

ISO/IEC JTC 1/SC 32 N 0554

Date: 2000-10-12

REPLACES: --

<p>ISO/IEC JTC 1/SC 32</p> <p>Data Management and Interchange</p> <p>Secretariat: United States of America (ANSI)</p> <p>Administered by Pacific Northwest National Laboratory on behalf of ANSI</p>
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DOCUMENT TYPE	Resolutions
TITLE	Meeting Resolutions for the SC 32/WG 3 Meeting in Helsinki 2000-10
SOURCE	WG 3 Convener
PROJECT NUMBER	
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Douglas Mann, Secretariat, ISO/IEC JTC 1/SC 32

Pacific Northwest National Laboratory *, 901 D Street, SW., Suite 900, Washington, DC, 20024-2115,
United States of America

Telephone: +1 703 575 2114; Facsimile; +1 703671 9180; E-mail: MannD@battelle.org

available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>

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ISO/IEC JTC 1/SC32N0554
ISO/IEC JTC 1/SC 32/WG 03 N0042

Date: 2000-10-12

ISO/IEC JTC 1/SC 32/WG 03

Data Management and Interchange
Working Group 03
Database Languages

DOCUMENT TYPE	Resolutions
TITLE	JTC 1/SC 32/ WG 03 Plenary Resolutions, 2000-10-12, Helsinki, Finland
SOURCE	SC 32/WG 03 Convener
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JTC 1/SC 32/WG 03 Resolutions,
2000-10-12,
Helsinki, Finland

Resolution WG 03 / 1: SC 32/WG 03 Programme of Work and Project Editor Assignments

SC 32/WG 03 approves the Programme of Work, Target Dates and Project Editor Assignments contained in SC 32/WG 03 N0039.

Resolution WG 03 / 2: SC 32/WG 03 Liaison Assignments

SC 32/WG 03 approves the liaison assignments contained in SC 32/WG 03 N0040 and N0041.

Resolution WG 03 / 3: SC 32/WG 2 Approval of "C" Liaisons

Upon receipt of texts, SC 32/WG 03 requests its SC 32 Secretariat to forward these Expected Benefits and Responsibilities documents to JTC 1 for approval.

Liaison Organization	WG	SC 32/WG Person	Topics and Notes	Doc #
	03			

Resolution WG 03 / 4: SC 32/WG 03 Meeting Calendar

SC 32/WG 03 approves the following Meeting Calendar

From	To	Meeting/Purpose	Location
2001-03-26	2001-03-30	Progress SQL/JRT WD to FCD, and to approve the registration of WD for SQL/XML	Electronic
2001-04-30	2001-05-11	SC 32/WG 03 Meeting / Progress Working Drafts	Perth, Australia
2001-04-30	2001-05-11	CD Editing Meeting for SQL/200n (parts 1, 2, 3, 4, 9, 10, 11)	Perth, Australia
2001-10-15	2001-10-26	SC 32 Plenary meeting	Victoria, BC, Canada

Note: Line 1) Normal Face –to-face meeting rules will apply regarding submission of papers.

Resolution WG 03 / 5: SC 32/WG 03 Project Subdivisions

SC 32/WG 03 approves the following subdivisions and minor enhancements to existing work:

Project Number	Title	Project Editor	Rationale Doc #
03.05.13.00.00	Routines and Types Using the Java™ Programming Language (SQL/JRT)"	Jim Melton	32N00509
03.05.14.00.00	XML- Related Specifications (SQL/XML)	Jim Melton	32N00536

Rationale Summary:

- 1) The great popularity of Java as a programming language for many environments, not the least of which are the Internet and the World-Wide Web, ensured that techniques would be developed for using SQL as the principle data sublanguage used in Java programs. In fact, a number of such techniques have emerged, one of which (embedding SQL statements in Java programs) has been standardized in [OLB]. There are tremendous benefits to be had by using (“re- en more appropriate) Java code, originally developed for use outside the database environment, in the database context — for example, invoking Java routines from SQL statements to guarantee identical semantics with routines invoked from Java code. There are possibly greater benefits available from the use of Java classes as the data types of columns in SQL tables; seamless exchange of data between the database and external environments can completely eliminate the famous “impedance mismatch” that plagues application developers who require tight integration of their database systems and their application programs.
- 2) In recent years, the success of the World-Wide Web has led to requirements for better management of data that does not lend itself as well to relational structures and operations than SQL has traditionally offered. [XML] has become one of the most important new technologies for representing much data on the Web. The World-Wide Web Consortium (W3C) has established formal processes for developing Recommendations — *de facto* standards — based on XML and related technologies. [XML-schema/primer], [XML-schema/struct], and [XML-schema/types] are the most recent public W3C documents directed at defining XML language with strong data typing. [XML-QDM] and [XML-QR] are the most recent public W3C documents associated with the work in progress to develop an XML query capability. In short, XML represents nothing short of a paradigm shift in data communications and management; like every paradigm shift, this one has the potential to greatly enhance the businesses that depend on data management and communications, as well as the ability to marginalize existing business segments and open new opportunities for new players. One of the most intriguing and urgent requirements to arise from the appearance of XML is a well-defined relationship between XML and SQL. Vast quantities of business data are currently stored in SQL database systems and great demand exists for the ability to present that data in XML form to various client applications. By contrast, increasing amounts of less-traditional data (“documents”) are being produced in XML formats and there is tremendous pressure to allow that data to be queried concurrently with traditional (“object-relational”) data. In addition, the growing need to allow disparate systems to exchange data has caused significant attention to be paid to the use of XML as a “canonical data format” between such systems (e.g., on the Web). In short, business, industry, and society will find ways to use XML and SQL together. Standards in this area will eventually emerge, but a focussed effort to develop such standards will have significant benefits for all parties involved. The W3C is appropriately focussing on XML-centered standards, including a Schema facility and a Query facility. It is correspondingly appropriate for the SQL standards world to address the relationship between XML and SQL, preferably in cooperation with the W3C and not in competition with it.

