

# ISO/IEC JTC 1/SC 32 N 1302

Date: 2005-05-11

REPLACES: --

## ISO/IEC JTC 1/SC 32

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

Farance Inc \*, 360 Pelissier Lake Road, Marquette, MI 49855-9678, United States of America

Telephone: +1 906-249-9275; E-mail: [MannD@battelle.org](mailto:MannD@battelle.org)

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## BALLOT RESOLUTION MEETING MINUTES

### ISO/IEC FCD 9075-14

11<sup>th</sup> April – 22<sup>nd</sup> April 2005

Berlin, Germany

#### Legend:

Sections are keyed to the meeting agenda (WG 3: N0093).

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, Stephen Cannan, opened the meeting at 09:50am. The following delegates were present:

Australia	Don Bartley	
Austria	Wolfgang Panny (to 14 <sup>th</sup> April)	
Canada:	Baba Piprani	
China	Zhao Jinghua *5 Liu Ying (from 15th April)	
Germany:	Peter Pistor Jörn Bartels *6 Christoph Lingenfelder *7 Cornelia Haase *8 Gennadi Rabinovitch Cord Wischhoefer (DIN, Host)	
Japan:	Takashi Kotera Masashi Tsuchida *6 Takaaki Shiratori	小寺 孝 土田 正士
The Netherlands:	Stephen Cannan (Convenor)	
United Kingdom:	Phil Brown	
United States:	Krishna Kulkarni Jan-Eike Michel Keith Hare Michael Rys Jim Melton (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.

## **3 Selection of Secretary and Resolution Recorder**

- \*1 Phil Brown accepted nomination as Secretary for the meeting. Krishna Kulkarni accepted nomination as Resolution Recorder.

## **4 Approval of Agenda**

- \*1 The Agenda was approved as presented. Further items and references were added during the course of the meeting.

## **5 Administrative Matters**

### **5.1 Calling notice for FCD Editing Meeting (SC32 N01227)**

- \*1 SC32 N1227 was noted.

### **5.2 Results of SC32 Ballot on FCD 9075 (SC32 N01191)**

- \*1 SC32 N1191 was noted.

### **5.3 FCD 9075 Consolidated Ballot Comments (TXL-014R2)**

- \*1 TXL-014R2 was noted. Comment references and sequence numbers used in the Agenda and in these minutes are taken from that document.

## **6 National Body Opening Comments**

### **6.1 Australia**

- \*1 There were no Australian additions to their opening comments.

### **6.2 Belgium**

Not present

### **6.3 Brazil**

Not present

### **6.4 Canada**

- \*1 There were no Canadian additions to their WG3 opening comments.

### **6.5 China**

- \*1 There were no Chinese additions to their WG3 opening comments.

### **6.6 Czech Republic**

Not present

### **6.7 Denmark**

Not present

### **6.8 Egypt**

Not present

### **6.9 Finland**

Not present

**6.10 Germany (TXL-018)**

\*1 TXL-018, containing the German FCD ballot comments, was noted. There were no other German additions to their WG3 opening comments.

**6.11 Italy**

Not present

**6.12 Japan**

\*1 There were no Japanese additions to their WG3 opening comments.

**6.13 Netherlands (TXL-017)**

\*1 There were no Netherlands additions to their WG3 opening comments.

**6.14 Norway**

Not present

**6.15 Portugal**

Not present

**6.16 Republic of Korea**

Not present

**6.17 Sweden**

Not present

**6.18 United Kingdom (TXL-029)**

\*1 TXL-029, containing the United Kingdom FCD ballot comments, was noted. The UK notes the disparity between the number of comments submitted and the number of papers before us that address those comments. Ideally we would look for progression to FDIS from this fortnight, but believe that it will be almost impossible to address all the significant comments adequately in the time available. Further, some elements of the current document depend on external specifications that are themselves in a state of flux, and have not yet reached the level of stability needed for us to be able to reference them. The UK will work to resolve as many comments as possible, but will oppose progression of the draft until all referenced specifications have achieved a level of stability equivalent to a DIS.

**6.19 United States (TXL-030)**

\*1 TXL-030, containing the USA FCD comments, was noted. There were no other USA additions to their WG3 opening comments.

**6.20 Austria**

\*1 There were no Austrian additions to their WG3 opening comments.

**6.21 France**

Not present

**6.22 Russian Federation**

Not present

**6.23 Switzerland**

Not present

## **7 Ballot Comments Resolved by the Editor**

\*1 Except in those cases where there is an explicit statement to the contrary, all comments identified under the subordinate items of this Agenda item were accepted without objection as being resolved by editorial action.

**7.1 Seq#000 (ISO-P14-003) (See Comment)**

\*1 Rejected without objection. Resolved with no action.

**7.2 Seq#000a (ISO-P14-004) (See Comment)**

**7.3 Seq#001 (USA-P14-001) (See Comment)**

**7.4 Seq#002 (GBR-P14-020) (Editorial)**

**7.5 Seq#003 (GBR-P14-030) (Editorial)**

**7.6 Seq#003a (ISO-P14-005) (See Comment)**

**7.7 Seq#004 (GBR-P14-070) (Editorial)**

**7.8 Seq#004a (WG3-P14-300) (Editorial)**

**7.9 Seq#007 (GBR-P14-040) (Editorial)**

**7.10 Seq#008 (GBR-P14-050) (Editorial)**

**7.11 Seq#009 (USA-P14-004) (See Comment)**

**7.12 Seq#010 (GBR-P14-060) (Editorial)**

**7.13 Seq#013 (USA-P14-007) (See Comment)**

**7.14 Seq#021 (NLD-P14-001) (Editorial)**

**7.15 Seq#022 (USA-P14-014) (See Comment)**

**7.16 Seq#026 (USA-P14-015) (Editorial)**

**7.17 Seq#027 (JPN-P14-001) (See Comment)**

**7.18 Seq#029 (USA-P14-017) (See Comment)**

**7.19 Seq#041 (GBR-P14-180) (See Comment)**

**7.20 Seq#049 (USA-P14-021) (See Comment)**

**7.21 Seq#050 (GBR-P14-210) (See Comment)**

**7.22 Seq#054 (USA-P14-024) (See Comment)**

**7.23 Seq#065 (USA-P14-034) (See Comment)**

**7.24 Seq#067 (USA-P14-036) (See Comment)**

**7.25 Seq#072 (USA-P14-041) (See Comment)**

**7.26 Seq#074 (USA-P14-043) (See Comment)**

**7.27 Seq#075 (USA-P14-044) (See Comment)**

**7.28 Seq#081 (USA-P14-050) (See Comment)**

**7.29 Seq#083 (USA-P14-052) (See Comment)**

- 7.30 Seq#084 (USA-P14-053) (See Comment)
- 7.31 Seq#097 (USA-P14-066) (See Comment)
- 7.32 Seq#098 (USA-P14-067) (See Comment)
- 7.33 Seq#100 (USA-P14-069) (See Comment)
- 7.34 Seq#101 (USA-P14-070) (See Comment)
- 7.35 Seq#102 (USA-P14-071) (See Comment)
- 7.36 Seq#104 (USA-P14-073) (See Comment)
- 7.37 Seq#105 (USA-P14-074) (See Comment)
- 7.38 Seq#108 (USA-P14-077) (See Comment)
- 7.39 Seq#109 (USA-P14-078) (See Comment)
- 7.40 Seq#118 (USA-P14-087) (See Comment)
- 7.41 Seq#120 (USA-P14-089) (See Comment)
- 7.42 Seq#122 (JPN-P14-006) (See Comment)
- 7.43 Seq#123 (JPN-P14-007) (Editorial)
- 7.44 Seq#124 (NLD-P14-005) (Editorial)
- 7.45 Seq#125 (JPN-P14-008) (See Comment)
- 7.46 Seq#133 (JPN-P14-009) (See Comment)
- 7.47 Seq#133a (NLD-P14-006) (See Comment)
- 7.48 Seq#134 (USA-P14-094) (See Comment)
- 7.49 Seq#141 (USA-P14-100) (See Comment)
- 7.50 Seq#150 (USA-P14-107) (See Comment)
- 7.51 Seq#151 (USA-P14-108) (See Comment)
- 7.52 Seq#152 (USA-P14-109) (See Comment)
- 7.53 Seq#153 (USA-P14-110) (See Comment)
- 7.54 Seq#155 (USA-P14-112) (See Comment)
- 7.55 Seq#156 (USA-P14-113) (See Comment)
- 7.56 Seq#165 (USA-P14-122) (See Comment)
- 7.57 Seq#166 (USA-P14-123) (See Comment)
- 7.58 Seq#169 (DEU-P14-002) (See Comment)
- 7.59 Seq#170 (DEU-P14-003) (See Comment)
- 7.60 Seq#171 (USA-P14-126) (See Comment)
- 7.61 Seq#172 (JPN-P14-010) (See Comment)
- 7.62 Seq#179 (USA-P14-128) (See Comment)
- 7.63 Seq#185 (USA-P14-132) (See Comment)

**7.64 Seq#193 (USA-P14-138) (See Comment)**

**7.65 Seq#195 (USA-P14-140) (See Comment)**

**7.66 Seq#211a (ISO-P14-001) (See Comment)**

\*1 Rejected without objection. Resolved with no action.

