

ISO/IEC JTC 1/SC 32 N 1865

Date: 2009-04-23

REPLACES: —

<p>ISO/IEC JTC 1/SC 32</p> <p>Data Management and Interchange</p> <p>Secretariat: United States of America (ANSI) Administered by Farance Inc. on behalf of ANSI</p>
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DOCUMENT TYPE	Summary of Voting/Table of Replies
TITLE	Summary of Voting on 32N1825 CD 9075-14 Information technology - Database languages - SQL - Part 14: SQL/XML
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PROJECT NUMBER	1.32.03.08.14.00
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ISO/IEC JTC 1/SC 32 N1865

Summary of Voting on Document SC 32 N 1825

Title: Summary of Voting on 32N1825 CD 9075-14 Information technology - Database languages - SQL - Part 14: SQL/XML

Project: 1.32.03.08.14.00

“P” Member	Approval	Approval with Comments	Disapproval with Comments	Abstention with Comments
Australia	1			
Belgium				
Brazil				
Canada			1	
China	1			
Czech Republic	1			
Egypt				
Finland				
Germany	1			
Japan	1			
Korea, Republic of	1			
Portugal				
Sweden	1			
United Kingdom			1	
United States			1	
Total “P”	7	0	3	0
“O” Member				
Austria				
Denmark				
France				
Italy				
Kazakhstan				
Netherlands, The				
Norway				
Russian Federation				
Switzerland				
Total “O”				

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COMMENTS:

Canada

No. See comments attached below:

United Kingdom

No. See comments attached below:

United States

No. See comments attached below:

