8.197 Seq#221, NLD-P02-154 (WLG-100)

*8 Seq#221 was closed with no action. See 8.42.

8.198 Seq#222, NLD-P02-155

8.199 Seq#223, NLD-P02-156

8.200 Seq#224, NLD-P02-157

8.201 Seq#225, NLD-P02-158

8.202 Seq#226, NLD-P02-159

8.203 Seq#227, NLD-P02-160 (WLG-095)

*6 See 8.2.

8.204 Seq#228, NLD-P02-162

8.205 Seq#229, NLD-P02-164 (WLG-100)

*8 Seq#229 was closed with no action. See 8.42.

8.206 Seq#231, GBR-P03-001 (WLG-095)

*6 See 8.2.

8.207 Seq#234, GBR-P03-003 (WLG-109)

*9 Tsuchida-san introduced WLG-109, “Resolving Seq#234 and Seq#236”.

In section 2.1.2, in the change to the third paragraph of subclause 4.3, the new text was changed from “the rowset” to “the resulting rowset”.

In the original text in subclause 4.3, “warnings generated” was changed to “warnings are generated”.

WLG-109, as amended, was accepted without objection as resolution of Seq#234 and Seq#236.

8.208 Seq#235, GBR-P03-004

8.209 Seq#236, GBR-P03-005 (WLG-109)

*9 See 8.207.

8.210 Seq#237, NLD-P03-007

8.211 Seq#238, NLD-P03-001

8.212 Seq#239, NLD-P03-008

8.213 Seq#240, NLD-P03-002 (WLG-060)

*4 Keith Hare introduced WLG-060, “Unconforming the General Rules” – a reissue of TXL-085”.

WLG-060 was accepted without objection as resolution of Seq#240.

8.214 Seq#241, NLD-P03-006

8.215 Seq#242, NLD-P03-003

8.216 Seq#243, GBR-P03-008

8.217 Seq#244, GBR-P03-006

8.218 Seq#245, NLD-P03-012

8.219 Seq#247, GBR-P03-009

8.220 Seq#248, NLD-P03-004

8.221 Seq#249, NLD-P03-013

8.222 Seq#250, NLD-P03-009

*10 US proposes that the Ballot Resolution meeting rejects the comment and directs the editor to delete the referenced LO. Canada seconds. Accepted without objection.

8.223 Seq#253, JPN-P03-001

8.224 Seq#254, NLD-P03-005 (WLG-103)

*9 See 8.113.

8.225 Seq#256, NLD-P03-010

8.226 Seq#257, NLD-P03-011

8.227 Seq#259, NLD-P04-001

8.228 Seq#260, NLD-P04-002

8.229 Seq#261, NLD-P04-003

8.230 Seq#262, NLD-P04-004

8.231 Seq#263, NLD-P04-010

8.232 Seq#264, NLD-P04-011

8.233 Seq#267, NLD-P04-005

8.234 Seq#268, NLD-P04-006

8.235 Seq#270, NLD-P04-015 (WLG-089)

*5 See 8.112.

8.236 Seq#271, DEU-P04-020 (WLG-097)

*8 Jörn Bartels introduced WLG-097, “Consolidation of privilege tables”.

Jörn reported that although work on WLG-097 had started with the intention of resolving comment Seq#271, the problem had turned out to have considerable ramifications. The intention was not to increase or reduce the information available to the user, but to make access to that information simpler.

During discussion, several additions to the changes proposed in the paper were identified. In particular, information about the UNDER privilege that should be available was not currently accessible. It was agreed that the substantive propose should permit access to this information.

Some existing views would no longer be needed, and so were candidates for deprecation. It was agreed that potential deprecation should be presented in a separate paper.

WLG-097 was accepted as a discussion paper, addressing, but not closing, comments Seq#271, Seq#272 and Seq#395.

8.237 Seq#272, DEU-P04-030 (WLG-097)

*8 Addressed but not resolved by WLG-097. See 8.236.

8.238 Seq#273, AUS-P04-001

8.239 Seq#276, JPN-P04-001

8.240 Seq#277, NLD-P04-007

8.241 Seq#279, NLD-P04-008 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.242 Seq#280, NLD-P04-009 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.243 Seq#281, NLD-P04-012 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.244 Seq#282, NLD-P04-013 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.245 Seq#283, NLD-P04-014

*10 Closed with no action as it duplicates Seq#277.

8.246 Seq#287, GBR-P09-004 (WLG-090)

*5 Keith Hare introduced WLG-090r1, “Addressing Seq#287, GBR-P09-004”.

WLG-090r1 was accepted without objection as resolution of Seq#287 and Seq#304.

8.247 Seq#289, GBR-P09-005

8.248 Seq#290, NLD-P09-001 (WLG-078)

*5 Jörn Bartels introduced WLG-078r1, “Improval of the integration of MED into SCHEMATA”.