**7.67 Seq#211b (ISO-P14-002) (See Comment)**

## **8 Resolution of Ballot Comments**

**8.1 Seq#005 (USA-P14-002) (TXL-064)**

\*4 Jim Melton introduced TXL-064.

TXL-064 was accepted without objection as resolution of Seq#005, Seq#034f, Seq#051, Seq#071, Seq#136, Seq#158, and Seq#212.

**8.2 Seq#006 (USA-P14-003)**

\*2 Jim Melton observed that the latest version of the Unicode standard, version 4.1, changed the white space characteristics of one character. However, the change had no effect on the SQL treatment of the character in question.

It was agreed without objection that Seq#006 should be resolved by editorial action.

**8.3 Seq#011 (USA-P14-005) (See Comment)**

\*1 The proposal in the comment was accepted without objection. Resolved

**8.4 Seq#012 (USA-P14-006) (See Comment) (\*2 TXL-053)**

\*1 US requested deferral pending offering an alternate solution

\*3 The US delegation announced that the paper for which reference TXL-053 had been assigned would not now be submitted to the meeting.

After a general discussion of the issue, the US withdrew the proposed solution submitted with comment Seq#012 (USA-P14-006).

It was agreed without objection that comment Seq#012 (USA-P14-006) should be closed with no action.

**8.5 Seq#014 (USA-P14-008) (TXL-039) (TXL-039R1, TXL-039R2)**

\*3 Krishna Kulkarni introduced TXL-039R2.

Michael Rys and Phil Brown raised a number of queries about minor technical and stylistic points. Changes that would satisfy these concerns were agreed in outline. The author said that he would produce a further revision of the paper.

TXL-039R2, subject to the changes agreed for inclusion in TXL-039R3, was accepted as resolution of Seq#014, Seq#015, Seq#017, Seq#019, Seq#052, Seq#053, Seq#056, Seq#057, Seq#060, Seq#089, Seq#103, Seq#103a, Seq#107, Seq#110, Seq#113, Seq#114, Seq#116, Seq#117, Seq#127, Seq#129, Seq#159, Seq#160, Seq#161, Seq#162, Seq#163, Seq#164, Seq#167, Seq#168, Seq#181, Seq#182, Seq#183, Seq#184, Seq#190, Seq#202, Seq#205 and Seq#210.

TXL-039-R2 also subsumes the solutions for Seq#094 and Seq#163.

\*4 TXL-039R3, incorporating the changes agreed in outline when TXL-039R2 was approved, was produced for review.

**8.6 Seq#015 (USA-P14-009) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#015. See 8.5.

**8.7 Seq#016 (USA-P14-010) (\*7 TXL-078)**

\*7 Krishna Kulkarni introduced TXL-078.

Krishna stated that the USA was withdrawing comment Seq#016, and TXL-068 proposed that it should be resolved with no action. It also proposed that Seq#073 should be resolved with no action.

TXL-068 was accepted without objection as resolution of Seq#016 (with no action), Seq#73 (with no action) and Seq#99

**8.8 Seq#016a (GBR-P14-100)**

\*2 There was no objection to closing this comment with no action, following the precedent established with Seq#30. (See 8.16)

**8.9 Seq#017 (GBR-P14-110) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#017. See 8.5.

**8.10 Seq#018 (USA-P14-011) (See Comment)**

\*1 The solution included with the comment accepted without objection. Resolved

**8.11 Seq#019 (USA-P14-012) (TXL-039)**

\*3 TXL-039R2 was accepted without objection as resolution of Seq#019. See 8.5.

**8.12 Seq#020 (USA-P14-013) (TXL-042)**

\*2 Jan-Eike Michels introduced TXL-042.

In proposal section 3.2, item 1, change to SR 4)b)ii)1)A)I),(at the top of page 6 of the document) “let XSDN a” was changed to “let XSDN be a”.

TXL-042, as amended, was accepted without objection as resolution of Seq#020, Seq#115, Seq#178, Seq#180, Seq#206.

**8.13 Seq#026a (WG3-P14-310) (TXL-051)**

\*5 It was agreed without objection that Seq#026a should be resolved as Editorial. See 11.3.

**8.14 Seq#028 (USA-P14-016) (TXL-041)**

\*2 Jan-Eike Michels introduced TXL-041.

TXL-041 was accepted without objection as resolution of Seq#028 and Seq#201.

**8.15 Seq#029a (WG3-P14-430) (\*4 TXL-067) (TXL-094)**

\*4 Jim Melton introduced TXL-067.

TXL-067 was accepted without objection as resolution of Seq#029a, Seq#032, Seq#039h, Seq#039i, Seq##040, Seq#042, Seq#043, Seq#043a, Seq#043b and Seq#135.

The editor undertook to make any changes to the “Implementation-defined” and “Implementation-dependent” Annexes needed as a result of acceptance of this proposal.

\*9 Jim Melton introduced TXL-094.

TXL-094 was accepted without objection as further resolution of Seq#29a.

**8.16 Seq#030 (GBR-P14-120) (See Comment)**

\*1 The Editor requested that this comment should be rejected. The resolution was put to a vote, with result:

In favour of the solution proposed in the comment: GBR, Australia

Against: USA, Canada

Abstained: China, Germany, Japan, Austria

The comment was resolved with no action

**8.17 Seq#031 (USA-P14-018) (See Comment)**

\*1 The solution from the comment accepted without objection. Resolved



**8.18 Seq#032 (GBR-P14-130) (\*4 TXL-067)**

\*4 TXL-067 was accepted without objection as resolution of Seq#032. See 8.15.

**8.19 Seq#033 (GBR-P14-140)**

\*9 Phil Brown agreed that this UK comment should be resolved by conversion to a Language Opportunity. He said that if the meeting were to be continued, then the UK might produce a proposal to address the issues identified in the comment.

**8.20 Seq#034 (JPN-P14-002) (STX-039)**

\*1 STX-039 was accepted without objection as resolving Seq#034, accepting a change to the Working Draft into the FCD.

**8.21 Seq#034a (JPN-P14-003) (\*2 TXL-054)**

\*4 Jan-Eike Michels presented TXL-054.

There was a discussion of the relative merits of “list” and “sequence”. Jim Melton remarked that both had implications of order. The response from those with the appropriate background was that order was appropriate.

There was consensus that “sequence” should be used rather than list.

The proposal was amended to:

- change “list” to “sequence” in the changes section of the proposal.
- modify the Function of 6.13 by changing “list” to “sequence”
- modify the title of subclause 9.12, changing “XML Forest” to “sequence of XML elements”

TXL-054, as amended, was accepted without objection as resolution of Seq#034a and Seq#034d.

**8.22 Seq#034b (JPN-P14-004) (\*2 STX-039)**

\*2 This comment relates to an issue resolved during the SQL2003 DOCR ballot.

There was no objection to marking Seq#034b as closed by STX-039.

**8.23 Seq#034c (NLD-P14-002) (STX-039)**

\*1 STX-029 was accepted without objection as resolving Seq#034c, accepting a change to the Working Draft into the FCD.

**8.24 Seq#034d (NLD-P14-003) (\*2 TXL-054)**

\*4 TXL-054, as amended, was accepted without objection as resolution of Seq#034d. See 8.21.