National Body CAN Comments — 2009-04-08

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
CD SQL/Framework						
	P01-CAN-020		1-Major Technical	<i>P01-No specific location</i>	<p>All Possible Problems and Editor's Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-001		3-Major Editorial	<i>P01-Foreword</i>	<p>The Foreword refers to SQL parts that are NOT part of this (third) edition. In particular the text reads:</p> <p>ISO/IEC 9075 consists of the following parts, under the general title <i>Information technology — Database languages</i></p> <p>— <i>SQL</i>:</p> <ul style="list-style-type: none"> — Part 1: Framework (SQL/Framework) — Part 2: Foundation (SQL/Foundation) — Part 3: Call-Level Interface (SQL/CLI) — Part 4: Persistent Stored Modules (SQL/PSM) — Part 9: Management of External Data (SQL/MED) — Part 10: Object Language Bindings (SQL/OLB) — Part 11: Information and Definition Schema (SQL/Schemata) — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Part 14: XML-Related Specifications (SQL/XML) <p>We recommend that text be added to this part of the Foreword to notify the reader that only Parts 1, 2, 4, 11 and 14 are being revised as part of this edition. This change should also be made to the Forewords to the other parts as well.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-002		3-Major Editorial	<i>P01-02.01, ISO and IEC standards</i>	<p>The following normative references are INCORRECT since they are NOT part of this edition of ISO 9075:</p> <p>[ISO9075-3] ISO/IEC 9075-3:2008, <i>Information technology — Database languages — SQL — Part 3: Call-Level Interface (SQL/CLI)</i></p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>[ISO9075-9] ISO/IEC 9075-9:2008, <i>Information technology — Database languages — SQL — Part 9: Management of External Data (SQL/MED)</i></p> <p>[ISO9075-10] ISO/IEC 9075-10:2008, <i>Information technology — Database languages — SQL — Part 10: Object Language Bindings (SQL/OLB)</i></p> <p>[ISO9075-13] ISO/IEC 9075-13:2008, <i>Information technology — Database languages — SQL — Part 13: SQL Routines & Types Using the Java™ Programming Language (SQL/JRT)</i></p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-003		3-Major Editorial	<i>P01-04.02.04, SQL-client modules</i>	<p>This sub-clause makes a reference to SQL/CLI is which NOT part of this edition of ISO 9075:</p> <p>Exactly one SQL-client module is associated with an SQL-agent at any time. However, in the case of either direct binding style or SQL/CLI, this may a default SQL-client module whose existence is not apparent to the user.</p> <p style="text-align: center;">Solution</p> <p>Remove the text “or SQL/CLI”.</p>	
	P01-CAN-004		3-Major Editorial	<i>P01-04.06.02.02, Collations</i>	<p>This sub-clause contains the following text which references the “ISO 14561” standard that is NOT in the listed Normative References:</p> <p>Every collation shall be defined by or derived from an International Standard such as ISO/IEC 14561 or by a National Standard, or shall be an implementation-defined collation.</p> <p>First we should point out that the correct number of this standard is “ISO/IEC 14651”!</p> <p>There is a reference to ISO/IEC 14651 in this specification’s Bibliography but since the reference is in normative text we recommend the reference be moved to the Normative References. Note that the Reference in the Foundation is in the Normative References.</p> <p style="text-align: center;">Solution</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					None provided with comment.	
	P01-CAN-005		3-Major Editorial	<i>P01-04.08.01, Host Languages</i>	<p>This sub-clause contains references to parts 3 and 10 of ISO 9075 that are not part of this edition:</p> <p>[ISO9075-2], [ISO9075-3], and [ISO9075-10] define bindings between an SQL-implementation and several programming languages, mostly languages for which there is an International Standard.</p> <p>— The Call-Level Interface (specified in [ISO9075-3]). In this case, the SQL-agent invokes one of a number of standard routines, passing appropriate arguments, such as a character string whose value is some SQL-statement.</p> <p>— Embedded SQL (specified in [ISO9075-2] and [ISO9075-10]). In this case, SQL-statements are coded into the application program; an implementation-dependent mechanism is then used to:</p> <ul style="list-style-type: none"> - Generate from each SQL-statement an externally-invoked procedure. These procedures are collected together into a module, for subsequent use as an SQL-client module. In Object Language Bindings, described in [ISO9075-10], the roles of modules and procedures are served by classes and their methods. <p>[ISO9075-10] specifies the actions of a method of an SQL-client class when it is invoked from a host program.