

# ISO/IEC JTC 1/SC 32 N 0784

Date: 2002-04-04

REPLACES: --

<p><b>ISO/IEC JTC 1/SC 32</b></p> <p><b>Data Management and Interchange</b></p> <p><b>Secretariat: United States of America (ANSI)</b></p> <p><b>Administered by Pacific Northwest National Laboratory on behalf of ANSI</b></p>
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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

**ISO/IEC JTC 1/SC 32 Data Management and Interchange  
Secretariat Report  
2002-04-04**

**Part 1 SC 32 Business Plan  
[See 32N0783]**

**Part 2 SC 32 Secretariat Report**

**2.1 P- and O-members and liaisons with other international**

**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	CSBTS	www.csbts.cn.net
Czech Republic	COSMT	www.csni.cz
Denmark	DS	www.ds.dk
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
Russian Federation	GOST R	www.gost.ru
Switzerland	SNV	www.snv.ch

**JTC 1/SC 32 Internal Liaisons**

ISO/IEC or CEN	Organization	Liaison to SC 32	Topic	Date Confirmed
CEN/ISSS EC	Information Society Standardization System	Luc Van den Berghe	Electronic Commerce	1998-10-15
CEN/ISSS MM	Information Society Standardization System	Luc Van den Berghe	Metadata for Multimedia	1998-10-15
CEN/TC 310 AMT	Advanced Manufacturing Technologies	Paul Leadbeater	Data	
IEC 93	Design Automation	Greg Ledenbach		

E-Mail	Date Confirmed
luc.vandenbergh@cenorm.be	1998-10-15
luc.vandenbergh@cenorm.be	1998-10-15
paul_leadbeater@bsi.org.uk	
greg.w ledenbach@intel.com	

ISO/IEC JTC 1/SC 2	Coded character sets		Coded character sets	1998-10-16
	Kohji Shibano (WG 4)	Kohji Shibano	kimura@itscj.ipsj.or.jp	
ISO/IEC JTC 1/SC 6	Telecommunications and information exchange between systems		ASN.1	
		Jean Shildneck	jshildne@ansi.org	
ISO/IEC JTC 1/SC 7	Systems Engineering -ODP & Modelling Languages		ODP & Modelling Languages	
	Mike Newton	Jean-Norman Drouin	jberube@ibm.net	
ISO/IEC JTC 1/SC	Software engineering/Life cycle management		Data definition and representation	
	Jean Berube	Jean Berube		
ISO/IEC JTC 1/SC 22	Programming languages			1998-10-15
	Frank Farance (WG2)	Isak Korn	isak@image.dk	
ISO/IEC JTC 1/SC	Programming languages/Internationalization		Internationalization	1998-10-15
	Jim Melton (WG3)	Arnold Winkler	arnold.winkler@unisys.com	
ISO/IEC JTC 1/SC 24	Computer Graphics and Image Processing			
	Open (WG4)	Mr Carlson		
ISO/IEC JTC 1/SC	Home Electronic Systems		Liaison is being justified and requested	
	Frank Farance (WG 2)			
ISO/IEC JTC 1/SC 27	IT Security Techniques		IT Security Techniques	
	Bruce Catley (WG5)	Krystyna Passia	passia@ni.din.de	
ISO/IEC JTC 1/SC 29	Coding of audio, picture, multimedia and hypermedia information			1999-10-21
	Jutta Kreyss (WG4)	Ms. Yukiko Ogura	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 (WG 3)		masonjd@ornl.gov	
ISO/IEC JTC 1/SC 35	User Interfaces		interfaces between users and system	2001-01-03
	Jake Knoppers (WG 1)	Jake Knoppers	France.lafargue@email.afnor.fr	
	Jake Knoppers (WG 2)			
ISO/IEC JTC 1/SC 36	Information Technology for Learning, Education & Training		Learning technology & Registry	
	Frank Farance (WG 2)	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)	Mrs C Galinski,	cgalinski@infoterm.org	
	Jake Knoppers (WG2)	ON Austria		
		Harvard Hjulstad (NO)		
ISO/TC 37/SC 2	Terminology and other language resources - Terminography and Lexicography			2001-10-15
	(WG 2)	Helen Hutcheson	Helen.Hutcheson@PWGSC.GC.CA	
		Johanne Marquis		
ISO/TC 37/SC 3	Terminology/Computer Applications			
		Mr. Gotfried Herzog,	Herzog@NABD.DIN.DE	
		DIN German		