**8.25 Seq#034e (NLD-P14-004) (\*2 STX-039)**

\*2 This comment relates to an issue resolved during the SQL2003 DOCR ballot.

There was no objection to marking Seq#034e as closed by STX-039.

**8.26 Seq#034f (WG3-P14-320) (\*2 TXL-064)**

\*4 TXL-064 was accepted without objection as resolving Seq034f. See 8.1.

**8.27 Seq#039g (JPN-P14-005) (See Comment)**

\*1 Resolved editorially

**8.28 Seq#039h (GBR-P14-150) (\*4 TXL-067)**

\*4 TXL-067 was accepted without objection as resolution of Seq#039h. See 8.15.

**8.29 Seq#039i (GBR-P14-160) (\*4 TXL-067)**

\*4 TXL-067 was accepted without objection as resolution of Seq#039i. See 8.15.

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- 8.30 Seq#040 (GBR-P14-170) (\*4 TXL067)**  
\*4 TXL-067 was accepted without objection as resolution of Seq#040. See 8.15.
- 8.31 Seq#042 (GBR-P14-190) (\*4 TXL-067)**  
\*4 TXL-067 was accepted without objection as resolution of Seq#042. See 8.15.
- 8.32 Seq#043 (GBR-P14-200) (\* TXL-067)**  
\*4 TXL-067 was accepted without objection as resolution of Seq#043. See 8.15.
- 8.33 Seq#043a (GBR-P14-230) (\*4 TXL-067)**  
\*4 TXL-067 was accepted without objection as resolution of Seq#043a. See 8.15.
- 8.34 Seq#043b (GBR-P14-240) (\*4 TXL-067)**  
\*4 TXL-067 was accepted without objection as resolution of Seq#043b. See 8.15.
- 8.35 Seq#044 (USA-P14-019) (\*2 TXL-052)**  
\*4 Jan-Eike Michels introduced TXL-052.  
The proposal was amended by inclusion of an item to change Note 11 by replacing “assume” with “are based on the fact”.  
TXL-052, as amended, was accepted without objection as resolution of Seq#044, Seq#044a, Seq#045, Seq#055, Seq#061, Seq#062 and Seq#064.
- 8.36 Seq#044a (WG3-P14-330) (\*2 TXL-052)**  
\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#044a. See 8.35.
- 8.37 Seq#045 (USA-P14-020) (\*2 TXL-052)**  
\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#045. See 8.35.
- 8.38 Seq#051 (GBR-P14-250) (\*2 TXL-064)**  
\*4 TXL-064 was accepted without objection as resolving Seq051. See 8.1.
- 8.39 Seq#052 (USA-P14-022) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#052. See 8.5.
- 8.40 Seq#053 (USA-P14-023) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#053. See 8.5.
- 8.41 Seq#055 (USA-P14-025) (\*2 TXL-052)**  
\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#055. See 8.35.
- 8.42 Seq#056 (USA-P14-026) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#056. See 8.5.
- 8.43 Seq#057 (USA-P14-027) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#057. See 8.5.
- 8.44 Seq#058 (USA-P14-028) (See Comment)**  
\*1 The change proposed in the comment was accepted without objection. Resolved
- 8.45 Seq#059 (USA-P14-029) (TXL-073)**  
\*5 Krishna Kulkarni introduced TXL-073.  
Sections 3.1, 3.3 and 4.2 of the proposal were withdrawn.

TXL-073 was accepted without objection as resolution of Seq#059, Seq#113, Seq#137 and Seq#140.

**8.46 Seq#060 (USA-P14-030) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#060. See 8.5.

**8.47 Seq#061 (USA-P14-031) (\*2 TXL-052)**

\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#061. See 8.35.

**8.48 Seq#062 (GBR-P14-260) (\*2 TXL-052)**

\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#062. See 8.35.

**8.49 Seq#063 (USA-P14-032) (See Comment) (\*3 TXL-071)**

\*1 Discussion deferred

\*4 Michael Rys introduced TXL-071.

During discussion, it was discovered that there were some presentation issues in text not modified by this proposal. The Editor undertook to make the appropriate changes.

TXL-071 was accepted without objection as resolving Seq#063, Seq#080 and Seq#082.

**8.50 Seq#064 (USA-P14-033) (\*2 TXL-052)**

\*4 TXL-052, as amended, was accepted without objection as resolution of Seq#064. See 8.35.

**8.51 Seq#066 (USA-P14-035) (See Comment)**

\*1 The change proposed in the comment was accepted without objection. Resolved

**8.52 Seq#068 (USA-P14-037) (TXL-047)**

\*2 Jan-Eike Michels introduced TXL-047.

TXL-047 was accepted without objection as resolution of Seq#068, Seq#070, Seq#144a, Seq#147 and Seq#148.

\*3 Jan-Eike Michels requested that the discussion of TXL-047 should be re-opened. He stated that the General Rule 2 introduced by edit instruction 2 in section 3.2 of the paper was no longer necessary. It was agreed without objection that this rule should be removed from the accepted proposal.

**8.53 Seq#069 (USA-P14-038) (TXL-035)**

\*2 Jan-Eike Michels presented TXL-035. Peter Pistor asked whether adding something to the Concepts section had been considered. Jan-Eike responded that no changes were considered necessary.

TXL-035 was accepted without objection as resolution of Seq#069.

**8.54 Seq#070 (USA-P14-039) (TXL-047)**

\*2 TXL-047 was accepted without objection as resolution of Seq#070. See 8.52.

**8.55 Seq#071 (USA-P14-040) (\*2 TXL-064)**

\*4 TXL-064 was accepted without objection as resolving Seq#071. See 8.1.

**8.56 Seq#073 (USA-P14-042) (\*7 TXL-078)**

\*7 TXL-078 was accepted without objection as resolving Seq#073 (with no action). See 8.7.

**8.57 Seq#074a (WG3-P14-340) (TXL-092R2)**

\*9 Jan Eike Michels introduced TXL-092R2.

Jan-Eike accepted an action to provide the missing text for section 3.2. He said that he intended to produce TXL-092R3 containing the text in question.

TXL-092R2 was accepted without objection as resolution of Seq#074a.

**8.58 Seq#076 (USA-P14-045) (\*7 TXL-087)**

\*7 Jan-Eike Michels introduced TXL-087.

In section 3.1, proposal item 1, in the changes to Syntax Rule 5, “static or type error” was changed to “static error, type error, or statically detected dynamic error”.

In section 3.1, proposal item 1, first proposed Note, in the last bullet, “[XQuery] and [XQuery FS] sections titled” was changed to “the [XQuery] section titled”.

TXL-087, as amended, was accepted without objection as resolution of Seq#076.

**8.59 Seq#077 (USA-P14-046) (TXL-048)**

\*2 Krishna Kulkarni presented TXL-048.

TXL-048 was accepted without objection as resolution of Seq#077 and Seq#078a.

**8.60 Seq#077a (USA-P14-054) (TXL-038)**

\*1 Jim Melton presented TXL-038.

TXL-038 was accepted without objection as resolution of Seq#077a.

**8.61 Seq#077b (WG3-P14-350) (TXL-036)**

\*2 TXL-036 was accepted without objection as resolution of Seq#077b. See 8.104.

**8.62 Seq#078 (USA-P14-047) (TXL-069)**

\*5 Jan-Eike Michels presented TXL-069. He said that there were two places where this paper has an overlap with TXL-039 and its revisions. These overlaps are identified in the body of TXL-069.

It was agreed that the Editor should include a Note to the effect that the subset of mandatory and optional features of XQuery supported by an implementation is implementation-defined, and this Note should be positioned immediately after the rule modified by proposal item 1 in section 3.1 of TXL-069.

TXL-069, as modified by inclusion of a Note, was accepted without objection as resolution of Seq#078.

**8.63 Seq#078a (USA-P14-055) (See Comment) (TXL-048)**

\*2 The change from TXL-048 was preferred to that included with the comment. TXL-048 was accepted without objection as resolution of Seq#078a. See 8.59.

**8.64 Seq#079 (USA-P14-048) (\*2 TXL-061)**

\*4 Jan-Eike Michels introduced TXL-061. He observed that proposal item 1 in section 3.2 modifies a paragraph that had already been modified by acceptance of TXL-039R3 earlier in the meeting. He suggested that the Editor should place the new text proposed by this item in a new paragraph following the text modified by TXL-039R3

In proposal section 3.6, item 2c, a Note was added:

Note xxx – This definition is equivalent to the XQuery expression  $XQM1 \text{ IS } XQM2$ .