In proposal section 3.1.8, three instances of “FOREIGN-DATA” were changed to “FOREIGN DATA”: two instances in the ‘Augment’ instructions, and one further instance in the left-hand column under ‘Description’. In the right-hand column, ‘Foreign-Data Wrapper’ was changed to ‘foreign-data wrapper’ and ‘Foreign-Server’ was changed to ‘foreign-server’.

WLG-078r1, as amended, was accepted without objection as resolution of Seq#290,Seq#292, Seq#293, Seq#298, Seq#299, Seq#301, Seq#302, Seq#303 and Seq#323.

8.249 Seq#291, NLD-P09-002 (WLG-078)

*5 See 8.248.

8.250 Seq#292, NLD-P09-003 (WLG-078)

*5 See 8.248.

8.251 Seq#293, NLD-P09-004 (WLG-078)

*5 See 8.248.

8.252 Seq#296, NLD-P09-005 (WLG-085)

*4 Jan-Eike Michels introduced WLG-085, “Fixing DATA_TYPE_DESCRIPTOR base table”.

WLG-085 was accepted without objection as resolution of Seq#296 and Seq#297 and partial resolution of Seq#413.

8.253 Seq#297, DEU-P09-030 (WLG-085)

*4 See 8.252

8.254 Seq#298, DEU-P09-050 (WLG-078)

*5 See 8.248.

8.255 Seq#299, DEU-P09-060 (WLG-078)

*5 See 8.248.

8.256 Seq#300, NLD-P09-006

8.257 Seq#301, DEU-P09-070 (WLG-078)

*5 See 8.248.

8.258 Seq#302, DEU-P09-080 (WLG-078)

*5 See 8.248.

8.259 Seq#303, DEU-P09-090 (WLG-078)

*5 See 8.248.

8.260 Seq#304, GBR-P09-006 (WLG-090r1)

*5 See 8.246.

8.261 Seq#305, GBR-P09-007

8.262 Seq#306, GBR-P09-008

8.263 Seq#307, GBR-P09-009

8.264 Seq#310, GBR-P09-010

8.265 Seq#311, JPN-P09-001 (WLG-095)

*6 See 8.2.

8.266 Seq#312, NLD-P09-009 (WLG-103)

*9 See 8.113.

8.267 Seq#314, NLD-P09-010 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.268 Seq#315, NLD-P09-011 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.269 Seq#316, NLD-P09-012 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.270 Seq#317, NLD-P09-013 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.271 Seq#318, NLD-P09-014 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.272 Seq#319, NLD-P09-015 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.273 Seq#320, NLD-P09-016 (WLG-091r1)

*5 Resolved, LO deleted. See 8.1.

8.274 Seq#321, NLD-P09-017

8.275 Seq#322, NLD-P09-018

8.276 Seq#323, NLD-P09-008 (WLG-078)

*5 See 8.248.

8.277 Seq#328, GBR-P10-005 (WLG-045)

*2 Krishna Kulkarni introduced WLG-045, “Minor Technical Issue 328 (GBG-P10-005)”. WLG-045 was accepted without objection as resolution of Seq#328.

8.278 Seq#330, GBR-P10-022 (WLG-046)

*2 Krishna Kulkarni introduced WLG-046, “Major Editorial Issue 330 (GBG-P10-022)”.

WLG-046 was accepted without objection as resolution of Seq#330.

8.279 Seq#331, GBR-P10-009 (WLG-047)

*2 Krishna Kulkarni introduced WLG-047, “Minor Technical Issue 331 (GBR-P10-009) and Minor Editorial Issue 333 (GBR-P10-008)”.

A proposal item was added to amend the first sentence of subclause 4.23 of SQL Foundation as indicated:

> An <embedded SQL host program> ~~(<embedded SQL Ada program>, <embedded SQL C program>, <embedded SQL COBOL program>, <embedded SQL Fortran program>, <embedded SQL MUMPS program>, <embedded SQL Pascal program>, or <embedded SQL PL/I program>)~~ is a compilation unit that consists of programming language text and SQL text.

WLG-047, as amended, was accepted without objection as resolution of Seq#330 (with no action) and Seq#333.

8.280 Seq#333, GBR-P10-008 (WLG-047)

*2 See 7.279.

8.281 Seq#334, NLD-P10-012

8.282 Seq#335, GBR-P10-010 (WLG-048)

*2 Krishna Kulkarni introduced WLG-048, “Major Editorial Issue 335 (GBR-P10-010)”.

WLG-048 was accepted without objection as resolution of Seq#335.

8.283 Seq#336, GBR-P10-021

8.284 Seq#338, GBR-P10-012 (WLG-053)

*3 Jan-Eike Michels introduced WLG-053, “Minor Technical Issue 338 (GBR-P10-012) P10-4.17.1”.

WLG-053 was accepted without objection as resolution of Seq#338.

8.285 Seq#339, GBR-P10-013 (WLG-054)

*3 Jan-Eike Michels introduced WLG-054, “Minor Technical Issue 339 (GBR-P10-013) getResultSet()”.

WLG-054 was accepted without objection as resolution of Seq#339.