ISO/TC 46	Information and documentation Jake Knoppers (WG 1)	Marie-Martine Guillaibert AFNOR	marie-martine.guillaibert@afnor.fr	1998-10-30
ISO/TC 46/SC 3	Information and documentation/ Terminology		isiri.infoc@neda.net	1998-10-30
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 (WG 2) Jake Knoppers (WG 1)			
ISO/TC 46/WG 2	Information and documentation/Coding of country names and related entities Jake Knoppers (WG1) Jake Knoppers (WG2)		Documents received thru TC 46	1998-10-30
ISO/TC 68	Banking, securities and other financial services Jake Knoppers (WG 1)		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 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 Andy Schoka (WG2) Paul Scarponcini (WG4)		Transportation, Spatial, & Registry arlan@sae.org / jbrandt@sae.org	1998-10-15
ISO/TC 211	Geographic information/Geomatics Martin Ford (WG2) Martin Ford (WG4) Jake Knoppers (WG 1) Jake Knoppers (WG 2) Shojiro Tanaka (WG 4)	John Herring Yves Hudon	Geographic Information bjs@nts.no / jrherrin@us.oracle.com	19981016
ISO/TC 215	Healthcare Informatics Joe Christensen (WG2)	Christopher Sedlacek	Healthcare Informatics csedlace@astm.org	

## JTC1/SC 32 External Liaisons

Organization		Topic	Date Confirmed
Category A	Liaison from SC 32	E-mail	
INTELSAT	International Telecommunications Satellite Organization Tokuo Oishi Colin Amor	colin.amor@intelsat.int	19981026
ISBT	International Society of Blood Transfusion WG 2		
ITU-T	International Telecommunication Union - Telecommunication Standardization Sector Wolfgang Wollaber	Conceptual Schema Modelling tsbedh@itu.int	

SITA	Societe Internationale de Telecommunications Aeronautiques (Airline Telecommunications & Information)		
UN/ECE/CEFACT Paul Levine (WG 1)	UN/Economic Commission for Europe/CEFACT Klaus-Dieter Naujok		
UNCTAD	United Nations Conference of Trade and Development		
<b>Category B</b> CEPT	<b>Liaisons</b> European Conference of Postal and Telecommunications Administrations		
CERN	European Organization for Nuclear Research		
CISAC	International Confederation of Societies of Authors and Composers Dominique Yon	Cisac@cisac.org	19981202
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 Jacques Littré	jacques.littre@swift.com	19981130
UNESA	UN-Under-Secretary for Economic and Social Affairs		
UPU	Universal Postal Union		
WIPO	World Intellectual Property Organization		
WMO	World Metrological Organization		19981210
<b>Category C</b> DCMI	<b>Liaisons</b> Dublin Core Metadata Initiative Frank Farance (WG 2)	Preparing justification and request	
Eurostat Dan Gillman	Eurostat Mr. Marco PELLEGRINO	Statistical metadata Marco.Pellegrino@cec.eu.int	2002-01

IEEE LTSC	Learning Technology Standards Committee		Preparing justification and request	
	Frank Farance			
OECD	Organisation for Economic Co-operation and Development		Statistical metadata	2002-01
	Dan Gillman	Denis WARD	denis.ward@oecd.org	
OG	Open Group			
OGC	Open GIS Consortium		SQL Spatial Extentions	19981016
	Mark Ashworth (WG 4)	Kurt Buehler Martin Ford	Kurt@opengis.org	
OMG	Object Management Group		Object Management	19981106
	Hajime Horiuchi (WG2)	Henry Lowe	henry@omg.org	
	Christoph Lingenfelder (WG4)			
W3C	World Wide Web Consortium		XML & Dublin Core	19981201
	Bruce Bargmeyer (WG 2)			
	Jake Knoppers (WG 2)			
	Jim Melton (WG 3)			
	Paul Cotton (WG 3)			
	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

### 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](http://www.tieke.fi/sc32wg1)

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

**News Email :** SC32WG2-news@nist.gov

## SC 32/WG 03 Database Languages

- To develop and maintain languages for the dynamic specification, maintenance and description of database structures and contents in multi-user and multi-server environments. The specifications may include the data types, behaviours 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.
- To develop and maintain languages that 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.
- To provide interfaces for the languages developed to other standard programming languages.
- To provide interfaces or access to other standards describing data types, behaviours or database content to users of the languages developed.

## 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.

## SC 32/WG 05 Database Access and Interchange [disbanded]

This Working Group was deleted in the Ballot 32N0735 that closed in March 2002

## 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"

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

### 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
<b>SC 32/RG 01</b>	<b>Maintenance of Data Management and Interchange Standards</b>					
SC 32/RG 01	Schnarr, Rick	NP	CD	FCD	FDIS	IS
1.32.01.01.00.00	[ 1799 / 90.60 ]	ISO/IEC 10032:1995				Published 1995-05
Information technology - Reference Model of Data Management						
						1995-05
SC 32/RG 01	Hadjoannou, John	NP	CD	FCD	FDIS	IS
1.32.05.02.00.00	[ 3061 / 60.60 ]	ISO/IEC9579:2000 ed 2				32N0339 Published 2000-02-15
Information technology - Remote database access for SQL (RDA/SQL). Edition 2.						

