

# /IEC JTC 1/SC 32 N 1863

Date: 2009-04-23

REPLACES: —

<p style="text-align: center;"><b>ISO/IEC JTC 1/SC 32</b></p> <p style="text-align: center;"><b>Data Management and Interchange</b></p> <p style="text-align: center;"><b>Secretariat: United States of America (ANSI)</b> <b>Administered by Farance Inc. on behalf of ANSI</b></p>
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<b>DOCUMENT TYPE</b>	Summary of Voting/Table of Replies
<b>TITLE</b>	Summary of Voting on 32N1823 CD 9075-4 Information technology - Database languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM)
<b>SOURCE</b>	SC32 Secretariat
<b>PROJECT NUMBER</b>	1.32.03.07.04.00
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<b>REQUESTED ACTION</b>	
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## ISO/IEC JTC 1/SC 32 N1863

### Summary of Voting on Document SC 32 N 1823

**Title:** Summary of Voting on 32N1823 CD 9075-4 Information technology - Database languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM)

Project: 1.32.03.07.04.00

<b>“P” Member</b>	<b>Approval</b>	<b>Approval with Comments</b>	<b>Disapproval with Comments</b>	<b>Abstention with Comments</b>
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	
<b>Total “P”</b>	<b>7</b>	<b>0</b>	<b>3</b>	<b>0</b>
<b>“O” Member</b>				
Austria				
Denmark				
France				
Italy				
Kazakhstan				
Netherlands, The				
Norway				
Russian Federation				
Switzerland				
<b>Total “O”</b>				

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**COMMENTS:**

**Canada**

No. See comments attached below:

**China**

Yes. 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
<b>CD SQL/Framework</b>						
	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;"><b>Solution</b></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"> <li>— Part 1: Framework (SQL/Framework)</li> <li>— Part 2: Foundation (SQL/Foundation)</li> <li>— Part 3: Call-Level Interface (SQL/CLI)</li> <li>— Part 4: Persistent Stored Modules (SQL/PSM)</li> <li>— Part 9: Management of External Data (SQL/MED)</li> <li>— Part 10: Object Language Bindings (SQL/OLB)</li> <li>— Part 11: Information and Definition Schema (SQL/Schemata)</li> <li>— Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT)</li> <li>— Part 14: XML-Related Specifications (SQL/XML)</li> </ul> <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;"><b>Solution</b></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 &amp; Types Using the Java™ Programming Language (SQL/JRT)</i></p> <p style="text-align: center;"><b>Solution</b></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 <b>or SQL/CLI</b>, this may a default SQL-client module whose existence is not apparent to the user.</p> <p style="text-align: center;"><b>Solution</b></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 <b>ISO/IEC 14561</b> 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;"><b>Solution</b></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"> <li>- 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.</li> </ul> <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;"><b>Solution</b></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
					<p>SQL statements can be embedded into Java programs.</p> <p>[ISO9075-13], Routines &amp; 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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></p> <p>None provided with comment.</p>	
	P01-CAN-010		3-Major Editorial	<i>P01-05.09, ISO/IEC 9075-13: Java Routines &amp; 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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></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 "&gt;" character that should be removed:</p> <p>— Feature S051, "Create "&gt;</p> <p style="text-align: center;"><b>Solution</b></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;"><b>Solution</b></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"><b>Solution</b></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"><b>Solution</b></p> <p>None provided with comment.</p>	
<b>CD SQL/Foundation</b>						
	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"><b>Solution</b></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"> <li>— Part 1: Framework (SQL/Framework)</li> <li>— Part 2: Foundation (SQL/Foundation)</li> <li>— Part 3: Call-Level Interface (SQL/CLI)</li> <li>— Part 4: Persistent Stored Modules (SQL/PSM)</li> <li>— Part 9: Management of External Data (SQL/MED)</li> <li>— Part 10: Object Language Bindings (SQL/OLB)</li> <li>— Part 11: Information and Definition Schema (SQL/Schemata)</li> <li>— Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT)</li> <li>— Part 14: XML-Related Specifications (SQL/XML)</li> </ul> <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>	

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					<p>other parts as well.</p> <p style="text-align: center;"><b>Solution</b></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 align="center"><b>Solution</b></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><sup>09 14</sup> SQL defines predefined data types named by the following &lt;key word&gt;s:</p> <p>The leading text “<sup>09 14</sup>” 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"><b>Solution</b></p> <p>None provided with comment.</p>	
	P02-CAN-004		2-Minor Technical	<i>P02-13.04, Calls to an &lt;externally-invoked procedure&gt;</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:  <b>constant</b> SQLSTATE_TYPE := "HY000";</p> <p align="center"><b>Solution</b></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) <b>Subclause 10.4, “&lt;routine invocation&gt;”:</b>  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 &lt;externally-invoked procedure&gt;”, are appropriate, but they are not referenced by the rules of Subclause 10.4, “&lt;routine invocation&gt;”.</p> <p>2) <b>Subclause 21.1, “&lt;embedded SQL host program&gt;”:</b></p>	