8.286 Seq#340, GBR-P10-014

8.287 Seq#341, GBR-P10-015

8.288 Seq#342, GBR-P10-016

8.289 Seq#343, NLD-P10-004

8.290 Seq#344, NLD-P10-001

8.291 Seq#345, NLD-P10-005 (WLG-057)

*3 Jan-Eike Michels introduced WLG-057, “Minor Technical Issue 345 (NLD-P10-005) LO OLB-010 and Minor Technical Issue 346 (NLD-P10-006) LO OLB-011”.

WLG-057 was accepted without objection as resolution of comments Seq#345 and Seq#346.

8.292 Seq#346, NLD-P10-006 (WLG-057)

*3 See 7.291.

8.293 Seq#347, GBR-P10-017

8.294 Seq#351, JPN-P10-001

8.295 Seq#353, NLD-P10-002

8.296 Seq#354, NLD-P10-003

8.297 Seq#355, NLD-P10-007 (WLG-055)

*3 Jan-Eike Michels introduced WLG-055, “Minor Technical Issue 355 (NLD-P10-007) LO OLB-014”.

WLG-055 was accepted without objection as resolution of Seq#355.

8.298 Seq#356, NLD-P10-008

8.299 Seq#357, NLD-P10-009

8.300 Seq#358, NLD-P10-010

8.301 Seq#359, NLD-P10-011 (WLG-051)

*3 Jan-Eike Michels introduced WLG-051, "Minor Technical Issue 359 (NLD-P10-011)".

WLG-051 was accepted without objection as resolution of Seq#359.

8.302 Seq#360, NLD-P10-013

8.303 Seq#361, NLD-P10-014

8.304 Seq#362, GBR-P10-018 (WLG-052) (WLG-071) (WLG-092) (WLG-101)

*4 Jan-Eike Michels introduced WLG-052, "Major Editorial Issue 362 (GBR-P10-018)". Phil Brown introduced WLG-071, "Alternatives to WLG-052".

WLG-092, "Response to Phil", was produced containing Chris Farrar's response to an early draft of WLG-071. In order to permit study of the issues, further discussion was deferred.

*9 Phil Brown introduced WLG-101, "Merge of WLG-052 and WLG-071 for #362", which contained a review of comments on each proposal item from WLG-052 together with input from WLG-071 and WLG-092.

The US delegation had sent WLG-101 to Chris Farrar for review and had received further comments. This US response maintained the original position of WLG-052 that "SQL-implementation" was the appropriate replacement for most instances of "database" in SQL/OLB. Given the extensive use of "SQL-implementation" in other parts of the standard, the author of WLG-071 agreed to use of the term, rather than more specific terms.

After review of WLG-101 and the US response, it was agreed that Phil Brown should produce an update of WLG-101. It should contain only change instructions and reflect specific points identified during the meeting.

- Except there is specific agreement, "database" should be changed to "SQL-implementation".
- The title of subclauses 4.8 and E.4.4 should be changed to "Connection contexts"
- "SQL-server" should be used in subclause 4.11 as replacement for "database server". Chris Farrar should be requested to document as a Possible Problem the rationale for a further change.
- In subclause 4.21.1, although there is a case for "SQL-clients", "SQL-implementations" should replace "databases".
- "SQL-server" should be retained as replacement for "database" in the fourth paragraph of subclause 4.21.4, (which is being moved to Annex E).
- The combination of SQL and Java source language should be referred to in a uniform style throughout the proposed changes.

8.305 Seq#363, GBR-P10-019

8.306 Seq#364, GBR-P10-020

8.307 Seq#365, GBR-P11-001

8.308 Seq#366, NLD-P11-016 (WLG-091r1)

*5 This was addressed by WLG-091r1, but the LO was retained. The comment remained open. See 8.1.

8.309 Seq#367, NLD-P11-017 (WLG-091r1)

*5 This was addressed by WLG-091r1, but the LO was retained. The comment remained open. See 8.1.

8.310 Seq#368, NLD-P11-001

8.311 Seq#369, NLD-P11-011

8.312 Seq#370, NLD-P11-013

8.313 Seq#372, NLD-P11-012

8.314 Seq#373, DEU-P11-040 (WLG-063r1)

*3 Jörn Bartels introduced WLG-063r1, "Deleting deprecated features in Schemata".

There was some discussion of the deletion of the COLLATIONS_S short names view. It was agreed that the view should be retained, but deprecated.

It was agreed that entries identifying the deleted items should be added to the Incompatibilities Annex.

Jörn accepted an action item to ensure that the necessary items for the Incompatibilities Annex are defined.

Subject to the decisions recorded above, WLG-063r1 was accepted as resolution of Seq#373, Seq#378, Seq#381 and Seq#407.

8.315 Seq#374, NLD-P11-019 (WLG-107)

*9 Jörn Bartels introduced WLG-107, "Introducing privilege-privilege dependencies" as a discussion paper.

The paper was not processed as a change proposal because of dependence on a proposal that has not yet been processed.