SC 32/RG 01	Hadjoannou, John	ISO/IEC FCD 9579 edition 3		32N0349
1.32.05.03.00.00	[ 3315 / 60.60 ]	FCD editing complete	FDIS expected	2002-03
Information technology - Remote database access for SQL (RDA/SQL) - Edition 3 (for SQL 1999)		1998-09	2002-03	2002-08
		1999-08		

SC 32/RG 01	Berube, Jean	ISO/IEC FCD 13238-1		32N0583
1.32.58.01.01.00	[ 2994 / 40.20 ]		FCD closed	2001-03-05
Information technology - Data Management Export/Import Facilities - Part 1: Standardization Framework		1997-09	2000-10	2002-12
		1997-09	2000-10	

## SC 32/WG 01 Open-edi

		NP	CD	FCD	FDIS	IS
SC 32/WG 01	Levine, Paul	ISO/IEC FDIS 15944-1				32N0740
1.32.31.01.01.00	[ 3332 / 40.20 ]				FDIS to ITTF	2001-08-15
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	

SC 32/WG 01	Levine, Paul	ISO/IEC WD 15944-2				WD 2001-08
1.32.31.01.02.00	[ 3332 / 20.00 ]					2004-03
Information technology - Business Agreement Semantic Descriptive Techniques Part 2: Registration of Scenarios and their Components			2002-04	2003-03	2003-09	

SC 32/WG 01	Levine, Paul	ISO/IEC AWI 15944-3				CD expected 2001-12
1.32.31.01.03.00	[ 3332 / 20.00 ]					2004-05
Information technology - Business Agreement Semantic Descriptive Techniques Part 3: Open-edi Description Techniques			2002-09	2003-06	2003-12	

SC 32/WG 01	McCarthy, William	ISO/IEC AWI 15944-4				Justification Sent to JTC 1
1.32.31.01.04.00	[ / 10.00 ]					2004-05
Information technology - Business Agreement Semantic Descriptive Techniques Part 4: Business Transaction Scenarios - Accounting and Economic Ontology			2002-09	2003-06	2003-12	

SC 32/WG 01	Pelkonen, Hannu	ISO/IEC 14662:1997				Published 1997-12
1.32.30.01.00.00	[ 2515 / 60.60 ]					1997-12
Information technology - Open-Edi Reference Model						

SC 32/WG 01	Knoppers, Jake	ISO/IEC AWI 18038				CD expected 2001-10
1.32.20.01.00.00	[ 3082 / 20.20 ]					2003-06
Information technology - Identification and Mapping of Various Categories of Jurisdictional Domains			2002-05	2002-10	2003-03	

## SC 32/WG 02 Metadata

		NP	CD	FCD	FDIS	IS
SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-05				Awaiting Project Split Justification
1.32.17.01.05.00	[ / 20.00 ]					
Information technology - Metadata Registry - Bindings Part 5: Language Independent Procedure Calls		2000-10	2002-05			

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-04				Awaiting Project Split Justification
1.32.17.01.04.00	[ / 20.00 ]					
Information technology - Metadata Registry - Bindings Part 3: ASN.1		2000-10	2002-05			

SC 32/WG 02	Farance, Frank	ISO/IEC AWI 20944-03				Awaiting Project Split Justification
1.32.17.01.03.00	[ / 20.00 ]					
Information technology - Metadata Registry - Bindings Part 3: XML		2000-10	2002-05			

SC 32/WG 02 1.32.17.01.01.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 1: Conformance	Farance, Frank	ISO/IEC AWI 20944-01 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.17.01.08.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 8: Java	Farance, Frank	ISO/IEC AWI 20944-08 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.17.01.02.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 2: Language Independent Datatypes	Farance, Frank	ISO/IEC AWI 20944-02 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.17.01.09.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 9: Javascript	Farance, Frank	ISO/IEC AWI 20944-09 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.22.01.00.00 [ 0 / ] Framework for Registering Business Objects	Horiuchi, Hajime	2002-03	NWI approved 2002-03-21
SC 32/WG 02 1.32.17.01.06.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 6: C	Farance, Frank	ISO/IEC AWI 20944-06 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.17.01.07.00 [ / 20.00 ] Information technology - Metadata Registry - Bindings Part 3: C++	Farance, Frank	ISO/IEC AWI 20944-07 2000-10 2002-05	Awaiting Project Split Justification
SC 32/WG 02 1.32.02.02.00.00 [ 1654 / 60.60 ] Information processing systems - Concepts and Terminology for the Conceptual Schema and the Information Base	*to be defined*	ISO TR 9007:1987	Published 1987-07
SC 32/WG 02 1.32.40.01.00.00 [ 1798 / 90.93 ] Information technology - Information Resource Dictionary System (IRDS) Framework	Gradwell, David	ISO/IEC 10027:1990	Published 1990-06
SC 32/WG 02 1.32.41.01.00.00 [ 1882 / 90.93 ] Information technology - Information Resource Dictionary Systems (IRDS) Services Interface	Bourne, Tim	ISO/IEC 10728:1993	Published 1993-04
SC 32/WG 02 1.32.41.01.00.01 [ 2434 / 60.60 ] Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 1: C Language Binding	Gradwell, David	ISO/IEC 10728 :1993/Amd 1:1995	Published 1995-12
SC 32/WG 02 1.32.41.01.00.02 [ 2434 / 60.60 ] Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 2: Ada language binding	Colket, William	ISO/IEC 10728 :1993/Amd 2:1996	Published 1996-11
SC 32/WG 02 1.32.41.01.00.03 [ 2712 / 60.60 ] Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 3: CORBA IDL Binding	Gradwell, David	ISO/IEC 10728 :1993/Amd 3:1998	Published 1996-12

