

ISO/IEC JTC 1/SC 32 N 0916

Date: 2002-12-10

REPLACES: --

<p style="text-align: center;">ISO/IEC JTC 1/SC 32</p> <p style="text-align: center;">Data Management and Interchange</p> <p style="text-align: center;">Secretariat: United States of America (ANSI)</p> <p style="text-align: center;">Administered by Pacific Northwest National Laboratory on behalf of ANSI</p>
--

DOCUMENT TYPE	Secretariat Report
TITLE	Part 2 SC 32 Secretariat Report
SOURCE	SC 32 Secretariat
PROJECT NUMBER	
STATUS	This is for the Santa Fe SC 32 meeting. Part 1 is the Business Plan 32N0880
REFERENCES	
ACTION ID.	FYI
REQUESTED ACTION	
DUE DATE	
Number of Pages	34
LANGUAGE USED	English
DISTRIBUTION	P & L Members SC Chair WG Conveners and Secretaries

Douglas Mann, Secretariat, ISO/IEC JTC 1/SC 32

Pacific Northwest National Laboratory *, 13600 Angelica Court, Chantilly, VA, 20151-3360,
United States of America

Telephone: +1 202-566-2126; Facsimile: +1 202-566-1639; E-mail: MannD@battelle.org

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

*Pacific Northwest National Laboratory (PNL) administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI

Part 2 SC 32 Secretariat Report

2.1 P- and O-members and liaisons with other international organizations;

P - Participating National Body

O - Observer National Body

P

Category / National Body	Organization	Web Link
Australia	SAA	www.standards.com.au
Belgium	IBN	www.ibn.be
Brazil	ABNT	www.abnt.org.br
Canada	SCC	www.scc.ca
China	SAC	www.sac.gov.cn
Czech Republic	COSMT	www.csni.cz
Egypt	EOS	
Finland	SFS	www.sfs.fi
France	AFNOR	www.afnor.fr
Germany	DIN	www.din.de
Italy	UNI	www.uninfo.polito.it
Japan	JISC	www.aist.go.jp/jisc/htm/jisc00.htm www.jisc.org/
Korea, Republic of	KNITQ	www.nitq.go.kr
Netherlands, The	NNI	www.nni.nl
Norway	NSF	www.standard.no www.nts.no/it
Sweden	ITS	www.sis.se
United Kingdom	BSI	http://www.bsi-global.com
USA	ANSI	www.ansi.org

O

Category / National Body	Organization	Web Link
Austria	ASI	www.on-norm.at
Denmark	DS	www.ds.dk
Russian Federation	GOST R	www.gost.ru
Switzerland	SNV	www.snv.ch

JTC 1/SC 32 Internal Liaisons

ISO/IEC or CEN	Organization	Topic	Date Confirmed
Liaison from SC 32	Liaison to SC 32	E-Mail	
CEN/ISSS EC	Information Society Standardization System Luc Van den Berghe	Electronic Commerce luc.vandenbergh@cenorm.be	1998-10-15

CEN/ISSS MM	Information Society Standardization System Luc Van den Berghe	Metadata for Multimedia	1998-10-15 luc.vandenberghe@cenorm.be
CEN/TC 310 AMT	Advanced Manufacturing Technologies Paul Leadbeater	Data	paul_leadbeater@bsi.org.uk
IEC 93	Design Automation Greg Ledenbach		greg.w ledenbach@intel.com
ISO/IEC JTC 1/SC 2	Coded character sets Kohji Shibano (WG4)	Coded character sets	1998-10-16 kimura@itscj.ipsj.or.jp
ISO/IEC JTC 1/SC 6	Telecommunications and information exchange between systems Jean Shildneck	ASN.1	jshildne@ansi.org
ISO/IEC JTC 1/SC 7	Systems Engineering -ODP & Modelling Languages Mike Newton	ODP & Modelling Languages	jberube@ibm.net
ISO/IEC JTC 1/SC 7/W	Software engineering/Life cycle management Jean Berube	Data definition and representation	
ISO/IEC JTC 1/SC 22	Programming languages Frank Farance (WG2)		1998-10-15 isak@image.dk
ISO/IEC JTC 1/SC 22/	Programming languages/Internationalization Jim Melton (WG3)	Internationalization	1998-10-15 arnold.winkler@unisys.com
ISO/IEC JTC 1/SC 24	Computer Graphics and Image Processing Open (WG4)		Mr Carlson
ISO/IEC JTC 1/SC 25/	Home Electronic Systems Frank Farance (WG2)	Liaison is being justified and requested	
ISO/IEC JTC 1/SC 27	IT Security Techniques Bruce Catley (WG5)	IT Security Techniques	passia@ni.din.de
ISO/IEC JTC 1/SC 29	Coding of audio, picture, multimedia and hypermedia information Jutta Kreyss (WG4)		1999-10-21 ogura@itscj.ipsj.or.jp

ISO/IEC JTC 1/SC 31	Automatic identification and data capture techniques		1999-01-21
	Sandra K. Paul (WG1)	Maria Schneider	mschneider@mail.uc-council.org
ISO/IEC JTC 1/SC 34	Document Description and Processing Languages		SGML
	Jim Melton (WG3)		masonjd@ornl.gov
ISO/IEC JTC 1/SC 35	User Interfaces		interfaces between users and system 2001-01-03
	Jake Knoppers (WG1) Jake Knoppers (WG2)	Jake Knoppers	France.lafargue@email.afnor.fr
ISO/IEC JTC 1/SC 36	Information Technology for Learning, Education & Training		Learning technology & Registry
	Frank Farance (WG2)	Frank Farance	
ISO/TC 12	Quantities, units, symbols, conversion factors		
			anders.j.thor@stg.se
ISO/TC 37	Terminology (principles and coordination)		
	Jake Knoppers (WG1) Jake Knoppers (WG2)	Mrs C Galinski, ON Austria Harvard Hjulstad (NO)	cgalinski@infoterm.org
ISO/TC 37/SC 2	Terminology and other language resources - Terminography and Lexicography		2001-10-15
	(WG2)	Helen Hutcheson Johanne Marquis	Helen.Hutcheson@PWGSC.GC.CA
ISO/TC 37/SC 3	Terminology/Computer Applications		
		Mr. Gotfried Herzog, DIN German	Herzog@NABD.DIN.DE
ISO/TC 46	Information and documentation		1998-10-30
	Jake Knoppers (WG1)	Marie-Martine Guillabert AFNOR	marie-martine.guillabert@afnor.fr
ISO/TC 46/SC 3	Information and documentation/ Terminology		1998-10-30
			isiri.infoc@neda.net
ISO/TC 46/SC 4	Information and documentation/Computer applications		
		Pat Harris (NISO)	pharris@cni.org
ISO/TC 46/SC 11	Archives / Records Management		
	Frank Farance (WG2) Jake Knoppers (WG1)		

ISO/TC 46/WG 2	Information and documentation/Coding of country names and related entities	Documents received thru TC 46	1998-10-30
	Jake Knoppers (WG1) Jake Knoppers (WG2)		
ISO/TC 68	Banking, securities and other financial services		
	Jake Knoppers (WG1)	cfuller@aba.com	
ISO/TC 68/SC 2	Banking, securities and other financial services/ Security management		
		cfuller@aba.com	
ISO/TC 154	Documents and data elements in administration, commerce and industry	Basic Semantic Repository	
		Hennig@NBUE.DIN.DE	
ISO/TC 184	Industrial automation systems and integration		
	Mrs. Christine Hermetet-Filez, AFNOR France	Christine.hermetet-filez@email.afnor.fr	
ISO/TC 184/SC 4	Industrial automation systems and integration/ Industrial data		
	Mrs. Christine Hermetet-Filez, AFNOR France	sc4sec@cme.nist.gov	
ISO/TC 204	Transport Information and Control Systems	Transportation, Spatial, & Registry	1998-10-15
	Andy Schoka (WG2) Paul Scarponcini (WG4)	arlan@sae.org / jbrandt@sae.org	
ISO/TC 211	Geographic information/Geomatics	Geographic Information	19981016
	Martin Ford (WG2) Martin Ford (WG4) Jake Knoppers (WG1) Jake Knoppers (WG2) Shojiro Tanaka (WG4)	John Herring Yves Hudon bjs@nts.no / jrherrin@us.oracle.com	
ISO/TC 215	Healthcare Informatics	Healthcare Informatics	
	Joe Christensen (WG2) Christopher Sedlacek	csedlace@astm.org	