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-006		3-Major Editorial	<i>P01-05.01, Overview</i>	<p>This sub-clause refers to SQL parts that are NOT part of this (third) edition. In particular the following text contains these incorrect references:</p> <p>[ISO9075-3], Call-level interface, specifies another mechanism of communication between an SQL-agent and an SQL-implementation.</p> <p>[ISO9075-9], Management of External Data, specifies significant additions to SQL that permit an SQL-agent to access data not under the control of SQL-servers in the SQL-environment.</p> <p>[ISO9075-10], Object Language Bindings, specifies the manner in which</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					SQL statements can be embedded into Java programs. [ISO9075-13], Routines & Types Using the Java Programming Language, specifies the ability to invoke static methods written in the Java programming language as SQL-invoked routines and to use classes defined in the Java programming language as SQL structured types. Solution None provided with comment.	
	P01-CAN-007		3-Major Editorial	<i>P01-05.04, ISO/IEC 9075-3: Call Level Interface (SQL/CLI)1 Host Languages</i>	This sub-clause describes a SQL part that is NOT part of this (third) edition. Solution None provided with comment.	
	P01-CAN-008		3-Major Editorial	<i>P01-05.06, ISO/IEC 9075-9: Management of External Data (SQL/MED)</i>	This sub-clause describes a SQL part that is NOT part of this (third) edition. Solution None provided with comment.	
	P01-CAN-009		3-Major Editorial	<i>P01-05.07, ISO/IEC 9075-10: Object Language Bindings (SQL/OLB)</i>	This sub-clause describes a SQL part that is NOT part of this (third) edition. Solution None provided with comment.	
	P01-CAN-010		3-Major Editorial	<i>P01-05.09, ISO/IEC 9075-13: Java Routines & Types Using the Java Programming Language (SQL/JRT)</i>	This sub-clause describes a SQL part that is NOT part of this (third) edition. Solution None provided with comment.	
	P01-CAN-011		3-Major Editorial	<i>P01-06.03.05.01, New and modified Clauses, Subclauses, and Annexes</i>	This sub-clause refers to the [ISO9075-3] part that is NOT part of this (third) edition. All references to this discontinued part should be removed from this sub-clause. Solution None provided with comment.	
	P01-CAN-012		3-Major Editorial	<i>P01-06.03.05.02, New and modified tables and figures</i>	This sub-clause refers to the [ISO9075-3] part that is NOT part of this (third) edition. All references to this discontinued part should be removed from this sub-clause. Solution	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					None provided with comment.	
	P01-CAN-013		3-Major Editorial	<i>P01-06.03.05.04, New and modified Format items</i>	<p>This sub-clause refers to the [ISO9075-3] part that is NOT part of this (third) edition. All references to this discontinued part should be removed from this sub-clause.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-014		3-Major Editorial	<i>P01-06.03.05.05, New and modified paragraphs and rules</i>	<p>This sub-clause refers to the [ISO9075-3] part that is NOT part of this (third) edition. All references to this discontinued part should be removed from this sub-clause.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-015		3-Major Editorial	<i>P01-07.01, SQL conformance summary</i>	<p>This sub-clause refers to the [ISO9075-3] part that is NOT part of this (third) edition. All references to this discontinued part should be removed from this sub-clause.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-016		4-Minor Editorial	<i>P01-08.04.04, Basic object support</i>	<p>The following text contains an extraneous ">" character that should be removed:</p> <p>— Feature S051, "Create "></p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-017		3-Major Editorial	<i>P01-08.05, SQL Flagger</i>	<p>This sub-clause refers to the several parts that are NOT part of this (third) edition.</p> <p>— Invocations of SQL/CLI routines.</p> <p>All references to discontinued parts should be removed from this sub-clause.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-018		3-Major Editorial	<i>P01-08.06.01, Requirements for SQL applications</i>	<p>This sub-clause refers to the several parts that are NOT part of this (third) edition. For example the following reference to SQL/CLI should be removed:</p> <p>NOTE 16 — Further details can be found in Annex F, "SQL feature taxonomy", in [ISO9075-2], Annex F, "SQL feature taxonomy", in [ISO9075-3], Annex F, "SQL feature taxonomy", in [ISO9075-4], Annex F, "SQL feature taxonomy", in [ISO9075-9], Annex F, "SQL feature taxonomy", in [ISO9075-10], Annex F, "SQL feature taxonomy", in [ISO9075-11], Annex F, "SQL feature taxonomy", in [ISO9075-13], and Annex F, "SQL feature taxonomy", in [ISO9075-14].</p> <p>All references to these discontinued parts should be removed from this sub-clause.</p>	