SC 32/WG 03 instructs its Convener to forward these subdivisions to SC 32 for endorsement.

Resolution WG 03 / 6: SC 32/WG 03 Project Withdrawals

SC 32/WG 03 approves the following withdrawals from existing work:

Project Number	Title	Rationale Doc #

Rationale Summary:

Upon receipt of texts, SC 32/WG 03 instructs its Convener to forward these withdrawals to SC 32 for endorsement.

Resolution WG 03 / 7: New Projects

SC 32/WG 03 approves the following:

Title	NWI Doc #

Upon receipt of texts, SC 32 WG 03 recommends that SC 32 submit to JTC 1 the referenced Proposals for New Work Items:

Resolution WG 03 / 8: Study Period

SC 32 WG 03 recommends that SC 32 submit to JTC 1 the following Proposals for Study Period upon receipt of texts,

Title	Study Period Doc #

Resolution WG 03 / 9: Standards Due for Periodic Review

SC 32/WG 03 approves the following:

Project Number	Title	Recommendation

SC 32/WG 03 instructs its Convener to inform SC 32 of the above recommendations.

Resolution WG 03 / 10: Committee Draft (CD) Ballots (CD, PDAM, PDISP, PDTR)

Upon receipt of texts, SC 32/WG 03 requests its SC 32 Secretariat to register as CDs, PDAMs,

PDISPs, PDTRs and issue letter ballots on the following projects:

Project Number	CD	Title	Date Expected
03.05.01.00.00	ISO/IEC CD 9075-1	Framework (SQL/Framework)	2000-12-01
03.05.02.00.00	ISO/IEC CD 9075-2	Foundation (SQL/Foundation)	2000-12-01
03.05.03.00.00	ISO/IEC CD 9075-3	Call Level Interface (SQL/CLI)	2000-12-01
03.05.04.00.00	ISO/IEC CD 9075-4	Persistent Stored Modules (SQL/PSM)	2000-12-01
03.05.09.00.00	ISO/IEC CD 9075-9	Management of External Data (SQL/MED)	2000-12-01
03.05.10.00.00	ISO/IEC CD 9075-10	Object Language Bindings (SQL/OLB)	2000-12-01
03.05.11.00.00	ISO/IEC CD 9075-11	Schemata (SQL/Schemata)	2000-12-01

Resolution WG 03 / 11: Final Committee Draft (FCD) Ballots (FCD, FPDAM, FPDISP, FPDTR, DCOR)

Upon receipt of texts, SC 32/WG 03 requests its SC 32 Secretariat to register as FCDs, FPDAMs, PDTRs, FPDISPs, DCORs and issue letter ballots on the following projects:

Project Number	FCD	Title	Date Expected
03.05.13.00.00	ISO/IEC FCD 9075-13	Routines and Types Using the Java Programming Language (SQL/JRT)	2001-04-30
03.05.14.00.00	ISO/IEC FCD 9075-14	XML- Related Specifications (SQL/XML)	2001-07-01
03.05.99.00.00	ISO/IEC DCOR 9075	Technical Corrigenda	2001-05-11

Note: Line 1) This document will be output from the first interim WG3 meeting.

Line 2) This document is based on an expected working draft scheduled to be output from the interim meeting in Perth.