In proposal section 3.9 change item 2 should be modified to place the second sub-entry 15.1), currently directed to subclause 8.4, <XML exists predicate>, under an entry for subclause 6.6, <value expression>.

TXL-061, as amended was accepted without objection as resolution of Seq#079, Seq#130, Seq#131, Seq#131a, Seq#132, Seq#197, Seq#200 and Seq#211c.

Phil Brown suggested that the presentation of the material introduced as new sub-clause 10.x, “Determination of equivalent XML values”, could be improved. It was accepted that any improvement could also be applicable to the sub-clause from which the new clause was cloned. No action was taken on this issue at this point in the meeting.

**8.65 Seq#080 (USA-P14-049) (See Comment) (TXL-071)**

\*1 Discussion deferred

- \*4 TXL-071 was accepted without objection as resolving Seq#080. See 8.49.
- 8.66 Seq#082 (USA-P14-051) (See Comment) (TXL-071)**
- \*1 Discussion deferred
- \*4 TXL-071 was accepted without objection as resolving Seq#082. See 8.49.
- 8.67 Seq#087 (USA-P14-056) (TXL-060)**
- \*2 Stephen Cannan introduced a discussion on the comment and TXL-060.
- In proposal item 2.1, in the first sentence of Note xxx, “this standard” was changed to “this Part of this International Standard”. The final words of the Note were changed from “should use <XML table> instead” to “may achieve the same effect by use of <XML table>.”
- TXL-060, as amended, was accepted without objection as resolution of Seq#087, Seq#088, Seq#096 and Seq#194.
- 8.68 Seq#088 (USA-P14-057) (TXL-060)**
- \*2 TXL-060, as amended, was accepted as resolution of Seq#088. See 8.67.
- 8.69 Seq#089 (USA-P14-058) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#089. See 8.5.
- 8.70 Seq#090 (USA-P14-059) (\*7 TXL-079R1)**
- \*7 Krishna Kulkarni introduced TXL-079R1.
- The paper recommends that Seq#090 be closed with no action.
- The difference in style of the references to the two parameters in the two Syntax Rules addressed in section 3.1 was discussed. The Editor said that the differences here and in similar references was likely to disappear as a result of planned new facilities in his document management tools.
- In section 3.2, proposal item 1 was changed to reference Syntax Rule 3)h).
- In section 3.3, proposal item 1, change to Syntax Rule 4)c), ‘i’**ocument**’ was changed to ‘**document**’.
- TXL-079R1, as amended, was accepted without objection as resolution of Seq#090, Seq#091 and Seq#095.
- It was noted that comment Seq#101, accepted as Editorial, addresses the same rule as proposal section 3.3 and that it also makes changes to this subclause.
- 8.71 Seq#091 (USA-P14-060) (TXL-079R1)**
- \*7 TXL-079R1 was accepted without objection as resolution of Seq#091. See 8.70.
- 8.72 Seq#092 (USA-P14-061) (TXL-049)**
- \*2 Krishna Kulkarni presented TXL-049.
- TXL-049 was accepted without objection as resolution of Seq#092 and Seq#094.
- 8.73 Seq#093 (USA-P14-062) (See Comment)**
- \*1 The solution contained in the comment was accepted without objection. Resolved
- 8.74 Seq#094 (USA-P14-063) (See Comment) (TXL-049)**
- \*2 TXL-049 was accepted without objection as resolution of Seq#094. See 8.72.
- \*3 TXL-039R3 was noted as subsuming the resolution of Seq#094. See 8.5.
- 8.75 Seq#095 (USA-P14-064) (TXL-079R1)**
- \*7 TXL-079R1 was accepted without objection as resolution of Seq#095. See 8.70.

- 8.76 Seq#096 (USA-P14-065) (\*2 TXL-060)**  
\*2 TXL-060, as amended, was accepted as resolution of Seq#096. See 8.67.
- 8.77 Seq#099 (USA-P14-068) (\*7 TXL-078)**  
\*7 TXL-078 was accepted without objection as resolving Seq#099. See 8.7.
- 8.78 Seq#103 (USA-P14-072) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#103. See 8.5.
- 8.79 Seq#103a (USA-P14-075) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#103a. See 8.5.
- 8.80 Seq#107 (USA-P14-076) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#107. See 8.5.
- 8.81 Seq#110 (USA-P14-079) (\*3 TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#110. See 8.5.
- 8.82 Seq#111 (USA-P14-080) (TXL-055, TXL-055R1)**  
\*4 Michael Rys introduced TXL-055R1  
Jan-Eike Michaels argued that the proposal was doing more than necessary and was introducing an inconsistency. This was point strongly contested and during the subsequent discussion two apparently strongly entrenched positions were aired.  
The authors of the proposal recognised that it was proposing syntax that is incompatible with the intent of the original proposal that introduce the feature. The US delegation reported that they had reached a compromise position and would produce a revised proposal. They presented an outline of their proposed changes, and said that they would be included in a second revision of TXL-055.  
TXL-055R2 was accepted without objection as resolving Seq#111 and Seq#112
- 8.83 Seq#112 (USA-P14-081) (TXL-055, TXL-055R1)**  
\*4 TXL-055R1 was accepted without objection as resolution of Seq#112. See 8.82.
- 8.84 Seq#113 (USA-P14-082) (\*3 TXL-039) (TXL-073)**  
\*3 TXL-039R3 was accepted as resolution of Seq#113. See 8.5.
- 8.85 Seq#114 (USA-P14-083) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#114. See 8.5.
- 8.86 Seq#115 (USA-P14-084) (TXL-042)**  
\*2 Resolved by TXL-042. See 8.12.
- 8.87 Seq#116 (USA-P14-085) (See Comment) (\*2 TXL-039R2)**  
\*1 Deferred. Will be addressed by TXL-039R1  
\*3 TXL-039R3 was accepted as resolution of Seq#116. See 8.5.
- 8.88 Seq#117 (USA-P14-086) (\*3 TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#117. See 8.5.
- 8.89 Seq#119 (USA-P14-088) (See Comment)**  
\*1 The solution contained in the comment was accepted without objection. Resolved
- 8.90 Seq#121 (GBR-P14-270)**

- \*9 It was agreed without objection that Seq#121 should be resolved by conversion to a Language Opportunity.
- It was agreed that the text of the comment includes a claim that is incorrect. The UK took an action to supply appropriate text for the Language opportunity.
- 8.91 Seq#127 (USA-P14-090) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#127. See 8.5.
- 8.92 Seq#129 (USA-P14-091) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#129. See 8.5.
- 8.93 Seq#130 (NLD-P14-007) (\*2 TXL-061)**
- \*4 TXL-061, as modified, was accepted without objection, as resolving Seq#130. See 8.64.
- 8.94 Seq#131 (USA-P14-092) (TXL-061)**
- \*4 TXL-061, as modified, was accepted without objection, as resolving Seq#131. See 8.64.
- 8.95 Seq#131a (WG3-P14-360) (\*2 TXL-061)**
- \*4 TXL-061, as modified, was accepted without objection, as resolving Seq#131a. See 8.64.
- 8.96 Seq#132 (USA-P14-093) (\*2 TXL-061)**
- \*4 TXL-061, as modified, was accepted without objection, as resolving Seq#131a. See 8.64.
- 8.97 Seq#135 (GBR-P14-220) (\*4 TXL-067)**
- \*4 TXL067 was accepted without objection as resolution of Seq#135. See 8.15.
- 8.98 Seq#136 (USA-P14-095) (\*2 TXL-064)**
- \*4 TXL-064 was accepted without objection as resolving Seq136. See 8.1.
- 8.99 Seq#137 (USA-P14-096) (\*4 TXL-073)**
- \*5 TXL-073, as amended, was accepted without objection as resolution of Seq#137. See 8.45.
- 8.100 Seq#138 (USA-P14-097) (TXL-086R1)**
- \*9 Jan-Eike Michels introduced TXL-086R1.
- It was observed that this proposal was written against the original FCD document, rather than the updated version, TXL-013R1, which incorporates the changes resulting from editorial resolution of some ballot comments. The subclause number reference in proposal section 3.1 was changed from 6.11 to 6.12 to match the subclause numbering in TXL-013R1.
- In proposal section 3.2, an item was added to delete the text “(an <XML content option>, possibly missing)” from General Rule 1 of subclause 10.11, “Construction of an XML element”.
- TXL-086R1, as amended, was accepted without objection as resolution of Seq#138 and Seq#139.
- 8.101 Seq#139 (USA-P14-098) (TXL-086R1)**
- \*9 TXL-086R1, as amended, was accepted without objection as resolution of Seq#139. See 8.100.
- 8.102 Seq#140 (USA-P14-099) (TXL-073)**
- \*5 TXL-073, as amended, was accepted without objection as resolution of Seq#137. See 8.45.
- 8.103 Seq#142 (USA-P14-101) (See Comment)**
- \*1 The solution contained in the comment was accepted without objection. Resolved
- 8.104 Seq#143 (USA-P14-102) (TXL-036)**

\*2 Jan-Eike Michels introduced TXL-036. Peter Pistor queried the absence of any addition of description of the new features to Concepts. Jan-Eike responded with an explanation that such changes were not necessary in this case.