JTC1/SC 32 External Liaisons

Organization		Topic	Date Confirmed
Liaison from SC 32	Liaison to SC 32	E-mail	
Category : A			
Liaisons			

INTELSAT	International Telecommunications Satellite Organization		19981026
		Tokuo Oishi Colin Amor	colin.amor@intelsat.int
ISBT (WG2)	International Society of Blood Transfusion		
ITU-T	International Telecommunication Union - Telecommunication Standardization Sector		Conceptual Schema Modelling
	Wolfgang Wolleber		tsbedh@itu.int
SITA	Societe Internationale de Telecommunications Aeronautiques (Airline Telecommunications & Information)		
UN/ECE/CEFACT	UN/Economic Commission for Europe/CEFACT		
	Paul Levine (WG1)	Klaus-Dieter Naujok	
UNCTAD	United Nations Conference of Trade and Development		
Category : B	Liaisons		
CEPT	European Conference of Postal and Telecommunications Administrations		
CERN	European Organization for Nuclear Research		
CISAC	International Confederation of Societies of Authors and Composers		19981202
		Dominique Yon	Cisac@cisac.org
ECMA	An International Europe-based Industry Association for Standardizing Information and Communications		
ESA	European Space Agency		

ETDE	Energy Technology Data Exchange		Debbie_cutler@ccmail.osti.gov
EWICS	European Workshop on Industrial Computer Systems		
IFIP	International Federation for Information Processing		www.ifip.or.at
IPTC	International Press Telecommunications Council		
SWIFT	Society for Worldwide Interbank Financial Telecommunication	19981130	
	Jacques Littré		jacques.littre@swift.com
UNESA	UN-Under-Secretary for Economic and Social Affairs		
UPU	Universal Postal Union		
WIPO	World Intellectual Property Organization		
WMO	World Metrological Organization	19981210	

Category : C

Liaisons

DCMI	Dublin Core Metadata Initiative		Preparing justification and request
	Frank Farance (WG2)		
Eurostat	Eurostat	Statistical metadata	2002-01
	Dan Gillman (WG2)	Mr. Marco PELLEGRINO	Marco.Pellegrino@cec.eu.int
IEEE LTSC	Learning Technology Standards Committee		Preparing justification and request
	Frank Farance (WG2)		

OECD	Organisation for Economic Co-operation and Development		Statistical metadata	2002-01
	Dan Gillman (WG2)	Denis WARD	denis.ward@oecd.org	
OG	Open Group			
OGC	Open GIS Consortium		SQL Spatial Extentions	19981016
	Mark Ashworth (WG4)	Kurt Buehler Martin Ford	Kurt@opengis.org	
OMG	Object Management Group		Object Management	19981106
	Hajime Horiuchi (WG2) Christoph Lingenfelder (WG4)	Fred Waskiewicz R.M. Soley	wask@omg.org	
W3C	World Wide Web Consortium		XML & Dublin Core	19981201
	Bruce Bargmeyer (WG2) Jake Knoppers (WG2) Jim Melton (WG3) Paul Cotton (WG3) Krishana Kurkarni (WG4)			

2.2 SC 32 Organization

SC 32 Data Management and Interchange

Standards for data management within and among local and distributed information systems environments. SC 32 provides enabling technologies to promote harmonization of data management facilities across sector-specific areas. Specifically, SC 32 standards include:

- 1) reference models and frameworks for the coordination of existing and emerging standards;
- 2) definition of data domains, data types and data structures, and their associated semantics;
- 3) languages, services and protocols for persistent storage, concurrent access, concurrent update and interchange of data;
- 4) methods, languages, services and protocols to structure, organize and register metadata and other information resources associated with sharing and interoperability, including electronic commerce.

Web : <http://www.jtc1sc32.org>

News Email : SC32-news@nist.gov

Ftp :

SC 32/WG 01 Open-edi

Standardization in the field of generic information technology standards for open electronic data interchange needed to attain global interoperability among the information technology systems used by organizations. Such interoperability is viewed from both business and information technology perspectives.

Within this context the scope includes:

- 1 methodology and framework for identification and modelling of business activities through business scenarios and their components, such as roles, information bundles, and semantic components;
- 2 identification and specification of formal description techniques for describing classes of business requirements and their contextual and semantic specifications;
- 3 identification and specification of formal description techniques for developing business scenarios and their components;
- 4 identification and specification of information technology services and service interfaces for accomplishing business transactions;
- 5 identification and specification of facilities to manage business scenarios and their components.

Note: Priority is on work required to support the needs of electronic commerce, electronic administration, electronic business, etc. The basis of work is the Open-edi Reference Model (ISO/IEC 14662).

Web : www.tieke.fi/sc32wg1

News Email :

Ftp :

SC 32/WG 02 Metadata

To develop and maintain standards that facilitate specification and management of metadata. Use of these standards will enhance the understanding and sharing of data, information and processes to support, for example, interoperability, electronic commerce and component-based development. The scope shall include:

- a) a framework for specifying and managing metadata;
- b) specification and management of data elements, structures and their associated semantics;
- c) specification and management of value domains, such as classification and code schemes;
- d) specification and management of data about processes and behaviour;
- e) facilities to manage metadata, for example: data dictionaries, repositories, information resource dictionary systems, registries and glossaries;
- f) facilities to exchange metadata, including its semantics, over the Internet, intranets and other media.

Web : www.metadata.aihw.gov.au

News Email : SC32WG2-news@nist.gov

Ftp : <http://metadata-stds.org>

SC 32/WG 03 Database Languages

The terms of reference of ISO/IEC JTC1/SC32/WG3 Database Languages are:

1. To develop and maintain languages for the dynamic specification, maintenance and description of database structures and contents in multi-user environments. The specifications may include the data type, behaviour and any integrity constraints on the contents of the defined structures. The specifications may include mechanisms for the creation and generation of new data types and behaviours so as to support the specification of other international standards.

2. To provide additional support for the integrity of database systems through transaction commitment, recovery, and security facilities.

3. To develop and maintain languages which provide for the storage, access and manipulation of data in database structures by multiple concurrent users. These languages may be computationally complete and may contain features for the packaging and storage of modules and procedures in database structures.

4. To provide interfaces for the languages developed to other standard programming languages.

5. To provide interfaces or access to other standards describing data types, behaviour or database content to users of the languages developed.

Web :

News Email :

Ftp : ftp://jerry.ece.umassd.edu/SC32/WG3

SC 32/WG 04 SQL Multimedia & Application Packages

To specify packages of abstract data types for use in various application areas. Specify each package of abstract data type definitions using the facilities for user-defined type provided in the Database Language SQL/Foundation. This should include packages such as Full-Text, Spatial, Still Image, Still Graphic, Animation, Full Motion Video, Audio, Seismic, and Music.

Web :

News Email :

Ftp :

SC 32/WG 05 Database Access and Interchange [Disolved 2002-05]

Web :

News Email :

Ftp :

SC 32/RG 01 Maintenance of Data Management and Interchange Standards

Maintenance of ISO/IEC Standards assigned to SC32 but not assigned to a specific SC32 Working Group, and enhancement of them as may be required by SC 32.