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					<p align="center">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-019		3-Major Editorial	<i>P01-Annex E,, Incompatibilities with ISO/IEC 9075:2008</i>	<p>This Annex should contain the following incompatibility which is included the corresponding Annex in Foundation since Profile were defined in this part:</p> <p>In ISO/IEC 9075-1:2008, SQL Profiles were defined for Database Language SQL. In this edition of this part of ISO/IEC 9075, the definition of SQL Profiles has been eliminated.</p> <p>We believe that the incompatibility can also appear in Foundation.</p> <p align="center">Solution</p> <p>None provided with comment.</p>	
CD SQL/Foundation						
	P02-CAN-007		1-Major Technical	<i>P02-No specific location</i>	<p>All Possible Problems and Editor's Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p align="center">Solution</p> <p>None provided with comment.</p>	
	P02-CAN-001		3-Major Editorial	<i>P02-Foreword</i>	<p>The Foreword refers to SQL parts that are NOT part of this (third) edition. In particular the text reads:</p> <p>ISO/IEC 9075 consists of the following parts, under the general title <i>Information technology — Database languages</i></p> <p>— <i>SQL</i>:</p> <ul style="list-style-type: none"> — Part 1: Framework (SQL/Framework) — Part 2: Foundation (SQL/Foundation) — Part 3: Call-Level Interface (SQL/CLI) — Part 4: Persistent Stored Modules (SQL/PSM) — Part 9: Management of External Data (SQL/MED) — Part 10: Object Language Bindings (SQL/OLB) — Part 11: Information and Definition Schema (SQL/Schemata) — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Part 14: XML-Related Specifications (SQL/XML) <p>We recommend that text be added to this part of the Foreword to notify the reader that only Parts 1, 2, 4, 11 and 14 are being revised as part of this edition. This change should also be made to the Forewords to the</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>other parts as well.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P02-CAN-002		3-Major Editorial	<i>P02-03, Definitions, notations, and conventions</i>	<p>The sub-clause contains the markup as defined in the Framework to indicate which incremental and other parts modify this sub-clause:</p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-3.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-4.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-10.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-11.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-13.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations and conventions”, in ISO/IEC 9075-14.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-15.</i></p> <p>We recommend that markup for parts 3 (SQL/CLI), 10 (SQL/OLB), and 13 (SQL/JRT) be removed since these parts are not part of this edition. In general the only markup that should be shown should be for parts that are being included in this edition of ISO 9075.</p> <p>We also recommend that the markup for part 15 be removed since we do not know what this pertains to.</p> <p>We believe this would leave the following correct markup for this sub-clause:</p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-4.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations, and conventions”, in ISO/IEC 9075-11.</i></p> <p><i>This Clause is modified by Clause 3, “Definitions, notations and conventions”, in ISO/IEC 9075-14.</i></p> <p>If this ballot comment is accepted then this type of change should be applied to ALL other sub-clauses in the Foundation.</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P02-CAN-003		3-Major Editorial	<i>P02-04.01.02, Naming of predefined types</i>	<p>The sub-clause contains markup to indicate which incremental and other parts modify this sub-clause but this markup is NOT defined in the Framework:</p> <p>^{09 14} SQL defines predefined data types named by the following <key word>s:</p> <p>The leading text “^{09 14}” should be defined in the Framework so that readers know what it means.</p> <p>In addition we recommend that this special markup for parts 3 (SQL/CLI), 10 (SQL/OLB), and 13 ISQL/JRT) be removed since these parts are not part of his edition. In general the only markup that should be shown should be for parts that are being included in this edition of ISO 9075.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P02-CAN-004		2-Minor Technical	<i>P02-13.04, Calls to an <externally-invoked procedure></i>	<p>The sub-clause contains a reference to SQL/CLI that can be removed this ISO 9075-3 is not part of this edition of ISO 9075:</p> <p>CLI_SPECIFIC_CONDITION_NO_SUBCLASS: constant SQLSTATE_TYPE := "HY000";</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P02-CAN-005		1-Major Technical	<i>P02-Annex G, Defect Reports not addressed in this edition of ISO/IEC 9075</i>	<p>This Annex contains two defects that are not yet fixed:</p> <p>1) Subclause 10.4, “<routine invocation>”: There is no definition of how to pass values of type BOOLEAN or of large object types as arguments to invocations of external routines. More generally, the question of how to convert a value of any SQL type to a value of an appropriate host language type at the interface to an SQL-invoked routine is not addressed. The rules in Subclause 13.4, “Calls to an <externally-invoked procedure>”, are appropriate, but they are not referenced by the rules of Subclause 10.4, “<routine invocation>”.