TXL-036 was accepted without objection as resolution of Seq#143, Seq#077b, Seq#144 and Seq#204.

**8.105 Seq#144 (USA-P14-103) (TXL-036)**

\*2 Resolved by TXL-036. See 8.104.

**8.106 Seq#144a (WG3-P14-370) (TXL-047)**

\*2 TXL-047 was accepted without objection as resolution of Seq#144a. See 8.52.

**8.107 Seq#145 (NLD-P14-008) (STX-023)**

\*4 It was accepted without objection that Seq#145 had been addressed by STX-023. See 8.110.

**8.108 Seq#147 (USA-P14-104) (TXL-047)**

\*2 TXL-047 was accepted without objection as resolution of Seq#147. See 8.52.

**8.109 Seq#148 (USA-P14-105) (TXL-047)**

\*2 TXL-047 was accepted without objection as resolution of Seq#148. See 8.52.

**8.110 Seq#149 (USA-P14-106) (STX-023)**

\*1 STX-023 accepted without objection as the resolution of Seq#149.

\*4 STX-023 was later accepted without objection as also resolving Seq#145.

**8.111 Seq#153a (NLD-P14-009) (STX-024)**

\*1 STX-024 accepted without objection as the solution to Seq#153a. Resolved

**8.112 Seq#154 (USA-P14-111) (TXL-076)**

\*6 TXL-076 was accepted without objection as resolving Seq#154 by converting it into a Language Opportunity.

**8.113 Seq#157 (USA-P14-114) (See Comment)**

\*1 The solution contained in the comment was accepted without objection. Resolved

**8.114 Seq#158 (USA-P14-115) (\*2 TXL-064)**

\*4 TXL-064 was accepted without objection as resolving Seq158. See 8.1.

**8.115 Seq#158a (WG3-P14-380)**

\*4 It was agreed without objection that Seq#158a should be closed with no action.

**8.116 Seq#159 (USA-P14-116) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#159. See 8.5.

**8.117 Seq#160 (USA-P14-117) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#160. See 8.5.

**8.118 Seq#161 (USA-P14-118) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#161. See 8.5.

**8.119 Seq#162 (USA-P14-119) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#162. See 8.5.

**8.120 Seq#163 (USA-P14-120) (See Comment) (\*3 TXL-039R3)**

\*1 The solution contained in the comment was accepted without objection. Resolved



- \*3 The solution to Seq#163 was subsumed by TXL-039R3. See 8.5.
- 8.121 Seq#164 (USA-P14-121) (\*3 TXL-039R3)**
- \*3 TXL-039R3 was accepted as resolution of Seq#164. See 8.5.
- 8.122 Seq#167 (USA-P14-124) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#167. See 8.5.
- 8.123 Seq#168 (USA-P14-125) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#168. See 8.5.
- 8.124 Seq#171a (WG3-P14-390)**
- \*4 It was agreed without objection that Seq#171a should be resolved with no action, on the grounds that any change that might resolve the comment would introduce an incompatibility with existing specifications and implementations.
- 8.125 Seq#173 (JPN-P14-011) (See Comment)**
- \*1 The solution contained in the comment was accepted without objection. Resolved
- 8.126 Seq#174 (NLD-P14-010)**
- \*1 The solution contained in comment Seq#173, JPN-P14-011, was accepted without objection. Resolved
- 8.127 Seq#174a (WG3-P14-400)**
- \*9 It was agreed without objection that Seq#174a should be resolved by conversion to a Language Opportunity.
- Jörn Bartels said that he would probably produce a proposal to address the Language Opportunity.
- 8.128 Seq#175 (DEU-P14-004) (TXL-032) (TXL-063)**
- \*8 Jörn Bartels introduced TXL-063.
- A minor problem with paper had been identified during earlier discussion, so a revised paper will be produced. The problem is caused by the need for synchronisation between SQL/XML and the approved standard.
- In section 3.1.1, Changes to Subclause 20.3, “PARAMETERS view”, each instance of “P” was changed to “P1”. It was noted that this change should not be made for application of the proposal to the SQL/XML Working Draft. TXL-063 subsumes the changes relevant to this comment that are proposed in TXL-032.
- TXL-063, as amended, was accepted without objection as resolution of Seq#175, Seq#176 and Seq#177.
- 8.129 Seq#176 (DEU-P14-005) (\*2 TXL-063)**
- \*8 TXL-063, as amended, was accepted without objection as resolution of Seq#176. See 8.128
- 8.130 Seq#177 (DEU-P14-006) (\*2 TXL-063)**
- \*8 TXL-063, as amended, was accepted without objection as resolution of Seq#177. See 8.128
- 8.131 Seq#178 (USA-P14-127) (TXL-042)**
- \*2 TXL-042 was accepted as resolution of Seq#178. See 8.12.
- 8.132 Seq#180 (USA-P14-129) (TXL-042)**
- \*2 TXL-042 was accepted as resolution of Seq#180. See 8.12.
- 8.133 Seq#181 (USA-P14-130) (TXL-039)**
- \*3 TXL-039R3 was accepted as resolution of Seq#181. See 8.5.

**8.134 Seq#182 (DEU-P14-007) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#182. See 8.5.

**8.135 Seq#183 (DEU-P14-009) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#183. See 8.5.

**8.136 Seq#183a (DEU-P14-008) (\*2 TXL-059R1)**

\*4 Joern Bartels introduced TXL-059R1.

TXL-059-R1 was accepted without objection as resolution of Seq#183a

**8.137 Seq#184 (USA-P14-131) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#184. See 8.5.

**8.138 Seq#186a (WG3-P14-410) (See Comment) (\*2 TXL-065)**

\*4 Stephen Cannan introduced TXL-065.

It was agreed that 46 and 47 should be another required pairing of sub-features in 24.2.

TXL-065, as amended, was accepted without objection as resolution of Seq#065.

Stephen Cannan said that he would produce a revision of the document with improved layout of the new text for subclause 24.2.

\*4 TXL-065R1 was produced incorporating the agreed change to TXL-065 and the improved layout of subclause 24.2.

**8.139 Seq#187 (GBR-P14-280) (See Comment) (TXL-050)**

\*5 Krishna Kulkarni introduced TXL-050.

In section 3.1, proposed change 1, the parenthesised text ('(which includes Feature X403, "XMLAgg")') was deleted from list item 4.

In section 4.2, proposed change 1, "either" was changed to "at least one of"

TXL-050, as amended, was accepted without objection as resolution of Seq#187 and Seq#188.

**8.140 Seq#188 (USA-P14-133) (See Comment)  
(TXL-050)**

\*5 TXL-050, as amended, was accepted without objection as resolution of Seq#188. See 8.139.

**8.141 Seq#189 (USA-P14-134) (\*2 TXL-062R1)**

\*4 Keith Hare introduced TXL-062R1.

Jan-Eike Michels observed that TXL-036 made changes that deleted text addressed by this proposal. In the proposed change to item 26), (at the top of page 5 of the paper) the word "of" was deleted from the proposed new text. It was noted that the other items had been removed by TXL-036. The changes introduced by TXL-036 mean that item 26.1) should be dropped from this paper.