This Working Group was renamed and rescoped in the Ballot 32N0735 that closed in March 2002. The prior name was "Reference Model for Data Management Maintenance"

Web :

News Email :

Ftp :

SC 32/RG 02 Export/Import Maintenance [Dissolved 2000-10]

Web :
News Email :
Ftp :

2.3 SC32 Projects

SC/WG Project Project Title	Project Editor	ISO/IEC Design Document			Reference Document	
		NP	CD	FCD	FDIS	IS
		TARGET ACTUAL	TARGET ACTUAL	TARGET ACTUAL	TARGET ACTUAL	TARGET ACTUAL

SC 32/RG 01 Maintenance of Data Management and Interchange Standards

SC 32/RG 01	Project Editor	NP	CD	FCD	FDIS	IS
SC 32/RG 01 1.32.01.01.00.00 [17995 / 90.60] Information technology - Reference Model of Data Management	Schnarr, Rick					ISO/IEC 10032:1995 Published 1995-05 1995-05
SC 32/RG 01 1.32.05.02.00.00 [30615 / 60.60] Information technology - Remote database access for SQL (RDA/SQL). Edition 2.	Hadjoannou, John					ISO/IEC9579:2000 ed 2 32N0339 Published 2000-02-15 1998-05 1998-05 1999-06 1999-12 1998-04 1998-04 1999-07 2000-02
SC 32/RG 01 1.32.05.03.00.00 [33157 / 60.60] Information technology - Remote database access for SQL (RDA/SQL) - Edition 3 (for SQL 1999)	Hadjoannou, John					ISO/IEC FCD 9579 edition 3 32N0349 FCD editing complete FDIS expected 2002-03 1998-09 2002-03 2002-08 1999-08
SC 32/RG 01 1.32.58.01.01.00 [29940 / 40.20] Information technology - Data Management Export/Import Facilities - Part 1: Standardization Framework	Berube, Jean					ISO/IEC FCD 13238-1 32N0583 FCD closed 2001-03-05 1997-09 1997-09 2000-10 2002-06 2002-12 1997-11 2000-10

SC 32/WG 01 Open-edi

NP	CD	FCD	FDIS	IS
----	----	-----	------	----

SC 32/WG 01	Pelkonen, Hannu	ISO/IEC FCD 14662				32N0830
1.32.30.02.00.00	[25154 / 60.60]					
Information technology - Open-Edi Reference Model 2nd Edition				2002-05	2002-10	
SC 32/WG 01	Levine, Paul	ISO/IEC 15944-1:2002				32N0740
1.32.31.01.01.00	[33322 / 40.20]					Published 2002
Information technology - Business Agreement Semantic Descriptive Techniques Part 1: Business Operational Aspects of Open-edi for Implementation		1999-09	2000-12	2001-12	2002-06	
		1999-10	2000-04	2001-12	2002-08	
SC 32/WG 01	Levine, Paul	ISO/IEC CD 15944-2				32N0847
1.32.31.01.02.00	[33324 / 20.00]					WD 2001-08
Information technology - Business Agreement Semantic Descriptive Techniques Part 2: Registration of Scenarios and their Components		2002-06	2003-03	2003-09	2004-03	
		2002-06				
SC 32/WG 01	Levine, Paul	ISO/IEC WD 15944-3				32N0847
1.32.31.01.03.00	[33325 / 20.00]					WD published 2002-08-07
Information technology - Business Agreement Semantic Descriptive Techniques Part 3: Open-edi Description Techniques		2002-10	2003-06	2003-12	2004-05	
SC 32/WG 01	McCarthy, William	ISO/IEC WD 15944-4				32N0847
1.32.31.01.04.00	[/ 10.00]					WD published 2001-10-22
Information technology - Business Agreement Semantic Descriptive Techniques Part 4: Business Transaction Scenarios - Accounting and Economic Ontology		2002-10	2003-06	2003-12	2004-05	
SC 32/WG 01	Pelkonen, Hannu	ISO/IEC 14662:1997				32N0830
1.32.30.01.00.00	[25154 / 60.60]					Pub 1997 Now in Revision
Information technology - Open-Edi Reference Model						1997-12
SC 32/WG 01	Knoppers, Jake	ISO/IEC AWI 18038				32N0830
1.32.20.01.00.00	[30823 / 20.20]					CD expected 2001-10
Information technology - Identification and Mapping of Various Categories of Jurisdictional Domains		2002-05	2002-10	2003-03	2003-06	

SC 32/WG 02 Metadata

		NP	CD	FCD	FDIS	IS
SC 32/WG 02	Farance, Frank					32N0857
1.32.23.01.03.00	[0 /]					WD expected 2002-10
Information Technology--Metadata registries (MDR) Module Part 3: Security information module for metamodel						

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-02	
1.32.17.01.02.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 2: Conformance		2002-08	
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-60	WD expected 2002-10
1.32.17.01.60.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 60: Protocol binding overview			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-46	WD expected 2002-10
1.32.17.01.46.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 46: Lisp binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-45	
1.32.17.01.45.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 45: Perl bindibg			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-44	
1.32.17.01.44.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 44: Javascript binding		2002-08	
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-43	
1.32.17.01.43.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 43: Java binding		2002-08	
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-42	
1.32.17.01.42.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 42: C++		2002-08	
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-40	
1.32.17.01.40.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 40: API binding overview		2002-08	
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-20	
1.32.17.01.20.00	[/ 20.00]		
Information technology - Metadata Registry - Interoperability & bindings Part 20: Coding binding overview		2002-08	

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-62	
1.32.17.01.62.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 62: DCTP binding			
SC 32/WG 02		ISO/IEC AWI 20944-03	
1.32.17.01.03.00	[/ 20.00]		2002-08
Information technology - Metadata Registry - Interoperability & bindings Part 3: Attribute Mapping			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-63	
1.32.17.01.63.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 63: SOAP binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-24	
1.32.17.01.24.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 24: DCMI binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-23	
1.32.17.01.23.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 23: ASN.1binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-22	
1.32.17.01.22.00	[/ 20.00]		2002-08
Information technology - Metadata Registry - Interoperability & bindings Part 22: DNVP Binding			
SC 32/WG 02		ISO/IEC AWI 20944-21	
1.32.17.01.21.00	[/ 20.00]		2002-08
Information technology - Metadata Registry - Interoperability & bindings Part 21: XML Binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-41	
1.32.17.01.41.00	[/ 20.00]		2002-08
Information technology - Metadata Registry - Interoperability & bindings Part 41: C binding			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-64	
1.32.17.01.64.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 64: WSDL binding			

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 19773-02	32N0856
1.32.23.01.02.00	[0 /]		WD expected 2002-10
Information Technology--Metadata registries (MDR) Module Part 2: Relations information module for metamodel			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 14957	
1.32.19.02.00.00	[2365 /]		WD expected 2002-10-31
Information technology - Representation of data elements values: Notation of the format 2nd Edition			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 19773-01	32N0855
1.32.23.01.01.00	[0 /]		WD expected 2002-10
Information Technology--Metadata registries (MDR) Module Part 1: Contact information module for metamodel			
SC 32/WG 02	Horiuchi, Hajime	ISO/IEC AWI 19763-00	32N0688
1.32.22.01.00.00	[0 /]		NWI approved 2002-03-21
Information technology - Framework for Metamodel interoperability - Part 0 Overview			
		2002-03	
SC 32/WG 02	Horiuchi, Hajime	ISO/IEC AWI 19763-01	
1.32.22.01.01.00	[0 /]		WD expected 2002-10
Information technology - Framework for Metamodel interoperability Part 1: Reference model			
SC 32/WG 02	Obayashi, Masaharu	ISO/IEC AWI 19763-02	
1.32.22.01.02.00	[0 /]		WD expected 2002-10
Information technology - Framework for Metamodel interoperability Part 2: Core (MOF/XMI extensions)			
SC 32/WG 02	Berube, Jean	ISO/IEC AWI 19763-03	
1.32.22.01.03.00	[0 /]		WD expected 2002-10
Information technology - Framework for Metamodel interoperability Part 3: Metamodel for ontologies			
SC 32/WG 02	Yasuyuki, Fujikawa	ISO/IEC AWI 19763-04	
1.32.22.01.04.00	[0 /]		WD expected 2002-10
Information technology - Framework for Metamodel interoperability Part 4: Metamodel for model mapping			
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-61	
1.32.17.01.61.00	[/ 20.00]		WD expected 2002-10
Information technology - Metadata Registry - Interoperability & bindings Part 61: ODBC binding			