</p> <p>2) Subclause 21.1, “<embedded SQL host program>”:</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>SR 21)h)i)6) and SR 21)l)i)3)B)VI) both refer to the SQL data type that corresponds to a given host language data type, as determined by application of the rules in Subclause 13.6, “Data type correspondences”. These two syntax rules are sometimes ambiguous, because Subclause 13.6, “Data type correspondences” does not always give exactly one SQL data type for a given host language type, as can be seen by inspection of the data type correspondence tables given in that Subclause. For example, Table 17, “Data type correspondences for C”, in which the C data type “pointer to long” maps to both INTEGER and BOOLEAN.</p> <p>These defects should be fixed before the specification advances to FCD.</p> <p>Solution</p> <p>None provided with comment.</p>	
	P02-CAN-006		3-Major Editorial	<i>P02-Bibliography</i>	<p>The following references are INCORRECT since they are NOT part of this edition of ISO 9075:</p> <p>[ISO9075-3] ISO/IEC 9075-3:2008, <i>Information technology — Database languages — SQL — Part 3: Call-Level Interface (SQL/CLI)</i></p> <p>[ISO9075-9] ISO/IEC 9075-9:2008, <i>Information technology — Database languages — SQL — Part 9: Management of External Data (SQL/MED)</i></p> <p>[ISO9075-10] ISO/IEC 9075-10:2008, <i>Information technology — Database languages — SQL — Part 10: Object Language Bindings (SQL/OLB)</i></p> <p>[ISO9075-13] ISO/IEC 9075-13:2008, <i>Information technology — Database languages — SQL — Part 13: SQL Routines & Types Using the Java™ Programming Language (SQL/JRT)</i></p> <p>Solution</p> <p>None provided with comment.</p>	
CD SQL/PSM						
	P04-CAN-004		1-Major Technical	<i>P04-No specific location</i>	<p>All Possible Problems and Editor’s Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p>Solution</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					None provided with comment.	
	P04-CAN-001		3-Major Editorial	<i>P04-Foreword</i>	<p>The Foreword refers to SQL parts that are NOT part of this (third) edition. In particular the text reads:</p> <p>ISO/IEC 9075 consists of the following parts, under the general title <i>Information technology — Database languages</i></p> <p>— <i>SQL</i>:</p> <ul style="list-style-type: none"> — Part 1: Framework (SQL/Framework) — Part 2: Foundation (SQL/Foundation) — Part 3: Call-Level Interface (SQL/CLI) — Part 4: Persistent Stored Modules (SQL/PSM) — Part 9: Management of External Data (SQL/MED) — Part 10: Object Language Bindings (SQL/OLB) — Part 11: Information and Definition Schema (SQL/Schemata) — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Part 14: XML-Related Specifications (SQL/XML) <p>We recommend that text be added to this part of the Foreword to notify the reader that only Parts 1, 2, 4, 11 and 14 are being revised as part of this edition. This change should also be made to the Forewords to the other parts as well.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P04-CAN-002		4-Minor Editorial	<i>P04-18.07, ROUTINES view</i>	<p>This sub-clause contains the following text with the word “clause” misspelled:</p> <p>Replace the outermost WHERE cluase of the VIEW definition with:</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P04-CAN-003		1-Major Technical	<i>P04-Annex G, Defect Reports not addressed in this edition of ISO/IEC 9075</i>	<p>This Annex contains one defect that are not yet fixed:</p> <p>1) Subclause 10.3, “<revoke statement>”</p> <p>This subclause extends Subclause 12.7, “<revoke statement>”, in [ISO9075-2], but fails to make any extension to GR 19) of that Subclause to take into account the fact that the <triggered action> of a trigger might be an SQL-control statement that includes (for example) a <scalar subquery> that references some schema object. Thus, the Syntax and General Rules of an SQL-procedure statement that would cause</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>destruction of such a schema object do not necessarily take into account that some trigger might cease to be valid as a result of that destruction.</p> <p>These defects should be fixed before the specification advances to FCD.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
CD SQL/Schemata						