Fred Zemke cast doubts on the need for and utility of the proposed Base Table and View, since privilege-privilege dependencies were only a subset of more general dependencies.

8.316 Seq#375, DEU-P11-050 (WLG-024, WLG-024r2)

*1 Jörn Bartels introduced WLG-024, "Addressing a couple of simple problems in SCHEMATA".

After, discussion, some problems were identified in the paper. Jörn agreed to produce a revision of the paper to take into account the points raised in discussion. Action was deferred until the revised proposal was available.

*3 Jörn Bartels introduced WLG-024R2.

After discussion, the new text introduced as General Rule 4)g)i) was changed to

i) If the <column definition> specifies a <generation clause>, then:
- an indication that the column is 'ALWAYS' generated;
- GE.

WLG-024R2, as amended, was accepted without objection as resolution of Seq#375, Seq#382, Seq#396, Seq#397, Seq#401, Seq#403, Seq#404, Seq#405and Seq#406.

8.317 Seq#377, NLD-P11-005

8.318 Seq#378, DEU-P11-070 (WLG-063r1)

*3 See 8.314

8.319 Seq#379, DEU-P11-080 (WLG-077)

*4 Jörn Bartels introduced WLG-077, "Adding a foreign key to COLLATIONS base table".

WLG-077 was accepted without objection as resolution of Seq#379.

Jörn Bartels took an action item to produce proposals to address the Possible Problems identified in WLG-077.

8.320 Seq#381, DEU-P11-090 (WLG-063r1)

*3 See 8.314

8.321 Seq#382, DEU-P11-110 (WLG-024)

*1 See 7.316

8.322 Seq#383, NLD-P11-002

8.323 Seq#384, NLD-P11-008

8.324 Seq#385, NLD-P11-009

8.325 Seq#386, NLD-P11-010

8.326 Seq#387, DEU-P11-120 (WLG-108)

*9 Jörn Bartels introduced WLG-108, “Another cleanup of DTD table”.

There was some discussion, which did not reach consensus, on the information that could be assumed to be known about a catalogue that was known about but was not in the current Definition Schema.

WLG-108 was accepted as resolution of Seq#387 and Seq#388.

8.327 Seq#388, DEU-P11-130 (WLG-108)

*9 See 8.326.

8.328 Seq#392, DEU-P11-170 (WLG-083)

*5 Jörn Bartels introduced WLG-083, “Improving Parameters table”.

Canada, Germany and Japan were in favour of the proposal, but USA and UK abstained. This was sufficient for the proposal to be accepted.

WLG-083 was accepted as resolution of Seq#392 and Seq#394.

8.329 Seq#394, DEU-P11-190 (WLG-083)

*5 See 8.328.

8.330 Seq#395, DEU-P11-200 (WLG-097)

*8 Addressed but not resolved by #WLG-097. See 8.236.

8.331 Seq#396, NLD-P11-003 (WLG-024)

*1 See 7.316

8.332 Seq#397, DEU-P11-210 (WLG-024)

*1 See 7.316

8.333 Seq#398, NLD-P11-006

8.334 Seq#399, NLD-P11-014

8.335 Seq#400, NLD-P11-007

8.336 Seq#401, DEU-P11-220 (WLG-024)

*1 See 7.316

8.337 Seq#402, DEU-P11-230

8.338 Seq#403, DEU-P11-240 (WLG-024)

*1 See 7.316

8.339 Seq#404, DEU-P11-250 (WLG-024)

*1 See 7.316

8.340 Seq#405, NLD-P11-004 (WLG-024)

*1 See 7.316

8.341 Seq#406, DEU-P11-260 (WLG-024)

*1 See 7.316

8.342 Seq#407, DEU-P11-270 (WLG-063r1)

*3 See 8.314

9 Resolution of "Catch-All" Ballot Comments

*1 Krishna Kulkarni introduced WLG-026, "Extend Unicode Normalization Options".

WLG-026 was accepted without objection as partial resolution of catch-all comment Seq#156, USA-P02-999.

9.26 Seq#278, Cursor cleanup: Cursor cleanup: PSM (WLG-043R1)

*2 Fred Zemke introduced WLG-043R1, "Cursor cleanup: Cursor cleanup: PSM".

WLG-043 was accepted without objection as partial resolution of catch-all comment Seq#278.

9.27 A possible problem with the naming of result set cursors (WLG-044)

*3 Krishna Kulkarni introduced WLG-044, "A possible problem with the naming of result set cursors".

It was agreed that the Possible Problem identified in WLG-044 should be recorded in the Editor's Notes of the Working Draft.

9.28 Seq#348, Finish Minor Technical Issue 348 (GBR-P10-017) (WLG-049)

*3 Krishna Kulkarni introduced WLG-049, "Finish Minor Technical Issue 348 (GBR-P10-017)".

WLG-049 was accepted without objection as further resolution of Seq#348.

