

ISO/IEC JTC 1/SC 32 N 1861

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 32N1821 CD 9075-1 Information technology - Database languages - SQL - Part 1: Framework (SQL/Framework)
SOURCE	SC32 Secretariat
PROJECT NUMBER	1.32.03.07.01.00
STATUS	WG3 is requested to resolve the comments. The document did obtain substantial support.
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ACTION ID.	ACT
REQUESTED ACTION	
DUE DATE	
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Dr. Timothy Schoechle, Secretary, ISO/IEC JTC 1/SC 32
Farance Inc *, 3066 Sixth Street, Boulder, CO, United States of America
Telephone: +1 303-443-5490; E-mail: Timothy@Schoechle.org
available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>
*Farance Inc. administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI

ISO/IEC JTC 1/SC 32 N1861

Summary of Voting on Document SC 32 N 1821

Title: Summary of Voting on 32N1821 CD 9075-1 Information technology - Database languages - SQL - Part 1: Framework (SQL/Framework)

Project: 1.32.03.07.01.00

“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”	6	1	3	0
“O” Member				
Austria				
Denmark				
France				
Italy				
Kazakhstan				
Netherlands, The				
Norway				
Russian Federation				
Switzerland				
Total “O”				

Dr. Timothy Schoechle, Secretary, ISO/IEC JTC 1/SC 32
Farance Inc *, 3066 Sixth Street, Boulder, CO, United States of America
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COMMENTS:

Canada

No. See comments attached below:

Japan

Yes. See comments attached below:

United Kingdom

No. See comments attached below:

United States

No. See comment below:

Technical

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.

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
	P01-CAN-005		3-Major Editorial	<i>P01-04.08.01, Host Languages</i>	<p>None provided with comment.</p> <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>None provided with comment.</p> <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
					<p>SQL statements can be embedded into Java programs.</p> <p>[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.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-007		3-Major Editorial	<i>P01-05.04, ISO/IEC 9075-3: Call Level Interface (SQL/CLI)1 Host Languages</i>	<p>This sub-clause describes a SQL part that is NOT part of this (third) edition.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-008		3-Major Editorial	<i>P01-05.06, ISO/IEC 9075-9: Management of External Data (SQL/MED)</i>	<p>This sub-clause describes a SQL part that is NOT part of this (third) edition.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-009		3-Major Editorial	<i>P01-05.07, ISO/IEC 9075-10: Object Language Bindings (SQL/OLB)</i>	<p>This sub-clause describes a SQL part that is NOT part of this (third) edition.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	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>	<p>This sub-clause describes a SQL part that is NOT part of this (third) edition.</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	
	P01-CAN-011		3-Major Editorial	<i>P01-06.03.05.01, New and modified Clauses, Subclauses, and Annexes</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-012		3-Major Editorial	<i>P01-06.03.05.02, New and modified tables and figures</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>	

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 style="text-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 style="text-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 style="text-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 (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>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 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 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> <pre>CLI_SPECIFIC_CONDITION_NO_SUBCLASS: constant SQLSTATE_TYPE := "HY000";</pre> <p 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 style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">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 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 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>	

Ballot comments on SC32 N 1821: ISO/IEC CD 9075-1:201x(E)

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
SQL/Framework						
	JPN-P01-001		4-Minor Editorial	6.3.3.1 <i>Syntactic containment</i>	<p>The term “contain ... with an intervening a syntax element” is defined in the 4th paragraph, which reads:</p> <p style="padding-left: 40px;"><i>A1</i> is said to contain <i>B1</i> with an intervening <C> if <i>A1</i> contains <i>B1</i> and <i>A1</i> contains an instance of <C> that contains <i>B1</i>. <i>A1</i> is said to contain <i>B1</i> without an intervening <C> if <i>A1</i> contains <i>B1</i> and <i>A1</i> does not contain an instance of <C> that contains <i>B1</i>.</p> <p>The 5th paragraph mentions, however, “an intervening an instance of syntax element”.</p> <p style="text-align: center;">Solution</p> <p>Replace the 5th paragraph with:</p> <p style="padding-left: 40px;"><i>A1</i> simply contains <i>B1</i> if <i>A1</i> contains <i>B1</i> without an intervening instance of <A> or an intervening instance of .</p>	
	JPN-P01-002		3-Major Editorial	6.3.3.1 <i>Syntactic containment</i>	<p>The term “simply contain” is defined for the instance of a syntax element in the 5th paragraph, which is quoted below, and is not defined for a syntax element itself anywhere.</p> <p style="padding-left: 40px;"><i>A1</i> simply contains <i>B1</i> if <i>A1</i> contains <i>B1</i> without an intervening instance of <A> or an intervening instance of .</p> <p>In the second sentence of the 7th paragraph, however, “simply contain” appears in terms of syntax elements as follows:</p> <p style="padding-left: 40px;">If <A> simply contains , then is said to be <i>simply contained in</i> <A> and <A> is said to be a <i>simply containing</i> production symbol for .</p> <p style="text-align: center;">Solution</p> <p>None provided with comment.</p>	

Template for comments and secretariat observations

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 comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
GB-01	3.1.1		ed	<p>Clause D.3.2 of Part 2 of the ISO/IEC Directives prescribes for the layout of definitions that:</p> <p>The preferred term (set in bold type in the printed publication) shall be placed on a new line, after its reference number, starting with a lower case letter except for any capital letters required by the normal written form in running text. The definition shall be placed on a new line, starting with a lower case letter, except for any capital letters required by the normal written form in running text, and shall not be followed by a full-stop.</p> <p>This and other rules and examples require or imply that the definition is a sentence fragment that could in principle be substituted in text for the subject of the definition, and that any further information is given only in the form of examples or notes. The layout of definitions in this and other parts of the SQL standard does not follow these requirements.</p>	Modify the layout of the Definitions in this and other parts of CD 9075.	
GB-02	3.1.121		ed	The structure and layout of the definition are not consistent with the ISO/IEC directives.	<p>Change the definition to the following:</p> <p>3.1.1.12 object (as in 'x object') a thing that is a component of, or is otherwise associated with, some x and cannot exist independently of that x.</p> <p>For example, an SQL object is an object that exists solely in the context of SQL; an SQL-schema object is an object that exists in some SQL-schema.</p>	
GB-03	4.3		te	The description does not make it clear that a table is a two-dimensional object, and that columns and rows characterize the two dimensions.		

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.

Template for comments and secretariat observations

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 comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
GB-04	4.3		te	The description of tables provided here, the definition of table in 3.1.1.27 and the description in 4.14.1 in part 2 are not completely consistent. They say similar but not identical things in places where the specifications could be identical. It is not obvious that we need to say the same things three times.		
GB05	4.3		te	Part 1 contains no description of the concept of System Version Table		
GB-06	6.3.3.1		te	It is not obvious that the concept of <i>general containment</i> is applicable to the external programs that are bodies of SQL-invoked routines. In the other relationships mentioned in the definition of general containment, the contained object can be thought of as being included in some way in an expansion of the containing element. Routine bodies do not fall easily into this model. Rules relating to SQL-invoked routines elsewhere in the document do not seem to make use of general containment, and in some cases may be written so as to avoid a use of the concept. It would therefore be reasonable to remove routine invocations from general containment.		
GB-07	6.3.3.1		te	The definition of general containment uses the term "routine body" in a context where other comparable references are to syntactic non-terminals. A search of SQL/Framework and SQL/Foundation does not show a definition of "routine body". However, <routine body> is defined (and appears to be used interchangeably with the undefined "routine body").		

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