TXL-062R1, as amended, was accepted as resolution of Seq#189 and Seq#190a.

The Editor stated that he was likely to use his discretion to make minor changes from the wording in the proposal when applying it.

**8.142 Seq#190 (USA-P14-135) (TXL-039)**

\*3 TXL-039R3 was accepted as resolution of Seq#190. See 8.5.

**8.143 Seq#190a (GBR-P14-290) (\*2 TXL-062R1)**

\*4 TXL-062R1, as amended, was accepted without objection as resolution of Seq#190a. See 8.141.

**8.144 Seq#191 (USA-P14-136) (\*4 TXL-066)**

\*4 Keith Hare introduced TXL-066.

The second proposed change was dropped from the proposal. An item was added to insert the corresponding rule in the “Implementation-defined” Annex. This has the effect of dropping one item from paper TXL-062R1.

A new item was added to modify the rule referenced by the deleted item to change “implementation-defined” to “implementation-dependent”.

TXL-066, as amended, was accepted without objection as resolution of Seq#191.

**8.145 Seq#192 (USA-P14-137) (\*6 TXL-077R1)**

\*6 Keith Hare introduced TXL-077R1.

TXL-077R1 was accepted without objection as resolution of Seq#192.

**8.146 Seq#194 (USA-P14-139) (\*2 TXL-060)**

\*2 TXL-060, as amended, was accepted as resolution of Seq#194. See 8.67.

**8.147 Seq#197 (NLD-P14-011) (\*2 TXL-061)**

\*4 TXL-061, as modified, was accepted without objection, as resolving Seq#197. See 8.64.

**8.148 Seq#198 (NLD-P14-012) (\*7 TXL-068)**

\*7 Krishna Kulkarni introduced TXL-068.

Krishna commented on the informal description of the parameter in proposal sections 2.1.2, 2.1.2 and 2.1.3. This was determined to match the wording of the subclause to which the parameter is passed.

In section 2.1.4, “as the SQL data type” was changed to “as the value of an SQL data type”

In section 2.1.5, proposal item2, “with” was changed to “with the result of” and “V as VALUE” was changed to “as VALUE”.

In section 2.1.7, the second instance of “Edit GR 1) b)” was changed to “Edit GR 1) d)”.

There was some discussion about whether the reference to the Syntax Rules of 6.9, “<XML value function>” in GR 1)b) of 17.2, “<input using clause>” (the rule modified by section 2.1.7, item 1) is necessary, as the referenced Syntax Rules only define a local symbol and do not check any syntax. The reference was changed to 6.14, “<XML parse>” and the same change was made to the corresponding rule in 17.3, “<output using clause>”

There was a general discussion of the term “conformance to General Rules” that occurs in rules deleted by this paper (and also elsewhere in the standard). This not a meaningful concept, but seems to be aimed at potentially raising an exception that will be raised, if appropriate, by the next GR anyway. The Editor agreed to add a Note after General Rule 1) b) to point out that exceptions may be raised.

TXL-068, as amended, was accepted without objection as resolution of Seq#198.

**8.149 Seq#199 (NLD-P14-013)**

\*2 Stephen Cannan asserted that all items covered by this item had either been included in the FCD document or were the subject of explicit comments.

The US proposed the following resolution:

All changes to Part 14 that appear in the approved Corrigendum to ISO/IEC 9075:2003 shall be accepted as changes to ISO/IEC FCD9075-14.

Seconded by Canada.

Carried unanimously.

Acceptance of this resolution resolves comments Seq#199 and Seq#208.

**8.150 Seq#200 (USA-P14-141) (\*2 TXL-061)**

\*4 TXL-061, as modified, was accepted without objection, as resolving Seq#200. See 8.64.

- 8.151 Seq#201 (USA-P14-142) (TXL-041)**  
\*2 TXL-041 was accepted as resolution of Seq#201. See 8.14.
- 8.152 Seq#202 (USA-P14-143) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#202. See 8.5.
- 8.153 Seq#203 (USA-P14-144) (TXL-037)**  
\*2 Jan-Eike Michels introduced TXL-037.  
TXL-037 was accepted without objection as resolution of Seq#203.
- 8.154 Seq#204 (USA-P14-145) (TXL-036)**  
\*2 TXL-036 was accepted without objection as resolving Seq#204. See 8.104.
- 8.155 Seq#205 (USA-P14-146) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#205. See 8.5.
- 8.156 Seq#206 (USA-P14-147) (TXL-042)**  
\*2 TXL-042 was accepted as resolution of Seq#206. See 8.12.
- 8.157 Seq#207 (USA-P14-148) (\*2 TXL-051)**  
\*5 Following discussion of TXL-051, it was agreed without objection that Seq#207 should be resolved as Editorial. See 11.3.
- 8.158 Seq#208 (USA-P14-149) (STX-023 partial) (STX-024 partial)**  
\*2 Seq#208 was resolved by the resolution discussed and passed under Agenda item 8.149. See 8.149.
- 8.159 Seq#209 (USA-P14-150) (\*2 TXL-051)**  
\*5 Following discussion of TXL-051, it was agreed without objection that Seq#209 should be resolved as Editorial. See 11.3.
- 8.160 Seq#210 (USA-P14-151) (TXL-039)**  
\*3 TXL-039R3 was accepted as resolution of Seq#210. See 8.5.
- 8.161 Seq#211c (WG3-P14-420) (\*2 TXL-061)**  
\*4 TXL-061, as modified, was accepted without objection, as resolving Seq#211c. See 8.64.
- 8.162 Seq#212 (USA-P14-153) (\*2 TXL-064)**  
\*4 TXL-064 was accepted without objection as resolving Seq212. See 8.1.
- 8.163 Seq#213 (GBR-P14-010)**  
\*9 It was agreed without objection that Seq#213 should be resolved by conversion to a Language Opportunity. The first part of the comment text (up to “but”) will not be included in the text of the Language Opportunity.
- 8.164 Seq#214 (GBR-P14-080) (TXL-091R1)**  
\*9 Jan-Eike Michels introduced TXL-091R1.  
The proposal was amended by addition of an item to insert a new level 3 subclause heading “XML types” immediately before the existing text in subclause 4.2, “XML”, and to precede that with a new level 3 subclause “Introduction”, containing the single sentence “Fuller descriptions of XML concepts can be found in the XML documents referenced in subclause 2.2, ‘Other international standards’”. The precise wording of the addition was left to the discretion of the Editor.  
TXL-091, as amended, was accepted without objection as resolution of Seq#214.
- 8.165 Seq#215 (GBR-P14-090)**

- \*9 It was agreed without objection that Seq#215 should be resolved by conversion to a Language Opportunity.

**8.166 \*3 Correcting several typos in SQL/XML (TXL-056R1)**

- \*3 Kotera-san introduced TXL-056R1

The editor accepted direction from the meeting to change each instance of “value of the XML namespace definition” to “value of the XML namespace URI”. There are approximately 10 instances of the text in question.

TXL-056R1, as amended by the direction to the Editor, was accepted without objection. TXL-056R1 partially resolves Seq#196.

**8.167 \*4 Interval Datatype Annotations to implementation-defined(TXL-070)**

- \*4 Keith Hare introduced TXL-070.

TXL-070 was accepted without objection as partial resolution of Seq#211

**8.168 Fixing-the-Function-clause-of-DATATYPE\_DESCRIPTOR-table (TXL-074) (\*6 TXL-074R1)**

- \*4 Jörn Bartels introduced TXL-074.

After general discussion, it was agreed that Function statements should be simplified so as not to require augmentation in additional Parts. TXL-074 was withdrawn.

- \*6 Jörn Bartels introduced TXL-074R1.

Section 3.2 of TXL-074R1 was accepted as partial resolution of a problem identified during the ballot resolution process.

## **9 Resolution of “Catch-All” Ballot Comments**

**9.1 Seq#196 (DEU-P14-001)**

- \*3 TXL-056R1 was accepted without objection as partial resolution of Seq#196. See 8.166.

- \*9 It was agreed without objection that this comment had been fully addressed during the course of the meeting.

**9.2 Seq#211 (USA-P14-152)**

- \*9 It was agreed without objection that this comment had been fully addressed during the course of the meeting.

## **10 National Body Closing Comments**

Note that most National Bodies did not supply the Secretary with copies of their closing comments for inclusion in these minutes, so the comments recorded here are necessarily an abbreviated impression of what was actually said.