9.29 Seq#352, Major Technical Issue 352 (USA-P10-999) (WLG-050)

*3 Krishna Kulkarni introduced WLG-050, "Major Technical Issue 352 (USA-P10-999)".

WLG-050 was accepted without objection as partial resolution of catch-all comment Seq#352.

9.30 Seq#352, Major Technical Issue 352 (USA-P10-999): Implementation-defined (WLG-056)

*3 Jan-Eike Michels introduced WLG-056, "Minor Technical Issue 345 (NLD-P10-005) LO OLB-010 and Minor Technical Issue 346 (NLD-P10-006) LO OLB-011".

WLG-056 was accepted without objection as partial resolution of Seq#352.

9.31 Seq#255, Dynamic SQL/XML (WLG-058)

*3 Fred Zemke introduced WLG-058, "Dynamic SQL/XML", which proposed one change that was applicable to the SQL/Foundation CD.

The change to SQL/Foundation proposed in WLG-058 was accepted without objection as partial resolution of Seq#255.

9.32 Seq#255, Completing the work that DRS-136 claimed to do (WLG-061)

*4 Keith Hare introduced WLG-061, "Completing the work that DRS-136 claimed to do".

During discussion Jan-Eike Michels raised the fact that the Incompatibilities Annex in SQL/CLI contained some out of date references.

WLG-061 was amended to delete entry 1 from Annex E, which should be renamed to refer to ISO/IEC 9075-4:2003. The Editor undertook to review and correct the Annexes.

WLG-061, as amended, was accepted without objection as partial resolution of Seq#255.

9.33 Seq#255, Deleting deprecated features in Foundation (WLG-062)

*4 Jörn Bartels introduced WLG-062, "Deleting deprecated features in Foundation".

A proposal item was added insert an entry in Annex E "Incompatibilities with ISO/IEC 9075:2003" to indicate that use of the keyword "EXCEPTION" as a synonym for the keyword "CONDITION" is no longer supported.

WLG-062, as amended, was accepted without objection as partial resolution of Seq#255.

9.34 Seq#151, Parenthesizing <joined table>s (WLG-065)

*3 Fred Zemke presented WLG-065, "Parenthesizing <joined table>s".

The US proposed that there should be a Conformance Rule to cover the enhanced functionality re-introduced by this proposal. In favour: US; against Canada, Germany, UK; abstain Japan

WLG-065 was accepted as written as partial resolution of catchall comment Seq#151.

9.35 Seq#156, (USA-P02-999) Cleanup of <query expression> (WLG-066)

*4 Jan-Eike Michels introduced WLG-066, "Cleanup of <query expression>".

WLG-066 was accepted without objection as partial resolution of catch-all comment Seq#156.

It was noted that proposal section 5 makes a change to subclause 7.2, "<query expression>" in the SQL/XML Working Draft and that proposal section 6 adds an item to the SQL:2003 TC.

9.36 Report of several issues in SQL/JRT (WLG-070) (WLG-093) (WLG-098r1)

*4 Kotera-san introduced WLG-070, "Report of several issues in SQL/JRT".

The paper identifies a number of issues. In some cases, but not in all, the correction is obvious. However, in others it is not.

Jim Melton said that the changes implicit in section 1.3 of the proposal were not necessarily correct. Chris Farrar of the USA had responded to some of the points raised in WLG-070, including this one. Chris's response was made available to the group as WLG-093.

Kotera-san agreed to produce a revised paper that would take Chris Farrar's comments into account.

Phil Brown observed that there appeared to be an inconsistency between the Conformance Rules referenced in section 1.1 (after applying the correction described in WLG-093) and some Conformance Rules in SQL/Foundation. The implied effect was that SQL language that was conforming with respect to an implementation that did not support SQL/JRT would become non-conforming if JRT support without feature J611 were added to the implementation. Phil accepted an action to review the extent of such CR incompatibilities

*8 Kotera-san introduced WLG-098r1, "Resolutions of issues reported by WLG-070"

Jan-Eike Michels reported that Chris Farrar had seen the paper and agreed with the changes.

WLG-098r1 was accepted without objection as partial resolution of catch-all comment Seq#423.

WLG-070 and WLG-093 are discussion papers that identified and commented on issues addressed by WLG-098r1.

9.37 Seq#156, Cursor cleanup: names (WLG-033r1) (WLG-037)

*2 See 8.19.

9.38 Seq#156, Cursor cleanup: close cursor (WLG-033R1), (WLG-038)

*2 See 8.19.

9.39 Seq#156, Cursor cleanup: dynamic properties (WLG-041)

*2 See 8.19

9.40 CLI and new binary data types (WLG-075)

9.41 OLB and new binary data types (WLG-076)

9.42 Seq#156, CASE expressions and statements for SQL/XML (WLG-059)

*3 Fred Zemke introduced WLG-059, "CASE expressions and statements for SQL/XML".

The changes proposed in WLG-059 were accepted without objection for application to the current Working Drafts. One change was identified as applicable the current Foundation CD. WLG-059 was accepted without objection as partial resolution of catch-all comment Seq#156.