SC 32/WG 02	*to be defined*	ISO TR 9007:1987			
1.32.02.02.00.00	[16549 / 60.60]			Published	1987-07
Information processing systems - Concepts and Terminology for the Conceptual Schema and the Information Base					1987-07
SC 32/WG 02	Gradwell, David	ISO/IEC 10027:1990			
1.32.40.01.00.00	[17985 / 90.93]			Published	1990-06
Information technology - Information Resource Dictionary System (IRDS) Framework					1990-06
SC 32/WG 02	Bourne, Tim	ISO/IEC 10728:1993			
1.32.41.01.00.00	[18821 / 90.93]			Published	1993-04
Information technology - Information Resource Dictionary Systems (IRDS) Services Interface					1993-04
SC 32/WG 02	Gradwell, David	ISO/IEC 10728 :1993/Amd 1:1995			
1.32.41.01.00.01	[24341 / 60.60]			Published	1995-12
Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 1: C Language Binding					1995-12
SC 32/WG 02	Colket, William	ISO/IEC 10728 :1993/Amd 2:1996			
1.32.41.01.00.02	[24342 / 60.60]			Published	1996-11
Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 2: Ada language binding					1996-11
SC 32/WG 02	Gradwell, David	ISO/IEC 10728 :1993/Amd 3:1998			
1.32.41.01.00.03	[27123 / 60.60]			Published	1996-12
Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 3: CORBA IDL Binding					1996-12
SC 32/WG 02	Horiuchi, Hajime	ISO/IEC 10728 :1993/Amd 4:1998			
1.32.41.01.00.04	[28052 / 60.60]			Published	1998-05
Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 4: Remote Procedure Call IDL Binding			1996-05	1998-02	1998-08
			1996-08	1997-03	1998-08
SC 32/WG 02	Takaaki, Shiratori	ISO/IEC 6523-1:1998			
1.32.14.02.01.00	[25773 / 60.60]			Published	1998-12
Information technology - Structure for the identification of organizations and organization parts - Part 1: Identification of organization schemes					1999-06
				1997-06	1998-12

SC 32/WG 02	*to be defined*	ISO/IEC 6523-2:1998					
1.32.14.02.02.00	[25774 / 60.60]					Published 1998-12	
Information technology - Structure for the identification of organizations and organization parts - Part 2: Registration of organization identification schemes						1999-06	1998-12
						1997-06	
SC 32/WG 02	Newton, Judith	ISO/IEC TR 15452:2000					32N0228
1.32.21.01.00.00	[27695 / 90.92]					Published 2000-02-15	
Information technology - Specification of Data Value Domain			1998-01	1999-05	1999-12	2000-05	
					1998-09	2000-02	
SC 32/WG 02	Knoppers, Jake	ISO 5218:1977					
1.32.10.01.00.00	[11219 / 90.92]					Pub 1977 Now in Revision	
Information interchange - Representation of human sexes							1977-09
SC 32/WG 02	Knoppers, Jake	ISO/IEC FCD 5218					32N0734
1.32.10.02.00.00	[31365 / 20.00]					FCD closed 2002-03-19	
Information technology - Codes for the representation of human sexes (Revision of ISO 5218:1977)			2001-04	2001-04	2002-08	2002-12	
		1998-07	2001-10	2002-03			
SC 32/WG 02	*to be defined*	ISO/IEC TR 9789:1994 type 3					
1.32.11.01.00.00	[17651 / 60.60]					Published 1994	
Information technology - Guidelines for the organization and representation of data elements for data interchange - Coding methods and principles							1994-12
SC 32/WG 02	Thienot, Alain	ISO/IEC 14957:1996					
1.32.19.01.00.00	[2365 / 90.20]					Published 1996-12	
Information technology - Representation of data elements values: Notation of the format							1996-01
SC 32/WG 02	Gillman, Dan	ISO/IEC 11179-1:1999					32N0243
1.32.15.01.01.00	[2349 / 90.92]					Pub 1999 Now in Revision	
Information technology - Specification and standardization of data elements - Part 1: Framework for the specification and standardization of data elements				1998-11	1999-03	1999-06	
			1997-11	1999-02	1999-04	1999-12	
SC 32/WG 02	Bargmeyer, Bruce	ISO/IEC 11179-2:2000					32N0245
1.32.15.01.02.00	[2317 / 90.92]					Pub 2000 Now in Revision	
Information technology - Specification and standardization of data elements - Part 2: Classification for data elements			1997-09	1998-03	1999-03	1998-12	
			1998-02		1999-03	2000-03	

SC 32/WG 02	Gates, Ray	ISO/IEC 11179-3:1994						
1.32.15.01.03.00	[19184 / 90.92]							Pub 1994 (V2 now in pub)
Information technology - Specification and standardization of data elements - Part 3: Basic attributes of data elements								
								1994-12
SC 32/WG 02	Gates, Ray	ISO/IEC AWI 11179-3 ed3						
1.32.15.03.03.00	[/ 20.20]							
Information technology -- Metadata Registries (MDR) - Part 3: Registry Metamodel and basic attributes 3rd Edition								
SC 32/WG 02	Gates, Ray	ISO/IEC FDIS 11179-3						32N0841
1.32.15.02.03.00	[31367 / 30.60]							In publication 2002-12
Information technology -- Metadata Registries (MDR) - Part 3, Registry Metamodel and basic attributes								
		1998-07	2001-05	2001-11	2002-05	2002-08		
			2000-06	2001-05	2002-06			
SC 32/WG 02	Bargmeyer, Bruce	ISO/IEC 11179-4:1995						
1.32.15.01.04.00	[23788 / 90.92]							Pub 1995 Now in Revision
Information technology - Specification and standardization of data elements - Part 4: Rules and guidelines for the formulation of data definitions								
								1995-06
SC 32/WG 02	Newton, Judith	ISO/IEC 11179-5:1995						
1.32.15.01.05.00	[1758 / 90.92]							Pub 1995 Now in Revision
Information technology - Specification and standardization of data elements - Part 5: Naming and identification principles for data elements								
								1995-06
SC 32/WG 02	Ngo, Phong	ISO/IEC 11179-6:1997						
1.32.15.01.06.00	[1677 / 90.92]							Pub 1997 Now in Revision
Information technology - Specification and standardization of data elements - Part 6: Registration of data elements								
								1997-04
SC 32/WG 02	Gates, Ray	ISO/IEC AWI 20943-0						
1.32.16.01.00.00	[34343 /]							WD expected 2002-10-31
Information technology - Achieving Metadata Registry Content Consistency - Part 0: Overview								
SC 32/WG 02	Newton, Judith	ISO/IEC TR 20943-1						32N0875
1.32.16.01.01.00	[34343 / 30.60]							In publication 2002-12
Information technology - Achieving Metadata Registry Content Consistency - Part 1: Data elements								
		2001-05	2001-11	2002-08	2002-12			
		2000-06	2001-05	2002-08				
SC 32/WG 02	Gillman, Dan	ISO/IECPDTR 20943-3						N0780
1.32.16.01.03.00	[35339 / 20.00]							PDTR ballot due 2003-01-06
Information technology - Achieving Metadata Registry Content Consistency - Part 3: Value Domains								
		2001-12	2002-08					
		2002-02	2002-08					