Resolution WG 03 / 12: Final Draft International Standard (FDIS) Ballots (FDIS, FDAM, DTR)

Upon receipt of texts, SC 32/WG 03 requests its SC 32 Secretariat to register as FDISs, FDAMs, DTRs and submit to ITTF for the following projects:

Project Number	FDIS	Title	Date Expected

Resolution WG 03 / 13: Registration of Working Drafts (WD)

Upon receipt of texts, SC 32/WG 03 requests its SC 32 Secretariat to register as WDs for the

following projects: [As amended in SC 32N0547]

Project Number	WD	Title	Date Expected
03.05.13.00.00	ISO/IEC WD 9075-13	Routines and Types Using the Java Programming Language (SQL/JRT)	2001-02-01
- amended - 03.05.14.00.00	- amended - ISO/IEC CD 9075-14	- amended - XML- Related Specifications (SQL/XML)	- amended - 2001-03-26

Note: This document will be produced by the authors of WG3:HEL-042, which forms the basis of the WD.

Resolution WG 03 / 14: SC32 to Request ITTF for Notification on Ballot Initiation/Completion

WG3 notes that the SC32 secretariat does not receive any notification from ITTF on initiation or completion of FDAM or FDIS ballots on documents for which SC32 is responsible. WG3 also notes that the ITTF web page on the status of these ballots is not current and contains obsolete information.

WG3 requests SC32 to transmit the following resolution to JTC1:

SC32 requests JTC1 to request ITTF to provide the responsible SC secretariat (and, if possible, the project editors) with ballot initiation and completion dates for FDAM and FDIS ballots for which the SC submitted the documents under ballot. Also, SC32 requests JTC1 to request ITTF to keep the information on their Web pages current.

Resolution WG 03 / 15: WG03's Participation in Direct Participation Trial

If and only if SC32 agrees to participation of its Working Groups in the direct participation trial, then WG3 will consider its participation, subject to National Body consent, to be determined by National Body ballot within WG3 prior to 2001-01-31.

Acclamations

Resolution WG 03 / A1: Hosting of Meetings

JTC 1/SC 32/WG 03 expresses its appreciation to its Finnish hosts for their efforts in planning and organizing the SC 32/WG 03 meeting. SC 32/WG 03 appreciates all of the hard work that they put into the meeting to make it a success.

Resolution WG 03 / A2: Appreciation to SC 32/WG 03 Convener

JTC1/SC 32/WG 03 thanks Mr. Stephen Cannan, the SC 32/WG 03 Convener, for the leadership and support he provided at the SC 32/WG 03 meetings.

Resolution WG 03 / A3: Drafting Committee Appreciation

JTC1/SC 32/WG 03 thanks its drafting committee, consisting of Mr. Baba Piprani with Mr. Hugh Darwen, for their diligent effort in developing the SC 32/WG 03 resolutions.

Resolution WG 03 / A4: Network Facilities Appreciation

JTC1/SC 32/WG 03 thanks Mr. Chuck Campbell, for his successful efforts in providing the SC 32/WG 03 meeting with local area network and printing facilities.

Final Attendance
ISO/IEC JTC 1/SC 32/WG 03 Meeting
2000-10-12
Helsinki, Finland

<u>JTC 1/SC 32/WG 03 Personnel</u>	
Stephen Cannan	Convener, JTC 1/SC 32/WG 03
National Body	Organization/Company
<u>Australia</u> Don Bartley	Australian Bureau of Statistics
<u>Austria (O)</u>	
<u>Belgium</u>	
<u>Brazil</u>	
<u>Canada</u> Mark Ashworth Baba Piprani Bill O'Connell Bob Sunday Bruce Catley	Informix Software SICOM IBM Canada Ltd. DMR GTIS, Government of Canada
<u>China</u>	
<u>Czech Republic</u>	
<u>Denmark (O)</u>	
<u>Finland</u>	
<u>France</u>	
<u>Germany</u> Friedemann Schwenkreis Rüdiger Eisele	IBM Deutschland Entwicklung GmbH Consultant
<u>Italy</u>	
<u>Japan</u> Masashi Tsuchida Takashi Kotera	Hitachi Ltd. Hitachi Ltd.

<u>Korea, Republic of</u> Choi, Young-Jin Park, Sung-Gong	
<u>Netherlands</u> Stephen Cannan	Headstrong
<u>Norway</u> Ole Jørgen Andfindsen	Telenor AS
<u>Russian Federation (O)</u>	
<u>Sweden (O)</u> Åke Persson	Mimer Information Technology AB
<u>United Kingdom</u> Hugh Darwen Mark Greaves	IBM United Kingdom Ltd. Oracle Corporation
<u>United States</u> Jim Melton Fred Zemke Krishna Kulkarni Chuck Campbell Don Deutsch Keith Hare Sheila Cheng Vinita Subramanian Mike Gorman Andrew Eisenberg Paul Scarponcini	Oracle Corporation Oracle Corporation IBM Corporation Informix Software, Inc. Oracle Corporation JCC Consulting Pervasive Compaq Whitemarsh Progress Bentley Transportation Systems

Liaison

Liaison Body	Organization/Company

Other Attendees

Person	Organization/Company

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