10 National Body Closing Comments

10.1 Australia

*7 Useful progress was made against resolving the ballot comments for the CDs for most parts of SQL and that the editing meetings may continue at the 2006 meeting in March.

Australia hopes that WG3 has had a productive meeting in Wellington NZ.

10.2 Belgium

10.3 Brazil

10.4 Canada

Canada thanks Don Bartley, Mark Carroll and the Software Quality New Zealand for hosting the meeting in the fine city of Wellington, New Zealand.

10.5 China

10.6 Czech Republic

10.7 Denmark

10.8 Egypt

10.9 Finland

10.10 Germany

Germany thanks Mark Carroll and Don Bartley for hosting the meeting in New Zealand.

10.11 Italy

10.12 Japan

Japan would like to thank Don Bartley, Mark Carroll, and Software Quality New Zealand for organizing the meeting arrangements.

10.13 Netherlands

10.14 Portugal

10.15 Republic of Korea

10.16 Sweden

10.17 United Kingdom

UK is pleased with the progress made over the past two weeks.

We offer our thanks to Don Bartley, Mark Carroll and Software Quality New Zealand for their excellent local arrangements.

We and look forward to another productive meeting in Kobe.

10.18 United States

USA is pleased with the progress made by the CD Editing meetings for the 8 parts of SQL and looks forward to the next CD ballot on all 9 parts early next year. USA congratulates the Convenor, Keith Hare, for his first successful running of the meetings. USA thanks Don Bartley and Mark Carroll for hosting the meetings.

10.19 Austria

10.20 France

10.21 Norway

10.22 Russian Federation

10.23 Switzerland

11 Recommendations

11.1 Preparation of Revised Texts (SD-005)

WLG-110r1 lays out planned schedule. SD-005 will be updated soon.

11.2 Disposition of Comments Report

*10 The Disposition of Comments Report will consist of the TXL minutes, the WLG minutes and WLG-014R4.

The remaining open comments will be recorded in UKB-016.

11.3 Recommendation Regarding Progression (WLG-113)

*10 The meeting determined that it had not been able to resolve all the CD ballot comments, and so returned the balloted documents to WG3 for disposal.

The ballot resolution meeting recorded its thanks to Software Quality New Zealand, Mark Carroll and Don Bartley for organising the meeting arrangements in Wellington New Zealand.

US proposed and UK seconded adoption of WLG-113 as resolutions of the Ballot Resolution Meeting.

12 Action Items

*2 Keith Hare to consider mechanisms, such as a Technical Report, for publication the material from the introduction of WLG-027

*3 Jörn Bartels to ensure that the necessary items for the Incompatibilities Annex resulting from acceptance of WLG-063r1 are defined.

*4 Jörn Bartels to submit the Possible Problems identified during processing of WLG-077.

*4 Phil Brown to review the extent of Conformance Rule incompatibilities such as that identified during processing of WLG-070.

Phil Brown to develop a proposal on alignment of Annexes in the Parts of ISO/IEC 9075

Jim Melton to update standing document WG3 SD-004, “Guidelines for submission of proposals”, to include a check for interaction of a proposal with other proposals being submitted to the same meeting.

*10 Phil Brown to publish a revision of WLG-073 for information.

13 Adjourn

Meeting closed at 11.30 on December 8th.