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-01					
1.32.17.01.01.00	[34344 / 20.00]						CD expected 2002-08
Information technology - Metadata Registry - Interoperability & bindings Part 1: Overview & framework			2002-08				
SC 32/WG 02	Gillman, Dan	ISO/IEC CD 11179-1					32N0877
1.32.15.02.01.00	[35343 / 20.20]						CD expected 2002-09-01
Information Technology -- Metadata Registries (MDR) - Part 1: Framework			2002-09				
			2002-09				
SC 32/WG 02	Carpenter, Jim	ISO/IEC AWI 11179-2					WD expected 2002-09
1.32.15.02.02.00	[35345 / 20.00]						
Information technology -- Metadata Registries (MDR) - Part 2: Classification for administered items (Revision of ISO/IEC 11179-2:2000)			2002-09				
SC 32/WG 02	Bargmeyer, Bruce	ISO/IEC FCD 11179-4					32N0909
1.32.15.02.04.00	[35346 / 20.00]						FCD ballot closed 2003-04-13
Information Technology -- Metadata Registries (MDR) - Part 4: Formulation of data definitions			2001-12	2002-08	2003-03	2003-06	
			2002-01	2002-11			
SC 32/WG 02	Newton, Judith	ISO/IEC CD 11179-5					32N0754
1.32.15.02.05.00	[35347 / 20.00]						CD ballot closed 2002-04-17
Information Technology -- Metadata Registries (MDR) - Part 5: Naming and identification principles			2002-08				
			2002-01				
SC 32/WG 02	Fitzwater, Larry	ISO/IEC AWI 11179-6					WD expected 2002-02
1.32.15.02.06.00	[35348 / 20.00]						
Information Technology -- Metadata Registries (MDR) - Part 6: Registration			2002-05				
SC 32/WG 02	Bargmeyer, Bruce	ISO/IEC AWI 20943-2					WD expected 2002-02
1.32.16.01.02.00	[35338 / 20.00]						
Information technology - Achieving Metadata Registry Content Consistency - Part 2: XML Structured Data			2003-02				
SC 32/WG 02	Knoppers, Jake	ISO/IEC WD 18022					32N0695
1.32.18.01.00.00	[33055 / 20.20]						CD expected 2002-05
Information technology - IT enablement of coded domains			2003-03	2003-12			
SC 32/WG 02	Wilcox, Terry	ISO/IEC 13238-3:1998					21N10899
1.32.58.01.03.00	[21473 / 60.60]						Published 1998-12
Information technology - Data Management Export/Import Facilities - Part 3: Export/Import Facilities for IRDS			1995-01	1996-01	1998-11		
			1995-03	1997-06	1999-03		

SC 32/WG 03 Database Languages

		NP	CD	FCD	FDIS	IS
SC 32/WG 03	Melton, Jim					32N0737
1.32.03.04.13.00	[0 /]				Pub 2002 Now in Revision	
Information technology --Database Language SQL - Part 13: SQL/JRT (for SQL:1999)		2000-10		2001-04 2001-04	2002-01 2001-12	2002-05 2002-07
SC 32/WG 03	Cannan, Stephen					32N0829
1.32.03.04.99.02	[0 /]				Sent to ITTF	2002-06
Information technology- Database languages - SQL - Technical Corrigendum 2 for SQL:1999/Corr 2:2002				2001-12 2001-12	2002-06	2002-06
SC 32/WG 03	Melton, Jim					
1.32.03.06.02.00	[/]					
Information technology - Database Languages - SQL - Part 2: Foundation (SQL/Foundation)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim					
1.32.03.06.03.00	[/]					
Information technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim					
1.32.03.06.04.00	[/]					
Information technology - Database Languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim					
1.32.03.06.09.00	[34136 /]					
Information technology - Database Languages - SQL - Part 9: Management of External Data (SQL/MED)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim					
1.32.03.06.10.00	[34137 /]					
Information technology --Database Languages - SQL - Part 10: Object language bindings (SQL/OLB)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim					
1.32.03.06.14.00	[35341 /]					
Information technology --Database Language SQL - Part 14: SQL/XML			2004-03	2005-03	2006-03	2006-09

SC 32/WG 03	Melton, Jim	ISO/IEC AWI 9075-13				
1.32.03.06.13.00	[/]					
Information technology --Database Language SQL - Part 13: SQL/JRT (for SQL:200n)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim	ISO/IEC AWI 9075-11				
1.32.03.06.11.00	[34917 /]					
Information technology --Database Languages - SQL - Part 11: Information and Definition Schemas (SQL/Schemata)			2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075:1999/Cor 1				32N0531
1.32.03.04.99.00	[34894 / 60.60]					Published 2000-12-21
Information technology- Database languages - SQL - Technical Corrigendum 1 for SQL:1999/Cor 1:2000					2000-03	2000-07
						2000-12
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075-1:1999				32N0222
1.32.03.04.01.00	[26196 / 90.92]					Pub 1999 Now in Revision
Information technology - Database Language SQL - Part 1: Framework			1996-06	1999-03	1999-03	1999-07
			1997-09	1999-03		1999-11
SC 32/WG 03	Melton, Jim	ISO/IEC FDAM 9075 : Amd 1				32N0379
1.32.03.04.01.01	[34738 / 60.00]					Published 2001
Information technology- Database languages SQL - Amendment 1: SQL/OLAP (for SQL:1999)			1999-11	2000-08	2000-08	2000-12
			1999-11	2000-08		2001-03
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075-2:1999				32N0223
1.32.03.04.02.00	[26197 / 90.92]					Pub 1999 Now in Revision
Information technology - Database Language SQL - Part 2: Foundation (SQL:1999)			1996-06	1999-03	1999-03	1999-07
			1997-09	1999-03		1999-11
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075-3:1999				32N0261
1.32.03.04.03.00	[30609 / 90.92]					Pub 1999 Now in Revision
Information technology - Database Language SQL - Part 3: Call-Level Interface			1998-09	1999-08	1999-05	1999-09
			1998-08	1999-05		1999-11
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075-4:1999				32N0224
1.32.03.04.04.00	[29864 / 90.92]					Pub 1999 Now in Revision
Information technology - Database Language SQL - Part 4: Persistent Stored Modules			1997-10	1999-03	1999-03	1999-07
			1997-10	1999-03		1999-11
SC 32/WG 03	Cannan, Stephen	ISO/IEC 9075-5:1999				32N0225
1.32.03.04.05.00	[26198 / 60.60]					Published 1999-11-15
Information technology - Database Language SQL - Part 5: Language Bindings			1996-06	1999-03	1999-03	1999-07
			1997-09	1999-03		1999-11

