ISO/IEC JTC 1/SC 32 N 1331

Date: 2005-06-23

REPLACES: --

ISO/IEC JTC 1/SC 32

Data Management and Interchange

Secretariat: United States of America (ANSI)
Administered by Farance Inc. on behalf of ANSI

DOCUMENT TYPE	Other Document (Open)
TITLE	ISO/IEC JTC 1/SC 32 Program of Work Revisions
SOURCE	SC 32 Secretary
PROJECT NUMBER	
STATUS	ISO/IEC JTC 1/SC 32 Requests that ISO/IEC JTC 1 approve the following adjustments in the SC 32 Program of work that were approved by SC 32 at its Berlin 2005 Meeting (32N1273)
REFERENCES	
ACTION ID.	ACT
REQUESTED ACTION	
DUE DATE	
Number of Pages	4
LANGUAGE USED	English
DISTRIBUTION	P & L Members SC Chair WG Conveners and Secretaries

Douglas Mann, Secretary, ISO/IEC JTC 1/SC 32
Farance Inc *, 360 Pelissier Lake Road, Marquette, MI 49855-9678, United States of America
Telephone: +1 906-249-9275; E-mail: MannD@battelle.org
available from the JTC 1/SC 32 WebSite http://jtc1sc32.org/
*Farance Inc. administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI

ISO/IEC JTC 1/SC 32 Program of Work Revisions

ISO/IEC JTC 1/SC 32 Requests that ISO/IEC JTC 1 approve the following adjustments in the SC 32 Program of work that were approved by SC 32 at its Berlin 2005 Meeting (32N1273)

Project Subdivisions - Approved in Resolution 5

ITEM 1: Project Split

Project Number	Title	Project Editor	Rationale Doc #
1.32.03.07.14.00	ISO/IEC FDIS 9075-14	SQL/XML	32N1299

Rationale:

Because of market demand for additional capabilities, WG 3 immediately started revision of SQL/XML, part 14, based on SQL:2003. This revision is expected to be complete in the last half of 2005.

In the mean time, WG 3 started on a revision of the other eight SQL parts. This revision has just completed an initial CD ballot and is undergoing editing.

We now need to harmonize SQL/XML with the enhancements in the other SQL parts and we anticipate additional expansion of SQL/XML to encompass developing market demands. In particular, the W3C has published a second public review of XQuery Full Text and a public working draft of the XQuery Update language requirements. Both areas will require additional support within SQL/XML.

Recognizing these circumstances, the USA requests SC32 to authorize a subdivision of existing projects to allow continued development of SQL/XML Part 14 in anticipation of yet another edition of the standard.

SC 32 instructs its Secretariat to forward these subdivisions to JTC 1 for endorsement upon receipt of the rationale texts.

ITEM 2: : Project Split

Project Number	Title	Project Editor	Rationale Doc #
1.32.04.03.07.00	SQL Multimedia and Application Packages – Part 7: History	Kohji Shibano Tomoyuki Kajino	32N1305

Rationale:

1. Business Relevance

There are many business information systems which not only store current values of data but also are required to track the changes to that data.. Examples of such database applications are as follows.

— Personnel information on employee records such as the changes of title, salary, and affiliation section.

— Medical information on patient records such as diagnostic history.

— Auditing records for compliance purposes.

These situations are common across a wide range of business applications. There is a need for a standard approach that can enable the development of software to support the automatic recording of such changes to data.

2. Purpose of SQL/MM History

The purpose of SQL/MM History is to provide routines and user-defined types able to record changes to existing base tables in an SQL database. These routines and user-defined types can also retrieve the contents of a table as recorded at any past time.

It is intended that these routines and user-defined types can be used without affecting existing base tables and their related application programs.

3. Overview of SQL History Routines and User-defined Types

Figure 1 below depicts a model of the usage of the routines and user-defined types of the proposed standard. It does not prescribe a particular method of how the routines and user-defined types are to be implemented.

In the lower SQL layer, existing application programs make changes to a database table. When history data is required for this table, a history processing application creates a history table through a procedure provided in the SQL/MM History layer. When the existing application in the SQL layer executes Insert, Update or Delete operation, then Insert/Update/Delete triggers provided by SQL/MM History layer insert history rows into the history table. The history processing application can execute a function invocation to retrieve from the history table.

Project Withdrawal - Approved in Resolution 6

ITEM 1: Project Withdrawal

Project Number	Title	Rationale Doc #
1.32.03.04.05.00	ISO/IEC 9075-5:1999 (E) Database Language SQL—Part 5: Host Language Bindings (SQL/Bindings)	32N1084

Rationale:

This was requested last year but was not realized by ITTF.

ITEM 2: Project Withdrawals

Project Number	Title	Rationale Doc #
1.32.04.03.02.00	SQL Multimedia and Application Packages – Part 2: Full-Text 3rd ed	32N1307
1.32.04.03.05.00	SQL Multimedia and Application Packages - Part 5: Still Image 3rd ed.	32N1307

Rationale:

At the 2004 X'ian SC 32 Plenary meeting, project editor of Part 2: Full Text and Part 5: Still Image resigned. Therefore, these parts could not progress to CD and WG 4 convener took a tentative responsibility as project editor for these parts.

However, there was almost no technical contribution to these parts for more than two years.