ISO/IEC JTC1/SC32/WG3

DOCUMENT REGISTER

28th November – 9th December 2005

Wellington, New Zealand

Prefix: WG3 WLG

No.	Source	Title	Agenda
000	Hare	Agenda for WLG Meetings	WG 4 CD 4
001	Brown	Minutes from WG Meeting, Berlin, Germany	WG 5.1
002p	Melton	ISO 9075-1 SQL/Framework CD	WG 6.14
003p	Melton	ISO 9075-2 SQL/Foundation CD	WG 6.15
004p	Melton	ISO 9075-3 SQL/CLI CD	WG 6.16
005p	Melton	ISO 9075-4 SQL/PSM CD	WG 6.17
006p	Melton	ISO 9075-9 SQL/MED CD	WG 6.18
007p	Melton	ISO 9075-10 SQL/OLB CD	WG 6.19
008p	Melton	ISO 9075-11 SQL/Schemata CD	WG 6.20
009p	Melton	ISO 9075-13 SQL/JRT CD	WG 6.21
010p	Melton	ISO 9075-14 SQL/XML WD	WG 6.22
011p	Cannan	ISO-9075:2003 Technical Corrigendum WDCOR	WG 6.23
012	Brown	Action Items arising from the minutes	WG 5.2
013	Brown	Minutes from CD Editing Meeting, Berlin, Germany	WG 5.3
014	Melton	Consolidated CD (other parts) Ballot Comments	CD 6.3
015	Brown	Minutes from FCD Editing Meeting, Berlin, Germany	WG 5.4
016		Minutes from E3D Electronic SQL/XML FCD Continuation Editing Meeting	WG 5.5
017	Hare	Notice of Working Group Meeting for ISO/IEC JTC1/SC32/WG3 – 28th November – 9th December 2005 – Wellington, New Zealand	WG 5.1
018	Hare	Notice of Ballot Resolution Meeting for ISO/IEC CD 9075 (parts 1, 2, 3, 4, 9, 10, 11, and 13) – 28th November – 9th December 2005 – Wellington, New Zealand	Withdrawn
019	Hare	Notice of Ballot Resolution Meeting for ISO/IEC FCD 9075-11 SQL/XML – 28th November – 9th December 2005 – Wellington, New Zealand	FCD 5.1
020	Bartley	WLG Meeting Arrangements	WG 6.24
021	Melton	ISO 9075-14 SQL/XML FDIS	WG 6.25
022	Darwen	"Allowing Asterisk Accompaniment", addressing comment #62 (GBR-P02-009)	CD 8.50
023	Melton	SQL/XML FCD Consolidated Ballot Comments	WG 6.26
024	Bartels	Addressing a couple of simple problems in SCHEMATA	CD 8.316 CD 8.321 CD 8.331 CD 8.332 CD 8.336 CD 8.338 CD 8.339 CD 8.340 CD 8.341
025	Zemke	Addressing GBR-P01-008	CD 8.8
026	Inkster	Extend Unicode Normalization Options	CD 9.25
027	Zemke	XQuery regular expression support	CD 8.57
028	Zemke	Addressing NLD-P02-023	CD 8.38
029	Zemke	Addressing NLD-P02-025	CD 8.40
030	Zemke	NLD-P02-026: already solved	CD 8.41
031	Zemke	NLD-P02-034: no action required	CD 8.52
032	Michels	BINARY/VARBINARY data types	CD 8.135
033	Zemke	Cursor cleanup: Foundation	CD 8.19 CD 8.20 CD 8.88 CD 8.89 CD 8.97 CD 8.104 CD 8.108 CD 8.114 CD 8.130 CD 9.26

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			CD 9.37 CD 9.38 CD 9.39
034	Zemke	Cursor cleanup: descriptors	CD 8.89 CD 8.97
035	Zemke	Cursor cleanup: life cycle	CD 8.19 CD 8.88 CD 8.104
036	Zemke	Cursor cleanup: modularization	CD 8.88
037	Zemke	Cursor cleanup: names	CD 9.37
038	Zemke	Cursor cleanup: close cursor	CD 9.38
039	Zemke	Cursor cleanup: received cursors	CD 8.130
040	Zemke	Cursor cleanup: positioned statements	CD 8.130
041	Zemke	Cursor cleanup: dynamic properties	CD 9.39
042	Zemke	Cursor cleanup: <prepare statement> LO	CD 8.108
043	Zemke	Cursor cleanup: Cursor cleanup: PSM	CD 9.26
044	Kulkarni	A possible problem with the naming of result set cursors	CD 9.27
045	Farrar	Minor Technical Issue 328 (GBG-P10-005)	CD 8.277
046	Farrar	Major Editorial Issue 330 (GBG-P10-022)	CD 8.278
047	Farrar	Minor Technical Issue 331 (GBR-P10-009) and Minor Editorial Issue 333 (GBR-P10-008)	CD 8.279 CD 8.280
048	Farrar	Major Editorial Issue 335 (GBR-P10-010)	CD 8.282
049	Farrar	Finish Minor Technical Issue 348 (GBR-P10-017)	CD 9.28
050	Farrar	Major Technical Issue 352 (USA-P10-999)	CD 9.29
051	Farrar	Minor Technical Issue 359 (NLD-P10-011)	CD 8.301
052	Farrar	Major Editorial Issue 362 (GBR-P10-018)	CD 8.304
053	Farrar	Minor Technical Issue 338 (GBR-P10-012) P10-4.17.1	CD 8.284
054	Farrar	Minor Technical Issue 339 (GBR-P10-013) getResultSet()	CD 8.285
055	Farrar	Minor Technical Issue 355 (NLD-P10-007) LO OLB-014	CD 8.297
056	Farrar	Minor Technical Issue 345 (NLD-P10-005) LO OLB-010 and Minor Technical Issue 346 (NLD-P10-006) LO OLB-011	CD 9.30
057	Farrar	Minor Technical Issue 345 (NLD-P10-005) LO OLB-010 and Minor Technical Issue 346 (NLD-P10-006) LO OLB-011	CD 8.291 CD 8.292
058	Zemke	Dynamic SQL/XML	WG 19.1 CD 9.31
059	Zemke	CASE expressions and statements for SQL/XML	WG 19.2
060	Cannan	Unconforming the General Rules" – a reissue of TXL-085	CD 8.213
061	Cannan	Completing the work that DRS-136 claimed to do	CD 9.32
062	Cannan	Deleting deprecated features in Foundation	CD 9.33
063	Cannan	Deleting deprecated features in Schemata	CD 8.314 CD 8.318 CD 8.320 CD 8.342
064	Darwen	Column Selection by Exclusion	CD 8.51
065	Bartels	Parenthesizing <joined table>s	CD 9.34
066	Michels	Cleanup of <query expression>	CD 9.35
067	Michels	XMLTable and user-supplied column names	WG 19.3
068	Melton	SQL/XML FCD Resolution of Comments	WG 19.4
069	Melton	SQL, Xquery and SPARQL	WG 19.5
070	Japan	Report of several issues in SQL/JRT	CD 9.36
071	Brown	Alternatives to WLG-052	CD 8.304
072	Hare	Native COBOL syntax for XML support	WG 11.1 CD 8.118
073	Brown	Declared and implemented numeric precision	CD 8.30
074	Persson	Comment on WLG-027	CD 8.57
075	Michels	CLI and the new BINARY/VARBINARY data types	CD 8.135
076	Michels	OLB and the new BINARY/VARBINARY data types	CD 8.135
077	Bartels	Adding a foreign key to COLLATIONS base table	CD 8.319
078	Bartels	Improval of the integration of MED into SCHEMATA	CD 8.248 CD 8.249 CD 8.250 CD 8.251 CD 8.254 CD 8.255 CD 8.257