SC 32/WG 03	Melton, Jim	ISO/IEC 9075-9:2001			32N0368
1.32.03.04.09.00	[31370 / 60.00]				Pub 2001 Now in Revision
Information technology - Database Language SQL - Part 9: Management of External Data		1998-12	1999-09	2000-09	2001-01
		1998-12	1999-11	2000-09	2001-05
SC 32/WG 03	Melton, Jim	ISO/IEC 9075-10:2000			32N0475
1.32.03.04.10.00	[30613 / 60.60]				Pub 2000 Now in Revision
Information technology --Database Language SQL - Part 10: Object language bindings (for SQL:1999)			1998-10	2000-04	2000-08
			1998-12	2000-04	2000-11
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-1			32N0742
1.32.03.05.01.00	[34132 / 30.20]				FCD ballot closed 2002-05-29
Information technology - Database Languages - SQL - Part 1: Framework (SQL/Framework)		2001-01	2002-02	2003-02	2003-06
		2000-11	2002-01		
SC 32/WG 03	Melton, Jim	ISO/IEC AWI 9075-1			
1.32.03.06.01.00	[/]				
Information technology - Database Languages - SQL - Part 1: Framework (SQL/Framework)		2004-03	2005-03	2006-03	2006-09
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-2			32N0743
1.32.03.05.02.00	[34133 / 30.20]				FCD ballot closed 2002-05-29
Information technology - Database Languages - SQL - Part 2: Foundation (SQL/Foundation)		2001-01	2002-02	2003-02	2003-06
		2000-11	2002-01		
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-3			32N0744
1.32.03.05.03.00	[34134 / 30.20]				FCD ballot closed 2002-05-29
Information technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI)		2001-01	2002-02	2003-02	2003-06
		2000-11	2002-01		
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-4			32N0745
1.32.03.05.04.00	[34135 / 30.20]				FCD ballot closed 2002-05-29
Information technology - Database Languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM)		2001-01	2002-02	2003-02	2003-06
		2000-11	2002-01		
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-9			32N0746
1.32.03.05.09.00	[34136 / 30.20]				FCD ballot closed 2002-05-29
Information technology - Database Languages - SQL - Part 9: Management of External Data (SQL/MED)		2001-02	2002-02	2003-02	2003-06
		2000-11	2002-01		
SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-10			32N0747
1.32.03.05.10.00	[34137 / 30.20]				FCD ballot closed 2002-05-29
Information technology --Database Languages - SQL - Part 10: Object language bindings (SQL/OLB)		2001-01	2002-02	2003-02	2003-06
		2001-11	2002-01		

SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-11				32N0748
1.32.03.05.11.00	[34917 / 30.20]					FCD ballot closed 2002-05-29
Information technology --Database Languages - SQL - Part 11: Information and Definition Schemas (SQL/Schemata)		2001-01	2002-02	2003-02		2003-06
		2000-11	2002-01			

SC 32/WG 03	Melton, Jim	ISO/IEC FDIS 9075-13				32N0769
1.32.03.05.13.00	[35340 / 20.00]					FCD Ballot Closed 2002-08-01
Information technology --Database Language SQL - Part 13: SQL/JRT (for SQL:200n)			2002-01	2003-02		2003-06
			2002-03			

SC 32/WG 03	Melton, Jim	ISO/IEC FCD 9075-14				32N0634
1.32.03.05.14.00	[35341 /]					FCD Ballot Closed 2002-08-01
Information technology --Database Language SQL - Part 14: SQL/XML (for SQL:200n)		2000-10	2002-03	2003-02		2003-06
			2002-03			

SC 32/WG 04 SQL Multimedia & Application Packages

		NP	CD	FCD	FDIS	IS
SC 32/WG 04	Ashworth, Mark	ISO/IEC AWI 13249-3				
1.32.04.03.03.00	[/ 20.20]					
Information technology - SQL Multimedia and Application Packages - Part 3: Spatial 3rd ed.			2003-12	2004-12	2005-12	2006-06
SC 32/WG 04	Shiratori, Takaaki	ISO/IEC AWI 13249-1				
1.32.04.03.01.00	[/ 20.00]					
Information technology - SQL Multimedia and Application Packages - Part 1: Framework 3rd ed.			2003-12	2004-12	2005-12	2006-06
SC 32/WG 04	Lingenfelder, Christoph	ISO/IEC AWI 13249-6				
1.32.04.02.06.00	[/ 30.60]					
Information technology - Database languages - SQL Multimedia and Application Packages - Part 6: Data Mining 2nd ed			2003-12	2004-12	2005-12	2006-06
SC 32/WG 04	Ashworth, Mark	ISO/IEC AWI 13249-5				
1.32.04.03.05.00	[/ 20.20]					
Information technology - SQL Multimedia and Application Packages - Part 5: Still Image 3rd ed.			2003-12	2004-12	2005-12	2006-06
SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-2				
1.32.04.03.02.00	[/ 20.20]					
Information technology - SQL Multimedia and Application Packages - Part 2: Full-Text 3rd ed.			2003-12	2004-12	2005-12	2006-06

SC 32/WG 04	Ashworth, Mark	ISO/IEC COR 13249-3				32N0903
1.32.04.01.03.01	[/ 20.20]				Sent to ITTF	2002-11-19
Information technology - SQL Multimedia and Application Packages - Part 3: Spatial	1st Edition					2002-11
					2002-07	2002-11
SC 32/WG 04	Ashworth, Mark	ISO/IEC COR 13249-2				32N0902
1.32.04.01.02.01	[/ 20.20]				Sent to ITTF	2002-11-19
Information technology - SQL Multimedia and Application Packages - Part 2: Full-Text	1st Edition					2002-11
					2002-07	2002-11
SC 32/WG 04	Ashworth, Mark	ISO/IEC COR 13249-5				32N0773
1.32.04.01.05.01	[/ 20.20]				Sent to ITTF	2002-11-19
Information technology - SQL Multimedia and Application Packages - Part 5: Still Image	1st Edition					2002-11
					2002-07	2002-11
SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-5				32N0762
1.32.04.02.05.00	[35044 / 20.20]				FCD ballot closed	2002-07-29
Information technology - SQL Multimedia and Application Packages - Part 5: Still Image	2nd ed	2001-06	2002-02	2002-12		2003-03
		2001-05	2002-03			
SC 32/WG 04	Newton, Mike	ISO/IEC13249-1:2000				32N0469
1.32.04.01.01.00	[21484 / 60.60]				Published	2000-09-01
Information technology - SQL Multimedia and Application Packages - Part 1: Framework			1998-10	2000-04		2000-07
			1998-10			2000-09
SC 32/WG 04	Shiratori, Takaaki	ISO/IEC FDIS 13249-1				32N0736
1.32.04.02.01.00	[34128 / 20.00]				FDIS sent to ITTF	2002-07-03
Information technology - SQL Multimedia and Application Packages - Part 1: Framework	2nd ed.	2001-12	2001-02	2002-07		2002-11
			2001-11	2002-07		
SC 32/WG 04	Ashworth, Mark	ISO/IEC13249-2:2000				32N0467
1.32.04.01.02.00	[28053 / 60.60]				Pub 2000 Now in Revision	
Information technology - SQL Multimedia and Application Packages - Part 2: Full -Text			1996-08	2000-02		2000-08
			1997-11	2000-03		2000-09
SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-2				32N0760
1.32.04.02.02.00	[31368 / 20.20]				FCD ballot closed	2002-07-29
Information technology - SQL Multimedia and Application Packages - Part 2: Full-Text	2nd ed	2001-06	2002-02	2002-12		2003-03
		2001-05	2002-03			
SC 32/WG 04	Ashworth, Mark	ISO/IEC 13249-3:1999				32N0229
1.32.04.01.03.00	[28054 / 60.60]				Pub 1999 Now in Revision	
Information technology - SQL Multimedia and Application Packages - Part 3: Spatial		1996-08	1996-08	1998-09		1999-09
		1997-11	1997-11	1999-03		1999-12

SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-3				32N0761
1.32.04.02.03.00	[31369 / 20.20]				FCD ballot closed	2002-07-29
Information technology - SQL Multimedia and Application Packages - Part 3: Spatial 2nd Edition		2001-06	2002-02	2002-12		2003-03
		2001-05	2002-03			
SC 32/WG 04	Ashworth, Mark	ISO/IEC 13249-5:2001				32N0605
1.32.04.01.05.00	[30617 / 50.20]				Pub 2001 Now in Revision	
Information technology - SQL Multimedia and Application Packages - Part 5: Still Image		1997-07	1999-06	2000-09		2000-12
		1998-01	1999-08	2000-10		2001-05
SC 32/WG 04	Lingenfelder, Christoph	ISO/IEC FDIS 13249-6				32N0848
1.32.04.01.06.00	[34129 / 30.60]				In Pub 2002- Now in Revision	
Information technology - Database languages - SQL Multimedia and Application Packages - Part 6: Data Mining		2000-12	2001-07	2002-07		2002-11
		2000-11	2001-05	2002-06		