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					<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><b>Solution</b></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 &amp; Types Using the Java™ Programming Language (SQL/JRT)</i></p> <p><b>Solution</b></p> <p>None provided with comment.</p>	
<b>CD SQL/PSM</b>						
	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><b>Solution</b></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"> <li>— Part 1: Framework (SQL/Framework)</li> <li>— Part 2: Foundation (SQL/Foundation)</li> <li>— Part 3: Call-Level Interface (SQL/CLI)</li> <li>— Part 4: Persistent Stored Modules (SQL/PSM)</li> <li>— Part 9: Management of External Data (SQL/MED)</li> <li>— Part 10: Object Language Bindings (SQL/OLB)</li> <li>— Part 11: Information and Definition Schema (SQL/Schemata)</li> <li>— Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT)</li> <li>— Part 14: XML-Related Specifications (SQL/XML)</li> </ul> <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;"><b>Solution</b></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 <b>cluase</b> of the VIEW definition with:</p> <p style="text-align: center;"><b>Solution</b></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) <b>Subclause 10.3, “&lt;revoke statement&gt;”</b></p> <p>This subclause extends Subclause 12.7, “&lt;revoke statement&gt;”, in [ISO9075-2], but fails to make any extension to GR 19) of that Subclause to take into account the fact that the &lt;triggered action&gt; of a trigger might be an SQL-control statement that includes (for example) a &lt;scalar subquery&gt; that references some schema object. Thus, the Syntax and General Rules of an SQL-procedure statement that would cause</p>	

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					<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;"><b>Solution</b></p> <p>None provided with comment.</p>	
<b>CD SQL/Schemata</b>						
	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;"><b>Solution</b></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"> <li>— Part 1: Framework (SQL/Framework)</li> <li>— Part 2: Foundation (SQL/Foundation)</li> <li>— Part 3: Call-Level Interface (SQL/CLI)</li> <li>— Part 4: Persistent Stored Modules (SQL/PSM)</li> <li>— Part 9: Management of External Data (SQL/MED)</li> <li>— Part 10: Object Language Bindings (SQL/OLB)</li> <li>— Part 11: Information and Definition Schema (SQL/Schemata)</li> <li>— Part 13: SQL Routines and Types Using the Java™ Programming Language (SQL/JRT)</li> <li>— Part 14: XML-Related Specifications (SQL/XML)</li> </ul> <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;"><b>Solution</b></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;"><b>Solution</b></p> <p>None provided with comment.</p>	
<b>CD SQL/XML</b>						
	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;"><b>Solution</b></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"> <li>— Part 1: Framework (SQL/Framework)</li> <li>— Part 2: Foundation (SQL/Foundation)</li> <li>— Part 3: Call-Level Interface (SQL/CLI)</li> <li>— Part 4: Persistent Stored Modules (SQL/PSM)</li> <li>— Part 9: Management of External Data (SQL/MED)</li> </ul>	

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;"><b>Solution</b></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  <a href="http://www.w3.org/TR/2006/REC-xml-names-20060816">http://www.w3.org/TR/2006/REC-xml-names-20060816</a></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  <a href="http://www.w3.org/TR/2006/REC-xml-names-20060816">http://www.w3.org/TR/2006/REC-xml-names-20060816</a></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><a href="http://www.w3.org/TR/2006/REC-xml-names11-20060816">http://www.w3.org/TR/2006/REC-xml-names11-20060816</a>.</p> <p style="text-align: center;"><b>Solution</b></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><a href="http://www.w3.org/TR/xquery-update-10/">http://www.w3.org/TR/xquery-update-10/</a></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;"><b>Solution</b></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><b>3.1.3.8 URI:</b> 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;"><b>Solution</b></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;"><b>Solution</b></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;"><b>Solution</b></p> <p>None provided with comment.</p>	

## Template for comments and secretariat observations

Date: 2009-03-25

Document: ISO/JTC 1/SC 32 N 1823

1	2	(3)	4	5	(6)	(7)
<b>MB<sup>1</sup></b>	<b>Clause No./ Subclause No./ Annex</b> (e.g. 3.1)	<b>Paragraph/ Figure/Table/ Note</b> (e.g. Table 1)	<b>Type of com- ment<sup>2</sup></b>	<b>Comment (justification for change) by the MB</b>	<b>Proposed change by the MB</b>	<b>Secretariat observations on each comment submitted</b>
CN	Annex E	The first item and second item in the third paragraph.	ed	The name of the standard was wrong.	Propose to replace ISO/IEC 9075-11:2008 with ISO/IEC 9075-4:2008	

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

Date: 2009 April 15

Document: CD 9075-4

1	2	(3)	4	5	(6)	(7)
MB <sup>1</sup>	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment <sup>2</sup>	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
GB-01	14.2		te	The rules controlling condition handler scoping and “most appropriate handler” determination do not seem to prevent a condition handler that fails from becoming the “most appropriate handler” for some otherwise unhandled error condition that occurs during execution of the handler itself (a recursive loop in other words). General Rule 3)b)i)3)A)II), which effectively performs a RESIGNAL, as well as other rules, are the source of this concern.		
GB-02	16.1		te	Syntax Rule 1 appears to assume that an <SQL variable declaration> contains only a single declaration of a variable name. However, the syntax of subclause 14.4 shows that it contains a list of variable names (all with the same data type). The Syntax Rule or the (remote) format should be modified to be consistent.		
GB-03	16.1		te	Syntax Rule 2 is more restrictive than the similar Syntax Rule 16 in subclause 21.1, <embedded SQL host program> in SQL/Foundation.		

<sup>1</sup> **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 \*\*)

<sup>2</sup> **Type of comment:** **ge** = general **te** = technical **ed** = editorial

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

## USA Comments on ISO/IEC CD 9075-4 (SQL/PSM)

SEQ #	Cmnt ID	See Also	Severity	Reference	Description	Addressed By
001.	USA-P04-010		2-Minor Technical	<i>P04-17.03, &lt;resignal statement&gt;</i>	We believe SQL/PSM will need clarification of terms and order of rules for RESIGNAL, if not now then in a later TC.  <b>Solution</b>  None provided with comment.	
002.	USA-P04-020		1-Major Technical	<i>P01-No specific location</i>	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.  <b>Solution</b>  None provided with comment.	

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End of paper  
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