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			CD 8.258 CD 8.259 CD 8.276
079	Michels	MED – Binary types	CD 8.135
080	Zemke	NLD-P02-003 – close with no action	CD 8.12
081	Zemke	Defining character string operands	CD 8.44
082	Kulkarni	Closing LOs related to row type	CD 8.59 CD 8.67 CD 8.159 CD 8.160 CD 8.161 CD 8.162 CD 8.163 CD 8.164 CD 8.165
083	Bartels	Improving Parameters table	CD 8.328 CD 8.329
084	Hare	Resolve NLD-P02-147, Seq#214	CD 8.190
085	Michels	Fixing DATA_TYPE_DESCRIPTOR base table	CD 8.252 CD 8.253 CD 9.21
086	Michels	Fixing XMLPI	WG 19.6
087	Zemke	PP corrections to HBA-041	WG 12.2
088	Zemke	Addressing Seq#070, NLD-P02-038	CD 8.58
089	Michels	Addressing Seq#129 & Seq#270	CD 8.112 CD 8.235
090	Hare	Addressing Seq#287, GBR-P09-004	CD 8.246
091	Kulkarni	Closing old LO's	CD CD 8.1 CD 8.17 CD 8.18 CD 8.31 CD 8.32 CD 8.33 CD 8.36 CD 8.37 CD 8.39 CD 8.46 CD 8.47 CD 8.49 CD 8.62 CD 8.63 CD 8.69 CD 8.70 CD 8.76 CD 8.77 CD 8.81 CD 8.94 CD 8.95 CD 8.117 CD 8.142 CD 8.143 CD 8.144 CD 8.145 CD 8.146 CD 8.147 CD 8.148 CD 8.149 CD 8.150 CD 8.151 CD 8.152 CD 8.153 CD 8.154 CD 8.155 CD 8.156 CD 8.157 CD 8.158 CD 8.166 CD 8.167 CD 8.168 CD 8.169 CD 8.170 CD 8.171

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092	Farrar	Response to Phil	CD 8.304
093	Farrar	Response to WLG-070	CD 9.36
094	Zemke	Scope of a <correlation name>	CD 8.26
095	Melton	Resolving some administrative comments	CD 8.2 CD 8.3 CD 8.4 CD 8.5 CD 8.7 CD 8.9 CD 8.10 CD 8.34 CD 8.115 CD 8.203 CD 8.206 CD 8.265
096	Zemke	Evaluating <search conditions>	CD 8.90
097	Bartels	Consolidation of privilege tables	CD 8.236 CD 8.237 CD 8.330
098	Kotera	Resolutions of issues reported by WLG-070	CD 9.36
099	Michels	Addressing Seq#086	CD 8.74
100	Kulkarni	Addressing Seq#052, Seq#095, Seq#217, Seq#221 and Seq#229	CD 8.42 CD 8.83 CD 8.193 CD 8.197 CD 8.205
101	Brown	Merge of WLG-052 and WLG-071 for #362	CD 8.304
102	Hare	TR Ballot Results	WG 20.1
103	Melton	Subclause Invocation	CD 8.113 CD 8.132
104	Michels	Addressing Seq#136	CD 8.119
105	Zemke	<subquery> cleanup	CD 8.73
106	Hare	Addressing Seq#032	CD 8.21
107	Bartels	Introducing privilege-privilege dependencies	CD 8.315
108	Bartels	Another cleanup of DTD table	CD 8.326 CD 8.327

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109	Tsuchida	Resolving Seq#234 and Seq#236	CD 8.207 CD 8.209
110	Convenor/Editor	Schedule spreadsheet	WG 23.1
111	Piprani	WLG-095 change to CLI is incomplete	CD 8.2
112	WG3	WLG Draft Resolutions	WG 23.1
113	CD BR meeting	CD Ballot Resolution Meeting Draft Resolutions	CD 11.3