2.4 SC Chairman and Secretariat, WG Conveners and Project Editors

Mr. Mark Ashworth

Phone: + 1 905 697 8094

Fax:

Email: Mark.Ashworth@ACM.org

IBM Canada Ltd.
2285 Regional Road 57

Bowmanville
Ontario
L1C 3K4
Canada

Project Editor	32.04.02.05.00	ISO/IEC FCD 13249-5
Project Editor	64.02.01.00.00	ISO/IEC FCD 13249-2
Project Editor	64.03.00.00.00	ISO/IEC 13249-3:1999
Project Editor	64.03.01.00.00	ISO/IEC FCD 13249-3
Project Editor	64.05.00.00.00	ISO/IEC 13249-5:2001
Project Editor		ISO/IEC COR 13249-2
Project Editor		ISO/IEC COR 13249-3
Project Editor		ISO/IEC COR 13249-5
Project Editor		ISO/IEC AWI 13249-2
Project Editor		ISO/IEC AWI 13249-3
Project Editor		ISO/IEC AWI 13249-5
Project Editor	64.02.00.00.00	ISO/IEC 13249-2:2000:

Mr. Bruce Bargmeyer

Phone: + 1 510 495 2905

Fax: +1 510 486 4004

Email: BEBargmeyer@lbl.gov

Lawrence Berkeley National Laboratory
Building 50B, Room 3238
1 Cyclotron Road
Berkeley
CA
94720
USA

Project Editor	32.15.02.04.00	ISO/IEC FCD 11179-4
Project Editor	32.16.01.02.00	ISO/IEC AWI 20943-2
Project Editor	14.17.05.00.00	ISO/IEC 11179-4:1995
Chairman		
Project Editor	14.17.02.00.00	ISO/IEC 11179-2:2000

Mr. Jean Berube

Phone: + 1 450 465 0245

Fax: + 1 450 465 2398

Email: jberube@attglobal.net

IDEgenic Inc.
87 Burton

Greenfield Part
Quebec
J4V 2Y6
Canada

Project Editor	58.01.00.00.00	ISO/IEC FCD 13238-1
Project Editor		ISO/IEC AWI 19763-03

Mr. Tim Bourne

Phone: + 44 1442 395 645

Fax: + 44 1442 230 404

Email: standards@siam.co.uk

SIAM
1 St. David's Close

Hemel Hempstead
HP3 8LU
United Kingdom

Project Editor	06.02.00.00.00	ISO/IEC 10728:1993
----------------	----------------	--------------------

Mr. Stephen Cannan

Phone: + 31 294 236 666

Fax: + 31 294 230 346

Email: Stephen_Cannan@compuserve.com

ERD
Marten Meesweg 8-10

Rotterdam

NL 3068 AV
The Netherlands

Project Editor	03.04.05.00.00	ISO/IEC 9075-5:1999
Convenor		
Project Editor		ISO/IEC COR 9075
Project Editor	03.04.00.00.00	ISO/IEC 9075:1999 C1
Project Editor	03.04.03.00.00	ISO/IEC 9075-3:1999

Project Editor	03.04.01.00.00	ISO/IEC 9075-1:1999
Project Editor	03.04.04.00.00	ISO/IEC 9075-4:1999
Project Editor	03.04.02.00.00	ISO/IEC 9075-2:1999

Mr. Jim Carpenter

Phone: +1 202 606-7536
Fax: +1 202 606-7577
Email: CarpenterJ@BLS.gov

Bureau of Labor Statistics
Room 5140
2 Massachusetts Ave NE
Washington
DC
20212
USA

Project Editor	32.15.02.02.00	ISO/IEC AWI 11179-2
----------------	----------------	---------------------

Bruce Catley

Phone:
Fax:
Email:

Project Editor	31.04.02.00.00	ISO/IEC CD 20606-2
----------------	----------------	--------------------

Mr. William Currie Colket

Phone: + 1 703 602 1483
Fax: + 1 703 602 6805
Email: colket@smtp-gw.spawar.navy.mil

9906 Dale Ridge Road
Vienna
VA
22181
USA

Project Editor	06.02.02.00.00	ISO/IEC 10728:1993/2
----------------	----------------	----------------------

Mr. Frank Farance

Phone: +1 212-486-4700
Fax: +1 212-759-1605
Email: frank@farance.com

Farance Inc.
555 Main Street
New York
NY
10044-0150
USA

Project Editor	ISO/IEC AWI 19773-03
Project Editor	ISO/IEC AWI 20944-60
Project Editor	ISO/IEC AWI 20944-61
Project Editor	ISO/IEC AWI 20944-62
Project Editor	ISO/IEC AWI 14957
Project Editor	
Project Editor	ISO/IEC AWI 20944-63

Project Editor		ISO/IEC AWI 20944-64
Project Editor		ISO/IEC AWI 19773-02
Project Editor	32.02.11.00.00	ISO/IEC AWI 20944-01
Project Editor		ISO/IEC AWI 20944-46
Project Editor		ISO/IEC AWI 19773-01
Project Editor		ISO/IEC AWI 20944-02
Project Editor		ISO/IEC AWI 20944-44
Project Editor		ISO/IEC AWI 20944-43
Project Editor		ISO/IEC AWI 20944-42
Project Editor		ISO/IEC AWI 20944-41
Project Editor		ISO/IEC AWI 20944-40
Project Editor		ISO/IEC AWI 20944-24
Project Editor		ISO/IEC AWI 20944-23
Project Editor		ISO/IEC AWI 20944-22
Project Editor		ISO/IEC AWI 20944-45
Project Editor		ISO/IEC AWI 20944-20

Mr. Larry Fitzwater

Phone: + 1 202 566-1653
 Fax: + 1 202 566-1639
 Email: Fitzwater.Larry@epa.gov

Environmental Protection Agency
 1200 Pennsylvania Ave NW
 Mail Code 2822
 Washington
 DC
 20460
 USA

Project Editor	32.15.02.06.00	ISO/IEC AWI 11179-6
Convenor		

Ray Gates

Phone: +1 416 926 3080
 Fax:
 Email: Ray_Gates@manulife.com

Manulife Financial
 USGPS
 200 Bloor Street East
 Toronto
 ON
 M4W 1E5
 Canada

Project Editor	14.17.04.00.00	ISO/IEC 11179-3
Project Editor	32.02.10.00.00	ISO/IECAWI 20943-0
Project Editor	14.17.04.00.00	ISO/IEC AWI 11179-3
Project Editor	14.17.03.00.00	ISO/IEC 11179-3:1994

Mr. Daniel Gillman

Phone: + 1 202 691 7523
Fax: + 1 202 691 7426
Email: gillman_d@bls.gov

Bureau of Labor Statistics
OSMR
2 Massachusetts Ave NE
Washington
DC
20212
USA

Project Editor	14.17.01.00.00	ISO/IEC 11179-1:1999
Project Editor	32.02.10.00.00	ISO/IEC PDTR 20943-3
Project Editor	32.15.02.01.00	ISO/IEC CD 11179-1

Mr. David Gradwell

Phone: + 44 1 276 23519
Fax: + 44 1 276 676670
Email: david@gradwell.com

Data Dictionary Systems Limited
16 Tekels Avenue

Surrey
GU15 2LB
United Kingdom

Project Editor	06.02.01.00.00	ISO/IEC 10728:1993/1
Project Editor	06.02.03.00.00	ISO/IEC 10728:1993/3
Project Editor	06.01.00.00.00	ISO/IEC 10027:1990