**10.1 Australia**

- \*9 Not present at the close of the meeting.

**10.2 Belgium**

Not present

**10.3 Brazil**

Not present

**10.4 Canada**

- \*9 Canada appreciates the efforts made by everybody during the past two weeks and congratulates the group on the progress made. Canada thanks our hosts for the excellent meeting facilities.

**10.5 China**

\*9 China endorsed the Canadian comments.

**10.6 Czech Republic**

Not present

**10.7 Denmark**

Not present

**10.8 Egypt**

Not present

**10.9 Finland**

Not present

**10.10 Germany**

\*9 Comments not recorded by the secretary.

**10.11 Italy**

Not present

**10.12 Japan**

\*9 Comments not recorded by the secretary.

**10.13 Netherlands**

\*9 No closing comments.

**10.14 Norway**

Not present

**10.15 Portugal**

Not present

**10.16 Republic of Korea**

Not present

**10.17 Sweden**

Not present

**10.18 United Kingdom**

\*9 We have made much better progress than the UK anticipated would be possible at the start of the meeting, and we congratulate all those who have contributed by writing or reviewing proposals over the course of the past two weeks. We congratulate in particular the WG3 Convenor on driving us to this successful conclusion.

**10.19 United States**

\*9 USA endorses the UK comments.

**10.20 Austria**

Not present

**10.21 France**

Not present

**10.22 Russian Federation**

Not present

**10.23 Switzerland**

Not present

## **11 Recommendations**

### **11.1 Preparation of Revised Texts (SD-005) (TXL-051)**

\*5 As a preliminary estimate, Jim Melton predicted that it would take about one month elapsed time to apply the changes resulting from this meeting to the FCD document. A sneak-peek should be available by the first week of June.

It was agreed that the first sneak-peek period should be for four weeks and be followed by a second sneak-peek.

\*9 The Editor said that he expected to be able to produce text for a first sneak peek by June 6<sup>th</sup>, with the sneak peek period closing on July 4<sup>th</sup>. There would be a second sneak peek from July 18<sup>th</sup> to August 1<sup>st</sup>, with the final text being sent to the Secretariat for FDIS ballot by August 29<sup>th</sup>. This last date assumes that W3C will have progressed their XQuery specification to an appropriate level of stability by that time and that there are no changes to XQuery that will require major changes to SQL/XML.

### **11.2 Disposition of Comments Report**

\*9 It was agreed that the Disposition of Comments Report should consist of these minutes, document TXL-014R3, and a recommendation from the convenor of the final session of the ballot resolution process.

### **11.3 Recommendation Regarding Progression**

\*5 The Editor stated that JTC1 had not made any pronouncement on the relation of W3C document development stages to ISO/IEC standardization stages. However it seemed likely that once the Xquery specification had reached Candidate Recommendation (CR) and the test suite that is part of the W3C process had been issued, it would be reasonable to assume that the specification was at a stage equivalent to DIS and it would be permissible to initiate the SQL/XML FDIS ballot.

In view of the uncertainty over the progression of the XQuery specification on W3C, it was agreed that this ballot resolution meeting should be continued. The Editor would determine whether closure, and electronic meeting or a face to face meeting was appropriate. The continuation would either be an electronic meeting, hosted by Canada, or a face to face meeting held in conjunction with the WG3 interim meeting. The need for the continuation meeting being held would be determined once the nature of any changes needed to maintain alignment with the XQuery specifications was known.

It was agreed that if the Editor decided that a further session of the Ballot Resolution meeting was not required, he would circulate a sneak-peek document for final review before producing the FDIS text.

It was agreed without objection that comments Seq#207 and Seq#209, which are identified in TXL-051, and also Seq#026a should be marked Resolved as Editorial.

## **12 Action Items**

\*9 Jan-Eike Michel to produce a revision of document TXL-092R2 to include the text missing from section 3.2.

\*9 The Editor to produce the updated document.

## **13 Adjourn**

Adjourn to be reconvened at a time and place of the Editor's choice, or closed, at the Editor's discretion.

**JTC 1/SC 32 N1302**  
**JTC 1/SC 32/WG 3 WLG-015**

ISO/IEC JTC1/SC32/WG3  
DOCUMENT REGISTER

11th April – 22nd April 2005

Berlin, Germany

This is a common Document Register for three concurrent meetings held in Berlin during the period 11<sup>th</sup> April 2005 to 21<sup>st</sup> April 2005:

SC32/WG3 Working Group meeting  
FCD ISO/IEC 9075-14 Ballot Resolution meeting  
CD ISO/IEC 9075-{1, 2, 3, 4, 9, 11 13} Ballot Resolution meeting

The entry in the “Agenda” column identifies the meeting and the Agenda Item or Items within the meeting to which the document was assigned. The prefixes “WG” “EMC” and “EMX” identify, respectively, the Working Group, CD Ballot Resolution and FCD Ballot Resolution meetings.

Prefix: WG3 TXL

No.	Source	Title	Agenda	Avail.?
001	Fan	Minutes from WG Meeting, St Croix, USVI	WG 5.1	Y
002p	Melton	ISO 9075-1 SQL/Framework CD	WG 6.14	Y
003p	Melton	ISO 9075-2 SQL/Foundation CD	WG 6.15	Y
004p	Melton	ISO 9075-3 SQL/CLI CD	WG 6.16	Y
005p	Melton	ISO 9075-4 SQL/PSM CD	WG 6.17	Y
006p	Melton	ISO 9075-9 SQL/MED CD	WG 6.18	Y
007p	Melton	ISO 9075-10 SQL/OLB CD	WG 6.19	Y
008p	Melton	ISO 9075-11 SQL/Schemata CD	WG 6.20	Y
009p	Melton	ISO 9075-13 SQL/JRT CD	WG 6.21	Y
010R1p	Melton	ISO 9075-14 SQL/XML WD	WG 6.30	Y
011p	Cannan	ISO-9075:2003 Technical Corrigendum WDCOR	WG 6.31	Y
012	Fan	Action Items arising from the minutes	WG 5.2	Y
013R1p	Melton	ISO 9075-14 SQL/XML FCD	WG 6.32	Y
014R2	Melton	Consolidated FCD SQL/XML Ballot Comments	EMX 5.3	Y
015	Melton	Consolidated CD (other parts) Ballot Comments	EMC 5.3	Y
016	Rabinovitch, Müller., Pistor,	Addressing missing correlation names in view definitions containing joined tables	EMC 7.404	Y
017	NNI	Netherlands FCD SQL/XML Ballot Comments	EMX 6.13	Y
018	DEU	German FCD SQL/XML Ballot Comments	EMX 6.10	Y
019	Fan	Minutes from DCOR Editing Meeting, St Croix, USVI	WG 5.3	Y
020	Piprani	Metadata Driven Automated Data Cleansing for an Advanced Generation Data Warehouse	WG 9.1	Y
021	Melton	ISO 9075-1 SQL/Framework WD	WG 6.22	Y
022	Melton	ISO 9075-2 SQL/Foundation WD	WG 6.23	Y
023	Melton	ISO 9075-3 SQL/CLI WD	WG6.24	Y
024	Melton	ISO 9075-4 SQL/PSM WD	WG6.25	Y
025	Melton	ISO 9075-9 SQL/MED WD	WG6.26	Y
026	Melton	ISO 9075-10 SQL/OLB WD	WG6.27	Y
027	Melton	ISO 9075-11 SQL/Schemata WD	WG6.28	Y
028	Melton	ISO 9075-13 SQL/JRT WD	WG6.29	Y
029	GBR	UK FCD SQL/XML Ballot Comments	EMX 6.18	Y
030	USA	USA comments on ISO/IEC FCD 9075-14 (SQL/XML)	EMX 6.19	Y
031	NNI	Netherlands CD Ballot Comments	EMC 6.13	Y
032	Rabinovitch, Müller, Pistor	Addressing missing correlation names in view definitions containing joined tables (type two).	EMC 7.401 EMC 7.404 EMX 8.128	Y