	P11-CAN-003		1-Major Technical	<i>P11-No specific location</i>	<p>All Possible Problems and Editor's Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P11-CAN-001		3-Major Editorial	<i>P11-Foreword</i>	<p>The Foreword refers to SQL parts that are NOT part of this (third) edition. In particular the text reads:</p> <p>ISO/IEC 9075 consists of the following parts, under the general title <i>Information technology — Database languages</i></p> <p>— <i>SQL</i>:</p> <ul style="list-style-type: none"> — Part 1: Framework (SQL/Framework) — Part 2: Foundation (SQL/Foundation) — Part 3: Call-Level Interface (SQL/CLI) — Part 4: Persistent Stored Modules (SQL/PSM) — Part 9: Management of External Data (SQL/MED) — Part 10: Object Language Bindings (SQL/OLB) — Part 11: Information and Definition Schema (SQL/Schemata) — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Part 14: XML-Related Specifications (SQL/XML) <p>We recommend that text be added to this part of the Foreword to notify the reader that only Parts 1, 2, 4, 11 and 14 are being revised as part of this edition. This change should also be made to the Forewords to the other parts as well.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P11-CAN-002		3-Major Editorial	<i>P02-03, Definitions, notations, and</i>	<p>The sub-clause contains the markup as defined in the Framework to indicate which incremental and other parts modify this sub-clause:</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
				<i>conventions</i>	<p><i>This Clause is modified by Clause 18, "Information Schema", in ISO/IEC 9075-4.</i></p> <p><i>This Clause is modified by Clause 24, "Information Schema", in ISO/IEC 9075-9.</i></p> <p><i>This Clause is modified by Clause 13, "Information Schema", in ISO/IEC 9075-13.</i></p> <p><i>This Clause is modified by Clause 20, "Information Schema", in ISO/IEC 9075-14.</i></p> <p><i>This Clause is modified by Clause 12, "Information Schema", in ISO/IEC 9075-15.</i></p> <p>We recommend that markup for part 13 (SQL/JRT) be removed since this part is not part of this edition. In general the only markup that should be shown should be for parts that are being included in this edition of ISO 9075.</p> <p>We also recommend that the markup for part 15 be removed since we do not know what this pertains to.</p> <p>This change should be made throughout this part and other parts of this Edition.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
CD SQL/XML						
	P14-CAN-008		1-Major Technical	<i>P14-No specific location</i>	<p>All Possible Problems and Editor's Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P14-CAN-001		3-Major Editorial	<i>P14-Foreword</i>	<p>The Foreword refers to SQL parts that are NOT part of this (third) edition. In particular the text reads:</p> <p>ISO/IEC 9075 consists of the following parts, under the general title <i>Information technology — Database languages</i></p> <p>— <i>SQL</i>:</p> <ul style="list-style-type: none"> — Part 1: Framework (SQL/Framework) — Part 2: Foundation (SQL/Foundation) — Part 3: Call-Level Interface (SQL/CLI) — Part 4: Persistent Stored Modules (SQL/PSM) — Part 9: Management of External Data (SQL/MED) 	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>— Part 10: Object Language Bindings (SQL/OLB) — Part 11: Information and Definition Schema (SQL/Schemata) — Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT) — Part 14: XML-Related Specifications (SQL/XML)</p> <p>We recommend that text be added to this part of the Foreword to notify the reader that only Parts 1, 2, 4, 11 and 14 are being revised as part of this edition. This change should also be made to the Forewords to the other parts as well.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P14-CAN-002		3-Major Editorial	<i>P14-02.02, Other international standards</i>	<p>The following entries are confusing and possibly incorrect:</p> <p>[Namespaces] is used to reference either [Namespaces 1.0] or [Namespaces 1.1] when there is no significant difference between the two for the purposes of a given citation.</p> <p>[Namespaces 1.0] (<i>Recommendation</i>) <i>Namespaces in XML 1.0 (Second Edition)</i>, First published 14 January 1999, revised 16 August 2006 http://www.w3.org/TR/2006/REC-xml-names-20060816</p> <p>[Namespaces 1.1] (<i>Recommendation</i>) <i>Namespaces in XML 1.1 (Second Edition)</i>, First published 4 February 2004, revised 16 August 2006 http://www.w3.org/TR/2006/REC-xml-names-20060816</p> <p>The titles of these references appear to be different but the link to the W3C site is the same. The link for the second reference should perhaps be:</p> <p>http://www.w3.org/TR/2006/REC-xml-names11-20060816.</p> <p style="text-align: center;">Solution</p> <p>See comment.</p>	
	P14-CAN-004		2-Minor Technical	<i>P14-02.02, Other international standards</i>	<p>This specification refers to an out of date version of the XQuery Update language:</p> <p>[XQueryUpdate] (<i>Candidate Recommendation</i>) XQuery Update Facility 1.0, W3C Working Draft, 14 March 2008</p>	