The Revd John Hadjoannou

Phone: + 44 1977 610497
Fax:
Email: john@minster.co.uk

The Vicarage

Fitzwilliam
Pontefract
WF9 5BX
United Kingdom

Project Editor	31.05.03.00.00	ISO/IEC 9579 Amd 2
Project Editor	31.04.01.00.00	ISO/IEC 9579:2000
Project Editor	31.05.00.00.00	ISO/IEC FCD 9579 ed3
Project Editor	31.05.04.00.00	ISO/IEC CD 20606-1
Project Editor	31.05.01.00.00	ISO/IEC 9579 Amd 1
Project Editor	31.05.02.00.00	ISO/IEC 9579 ed 4

Mr. Hajime Horiuchi

Phone: +81-3-3700-6208
Fax: +81-3-3700-2589
Email: hori@tiu.ac.jp

Tokyo International University
350-1197 Matobakita

Kawagoe
Satama
350 11
Japan

Project Editor		ISO/IEC AWI 19763-01
----------------	--	----------------------

Project Editor 06.02.04.00.00 ISO/IEC 10728:1993/4
Project Editor ISO/IEC AWI 19763-00

Dr. Jake Knoppers

Phone: +1 613-234-3244
Fax: +1 613-234-3935
Email: mpereira@istar.ca

Canaglobe International Inc.
154 Slater Street, Suite 2

Ottawa
ON
K1P 5H6
Canada

Project Editor 14.10.00.00.00 ISO 5218:1977
Project Editor 32.20.01.00.00 ISO/IEC WD 18038
Project Editor 32.18.01.00.00 ISO/IEC WD 18022
Project Editor 14.10.01.00.00 ISO/IEC FCD 5218

Paul Levine

Phone: +1 732-873-8496
Fax:
Email: pajul@earthlink.net

NJ
USA

Project Editor 30.02.03.00.00 ISO/IEC WD 15944-3
Project Editor 30.02.02.00.00 ISO/IEC CD 15944-2
Project Editor 30.02.01.00.00 ISO/IEC 15944-1:2002

Christoph Lingenfelder

Phone: +49 7031 4065
Fax: +49 7031 4891
Email: lin@de.ibm.com

IBM Germany Development
Schonaicher Str 220

Bobliugen
71032
Germany

Project Editor 64.06.00.00.00 ISO/IEC FDIS 13249-6
Project Editor ISO/IEC AWI 13249-6

Mr. Douglas Mann

Phone: +1 202-566-2126
Fax: +1 202-566-1639
Email: mannd@battelle.org

Battelle Memorial Institute
13600 Angelica Court

Chantilly
VA
20151-3360
USA

Secretariat

Prof. William E. McCarthy

Phone: 517-432-2913

Fax:

Email: mccarth4@msu.edu

Arthur Andersen Alumni Professor of Accounting
Michigan State University
N228 North Business Complex
East Lansing
MI

USA

Project Editor 30.02.04.00.00 ISO/IEC WD 15944-4

Mr. Jim Melton

Phone: + 1 801 942 0144

Fax: + 1 801 942 3345

Email: jim.melton@acm.org

Oracle Corporation
1930 E. Viscounti Drive

Sandy
UT
84093-1063
USA

Project Editor	32.03.05.10.00	ISO/IEC FCD 9075-10
Project Editor		ISO/IEC AWI 9075-13
Project Editor		ISO/IEC AWI 9075-14
Project Editor	32.03.05.01.00	ISO/IEC FCD 9075-1
Project Editor	32.03.05.02.00	ISO/IEC FCD 9075-2
Project Editor	32.03.05.03.00	ISO/IEC FCD 9075-3
Project Editor	32.03.05.04.00	ISO/IEC FCD 9075-4
Project Editor	32.03.05.09.00	ISO/IEC FCD 9075-9
Project Editor		ISO/IEC AWI 9075-4
Project Editor	32.03.05.11.00	ISO/IEC FCD 9075-11
Project Editor	32.03.05.12.00	ISO/IEC AWI 9075-12
Project Editor	32.03.05.07.00	ISO/IEC WD 9075-7
Project Editor		ISO/IEC AWI 9075-9
Project Editor		ISO/IEC AWI 9075-10
Project Editor		ISO/IEC AWI 9075-3
Project Editor		ISO/IEC AWI 9075-2
Project Editor	32.03.05.01.00	ISO/IEC AWI 9075-1
Project Editor	32.03.05.14.00	ISO/IECFCD 9075-14
Project Editor	32.03.05.13.00	ISO/IEC FDIS 9075-13
Project Editor	03.04.10.00.00	ISO/IEC 9075-10:2000
Project Editor		ISO/IEC 9075-13:2002
Project Editor	03.04.01.01.00	ISO/IEC FDM9075:99 a1
Project Editor	03.04.09.00.00	ISO/IEC 9075-9:2001
Project Editor		ISO/IEC AWI 9075-11

Ms. Judith Newton

Phone: +1 301 975 3256

Fax: +1 301 975 6213

Email: jnewton@nist.gov

NIST

United States Dept. of Commerce

Gaithersburg

MD

20899

USA

Project Editor	32.15.02.05.00	ISO/IEC CD 11179-5
Project Editor	32.02.10.00.00	ISO/IEC TR 20943-1
Project Editor	14.09.00.00.00	ISO/IEC TR 15452:2000
Project Editor	14.17.06.00.00	ISO/IEC 11179-5:1995

Mr. Mike Newton

Phone: + 44 1 908 653 706

Fax: + 44 1 908 653 744

Email: m.a.newton@open.ac.uk

Open University

Computing Department

Bucks

MK7 6AA

United Kingdom

Rapporteur		
Project Editor	64.01.00.00.00	ISO/IEC 13249-1:2000

Mr. Phong Ngo

Phone: + 1 703.292-6246

Fax:

Email: phong.x.ngo@saic.com

SAIC

6565 Arlington Blvd

Falls Church

VA

22404

USA

Project Editor	14.17.07.00.00	ISO/IEC 11179-6:1997
----------------	----------------	----------------------

Mr. Masaharu Obayashi

Phone: +81 -3-3716-6300

Fax: +81-3-3716-7201

Email: Obayashi@kthree.co.jp

Kanrikogaku Ltd.

3-9-1 Meguro, Meguro-ku

Tokyo

Japan

Project Editor		ISO/IEC AWI 19763-02
----------------	--	----------------------

Mr. Hannu Pelkonen

Phone: +358 204 51 4559

Fax: +358 204 51 4525

Email: hannu.pelkonen@posti.fi

Finland Post Ltd, EDI-Services
P.O.BOX 702

FIN-00011 POSTI

Finland

Project Editor

ISO/IEC FCD 14662

Project Editor

30.04.00.00.00

ISO/IEC 14662:1997

Convenor

Mr. Rick Schnarr

Phone: + 1 613 996 5655

Fax: + 1 613 996 8982

Email: rschnarr@archives.ca

National Archives of Canada
395 Wellington StreetOttawa
Ontario
K1A 0N3
Canada

Project Editor

30.01.00.00.00

ISO/IEC 10032:1995

Prof Kohji Shibano

Phone: +81-3-5974-3813

Fax: +81-3-5974-3838

Email: shibano@aa.tufs.ac.jp

Institute for the Study of Languages and Cultures
Tokyo University of Foreign Studies
4-51-21 Nishigahara, Kita-kuTokyo
114-8580
Japan

Convenor

Shiratori Takaaki

Phone: +81-46-215-3340

Fax:

Email: Shirator@jp.ibm.com

IBM Japan

Project Editor

ISO/IEC AWI 13249-1

Project Editor

64.01.01.00.00

ISO/IEC FDIS 13249-1