No.	Source	Title	Agenda	Avail.?
033	Rabinovitch, Müller, Pistor	Addressing missing correlation names in view definitions containing joined tables (type three)	EMC 7.402	Y
034	GER	German CD Ballot Comments	EMC 6.10	Y
035	USA	Option for XML Declaration (H2-2005-075)	EMX 8.53	Y
036	USA	XMLDOCUMENT (Node) Constructor (H2-2005-076)	EMX 8.61 EMX 8.104, EMX 8.105, EMX 8.154	Y
037	USA	XMLTEXT (Node) Constructor (H2-2005-077)	EMX 8.153	Y
038	USA	Addressing SQL/XML comment USA-P014-054 (H2-2005-079)	EMX 8.60	Y
039R2	USA	Adding new type modifiers for XML type (H2-2005-081)	EMX 8.4, EMX 8.4, EMX 8.6, EMX 8.9, EMX 8.11, EMX 8.39, EMX 8.40, EMX 8.42, EMX 8.43, EMX 8.46, EMX 8.69, EMX 8.78, EMX 8.79, EMX 8.80, EMX 8.81, EMX 8.84, EMX 8.85, EMX 8.87, EMX 8.88, EMX 8.91, EMX 8.92, EMX 8.116, EMX 8.117, EMX 8.118, EMX 8.119, EMX 8.120 EMX 8.121, EMX 8.122, EMX 8.123, EMX 8.133, EMX 8.134, EMX 8.135, EMX 8.137, EMX 8.142, EMX 8.152, EMX 8.155, EMX 8.160	Y
040	USA	USA Comments on ISO/IEC CD 9075-1, -2, -3, -4, -9, -10, -11, and -13 (H2-2005-084)	EMC 6.19	Y
041	USA	Predefined Namespace Prefixes (H2-2005-085)	EMX 8.14, EMX 8.151	Y
042	USA	Miscellaneous corrections for registered XML Schemas (H2-2005-086)	EMX 8.12, EMX 8.86 EMX 8.131, EMX 8.132, EMX 8.156	Y
043	USA	SQL/OLB: Undefined Constants (H2-2005-088)	EMC 7.403	Y
044	GBR	UK CD Ballot Comments	EMC 6.18	Y
045	JPN	Japan Ballot Comments on CD 9075:2007(E)	EMC 6.12	Y
046	Hare	Post SQL-2003 Directions (H2-2005-070)	WG 20.2	Y
047	USA	Improving XMLSerialize (H2-2005-112)	EMX 8.52, EMX 8.54, EMX 8.106, EMX 8.108, EMX 8.109	Y
048	USA	XMLQuery with invalid context items (H2-2005-113)	EMX 8.59, EMX 8.63	Y

No.	Source	Title	Agenda	Avail.?
049	USA	Pass BY VALUE in XMLTable (H2-2005-114)	EMX 8.72, EMX 8.74	Y
050	USA	Enhancing the SQL/XML:2005 Conformance Clause (H2-2005-115)	EMX 8.139, EMX 8.140	Y
051	USA	Editorial discretion for SQL/XML #209, USA-P14-150 (H2-2005-116)	EMX 8.13 EMX 8.157, EMX 8.159	Y
052	USA	Cleanup of XMLCast	EMX 8.35, EMX 8.36, EMX 8.37, EMX 8.41, EMX 8.47, EMX 8.48, EMX 8.50	Y
053	USA	Defining "equivalent XML text" (WITHDRAWN)	EMX 8.4	Y
054	USA	SQL/XML forestry	EMX 8.21, EMX 8.24	Y
055R1	USA	IS VALID: Allowing to constrain to a specific schema namespace URI in a schema ID without referencing a specific element and adding support for referencing specific elements with no namespace.	EMX 8.82, EMX 8.83	Y
056R1	Kotera	Correcting several typos in SQL/XML	EMX 8.166	Y
057R2	Kotera	Making a difference between GENERATED ALWAYS and GENERATED BY DEFAULT	EMC 7.101	Y
058	GBR	UK Response to SC32N1142	WG 20.3	Y
059R1	Bartels	Fixing table definitions in XML	EMX 8.136	Y
060	Cannan	Clarifying that <XML iterate> is internal	EMX 8.67, EMX 8.68, EMX 8.76, EMX 8.146	Y
061	Michels	Identical XML values and related issues	EMX 8.64, EMX 8.93, EMX 8.94, EMX 8.95, EMX 8.96, EMX 8.147, EMX 8.150, EMX 8.161	Y
062R2	Hare	Resolve Sequence Numbers 189 and 190a,	EMX 8.141, EMX 8.143	Y
063	Bartels	Fixing View definitions in XML	WG 19.2 EMX 8.128, EMX 8.129, EMX 8.130	Y
064	Melton	Resolving seven comments	EMX 8.1, EMX 8.26, EMX 8.38, EMX 8.55, EMX 8.98, EMX 8.114, EMX 8.162	Y
065	Cannan	Resolving SEQ#186a	EMX 8.138	Y
066	Hare	Resolve Sequence Numbers 191	EMX 8.144	Y
067	Melton	Resolving several mapping comments	EMX 8.15, EMX 8.18, EMX 8.28, EMX 8.29, EMX 8.30, EMX 8.31, EMX 8.32 EMX 8.33, EMX 8.34, EMX 8.97	Y
068	Panny	Fixing Rule invocation in SQL/XML	EMX 8.148	Y
069	Michels	Clarifying XQuery support	EMX 8.62	Y
070	Hare	Interval Datatype Annotations should to implementation-defined	EMX 8.167	Y

No.	Source	Title	Agenda	Avail.?
071	Rys	How to refer to XQuery variables.	EMX 8.49, EMX 8.65, EMX 8.66	Y
072	Zemke	Quasideterminism – a discussion	EMX 19.1	Y
073	Zemke	XML 1.0 / 1.1 clean-up	EMX 8.45, EMX 8.84, EMX 8.99, EMX 8.102	Y
074R1	Bartels	Fixing the function clause of the DATATYPE_DESCRIPTOR table	EMX 8.168	Y
075	Pistor		EMC 7.56	
076	Rys	LO for Seq#154	EMX 8.112	Y
077	Hare	Review Annex D, Incompatibilities	EMX 8.145	Y
078	Kulkarni	Addressing 3 ballot comments (16, 73, 99)	EMX 8.7, EMX 8.56, EMX 8.77	Y
079R1	Zemke	Comments on XMLTable SR 3)h)	EMX 8.70, EMX 8.71, EMX 8.75	Y
080	Cannan	Fixing the tagging in PSM	EMC 7.256, EMC 7.257	Y
081	Cannan	SC 32/WG 03 Liaisons Updates(TXL), Berlin, Germany	WG 22.1	Y
082R1	Cannan	SC 32/WG 03 Project Corrections (TXL), Berlin, Germany	WG 22.2	Y
083R3	Cannan	SC 32/WG 03 Plenary Resolutions (TXL), Berlin, Germany	WG 22.3	Y
084	Cannan	Convenor's report to Plenary (TXL), Berlin, Germany	WG 22.4	
085	Cannan	Various CLI comments (NOT PRODUCED)		
086R1	Zemke	XML Element construction clean-up	EMX 8.100, EMX 8.101	Y
087	Zemke	XQuery analysis phase	EMX 8.58	Y
088	Bartels & Pistor	Germany response on SC32 N1142	WG 20.4	Y
089	Melton	Revised planning for SD-005	WG 22.1	Y
090R1	Hare	WG3 Project split (32N1299)	WG 22.1	Y
091R1	Zemke	More SQL/XML concepts	EMX 8.164	Y
092R2	Michels	Bringing the host language bindings up-to-date	EMX 8.57	Y
093	Bartley	Information about the Wellington meeting	WG 22.1	
094	Shiratori	An amendment to TXL-067	EMX 8.15	Y
095	Zhao	Resolving SEQ#s 294, 298, 299: add some table constraints.	EMC 7.282	
096	Hare	NWI proposal for Technical Reports	WG 22.3	
097	Zhao	Resolving SEQ# 295: merged the descriptions	EMC 7.283	
098	Zhao	Resolving SEQ# 348: turn to note	EMC 7.333	
099	Zhao	Resolving SEQ# 376: wipe off the constraints	EMC 7.358	
100	Zhao	Resolving SEQs# 380,389,390,391,393,402: the problems of constraints and misspelled.	EMC 7.362 EMC 7.371 EMC 7.372 EMC 7.373 EMC 7.375 EMC 7.384	