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
					<p>http://www.w3.org/TR/xquery-update-10/</p> <p>Although this document is still in the W3C CR stage, we recommend that that status be tracked during processing of this part so that this reference can be updated in the referenced material advances to Recommendation status.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P14-CAN-005		2-Minor Technical	<i>P14-03.01.03, Definitions provided in Part 14</i>	<p>This sub-clause includes the following definition:</p> <p>3.1.3.8 URI: Uniform Resource Identifier as defined in [RFC2396], as updated by [RFC2732].</p> <p>There are no references provided for [RFC2396] and [RFC2732]. We believe they may have been replaced by the reference to [RFC3986].</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P14-CAN-006		3-Major Editorial	<i>P14-Annex D</i>	<p>This Annex includes the following text which we believe needs to be corrected and/or replaced:</p> <p><i>(Invalid use of NoAdditional: Please report this to the Editor)</i></p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P14-CAN-007		3-Major Editorial	<i>P14-Annex E</i>	<p>This Annex includes the following text which we believe needs to be corrected and/or replaced:</p> <p><i>(Invalid use of NoAdditional: Please report this to the Editor)</i></p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	

Template for comments and secretariat observations

Date: 2009 April 15

Document: CD 9075-14

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
GB-01	3.1		te	In the first two sub-clauses of this clause, a number of terms are identified that have definitions in some other, specified, document. It would be more convenient for many readers if the definition were to be reproduced here, with attribution, rather than simply a pointer to a foreign document.		
GB-02	3.1.2		te	The use of the conjunction “and” in the introductory sentence causes a minor ambiguity. One interpretation, which is probably what is intended, is that the terms listed have the same definition in both referenced documents. Another is that there is a definition in one or the other of the referenced documents, but not necessarily in both. The ambiguity should be resolved.		
GB-03	3.2		ed	In the first item in the second list, and again in the first item in the third list, the word “of” appears to be omitted.	In the first case, change “a pair brackets” to “a pair of brackets”, and in the second change “a pair braces” to “a pair of braces”.	
GB-04	4.10.9		ed	The penultimate paragraph “Some of the XML ...” is duplicated in two subsequent sub-clauses. The duplication should be eliminated, possibly by simply dropping the repeats or by factoring out the statement to some higher level.		
GB-05	14		te	An XML update capability should be provided as an interface between SQL and the W3C XQuery Update Facility, which reached W3C “Candidate Recommendation” status in March 2008.		
GB-06	No specific location			It appears that ISO/IEC 19757, “RELAX NG”, is gaining acceptance among a significant number of aware users as an alternative to XMLSchema. See http://cafe.elharo.com/xml/relax-wins/ . Consideration should be given to enhancing SQL/XML to support that standard.		

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

USA Comments on ISO/IEC CD 9075-14 (SQL/XML)

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
001.	USA-P14-010		1-Major Technical	<i>P14-06.06, <XML cast specification></i>	<p>The rules of XMLCast currently do not allow to cast an XML value of type xs:dateTime or xs:time whose time zone component is the empty sequence (i.e., the value does not have a time zone associated with it) to an SQL type of TIMESTAMP WITH TIME ZONE or TIME WITH TIME ZONE. An exception is raised in these cases. Since a (reasonable) workaround is not always possible in these cases, XMLCast should be enhanced to allow these casts by treating the XML value as having an implicit time zone of UTC.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
002.	USA-P14-020		4-Minor Editorial	<i>P14-06.06, <XML cast specification></i>	<p>General Rule 4) i) iii) starts off with “If XT is xs:base64Binary, or...”. The comma should be removed for consistency with the structure of similar rules.</p> <p style="text-align: center;">Solution</p> <p>See above.</p>	See comment
003.	USA-P14-030		2-Minor Technical	<i>P14-10.16, Parsing a string as an XML value</i>	<p>GR 4) and 5) define textual XML 1.0 content and textual XML 1.1 content, respectively. The definitions of these two terms are word-for-word identical.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
004.	USA-P14-040		1-Major Technical	<i>P14-No specific location</i>	<p>All Possible Problems and Editor’s Notes must be satisfactorily resolved and all problems discovered during the course of the ballot resolution process must be satisfactorily resolved.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
005.	USA-P14-050		1-Major Technical	<i>P14-No specific location</i>	<p>Because updates that retain XQuery node identity are difficult to support in a database, and we have not encountered much interest from our users, we are opposed to any requirement to support such updates.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
006.	USA-P14-060		2-Minor Technical	<i>P14-No specific location</i>	<p>Although we have probably already covered all eventualities, XQuery Update is not a W3C Recommendation yet. This is a catch-all comment to permit any necessary changes in SQL/XML to accommodate any late changes to XQuery Update.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	

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End of paper

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