SC 32/WG 02 1.32.41.01.00.04 [ 2805 / 60.60 ] Information technology - Information Resource Dictionary System (IRDS) Service Interface - Amendment 4: Remote Procedure Call IDL Binding	Horiuchi, Hajini	ISO/IEC 10728 :1993/Amd 4:1998	Published 1998-05
SC 32/WG 02 1.32.14.02.01.00 [ 2577 / 60.60 ] Information technology - Structure for the identification of organizations and organization parts - Part 1: Identification of organization schemes	Takaaki Shiratori	ISO/IEC 6523-1:1998	Published 1998-12
SC 32/WG 02 1.32.14.02.02.00 [ 2577 / 60.60 ] Information technology - Structure for the identification of organizations and organization parts - Part 2: Registration of organization identification schemes	*to be defined*	ISO/IEC 6523-2:1998	Published 1998-12
SC 32/WG 02 1.32.21.01.00.00 [ 2769 / 90.92 ] Information technology - Specification of Data Value Domain	Newton, Judith	ISO/IEC TR 15452:2000	32N0228 Published 2000-02-15
SC 32/WG 02 1.32.10.01.00.00 [ 1121 / 90.92 ] Information interchange - Representation of human sexes	Knoppers, Jake	ISO 5218:1977	Published 1977-09
SC 32/WG 02 1.32.10.02.00.00 [ 3136 / 20.00 ] Information technology - Codes for the representation of human sexes (Revision of ISO 5218:1977)	Knoppers, Jake	ISO/IEC FCD 5218 1998-07 2001-04 2001-10	32N0734 FCD closes 2002-03-19 2002-02 2002-07 2001-04 2001-11
SC 32/WG 02 1.32.11.01.00.00 [ 1765 / 60.60 ] Information technology - Guidelines for the organization and representation of data elements for data interchange - Coding methods and principles	*to be defined*	ISO/IEC TR 9789:1994 type 3	Published 1994
SC 32/WG 02 1.32.19.01.00.00 [ 2365 / 90.20 ] Information technology - Representation of data elements values: Notation of the format	Thienot, Alain	ISO/IEC 14957:1996	Published 1996-12
SC 32/WG 02 1.32.15.01.01.00 [ 2349 / 90.92 ] Information technology - Specification and standardization of data elements - Part 1: Framework for the specification and standardization of data elements	Gillman, Dan	ISO/IEC 11179-1:1999	32N0243 Published 1999-12-01
SC 32/WG 02 1.32.15.01.02.00 [ 2317 / 90.92 ] Information technology - Specification and standardization of data elements - Part 2: Classification for data elements	Bargmeyer, Bruce	ISO/IEC 11179-2:2000	32N0245 Published 2000-03
SC 32/WG 02 1.32.15.01.03.00 [ 1918 / 90.92 ] Information technology - Specification and standardization of data elements - Part 3: Basic attributes of data elements	Gates, Ray	ISO/IEC 11179-3:1994	Published 1994-12
SC 32/WG 02 1.32.15.02.03.00 [ 3136 / 30.60 ] Information technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 3, Registry Metamodel (MDR3) (Revision of ISO/IEC 11179-3:1994)	Gates, Ray	ISO/IEC FCD 11179-3 1998-07 2001-05 2001-11 2000-06	32N0643 Deciding FCD2 or FDIS 2002-03 2002-06

SC 32/WG 02 1.32.15.01.04.00 [ 2378 / 90.92 ] Information technology - Specification and standardization of data elements - Part 4: Rules and guidelines for the formulation of data definitions	Bargmeyer, Bruce	ISO/IEC 11179-4:1995		Published 1995-07
SC 32/WG 02 1.32.15.01.05.00 [ 1758 / 90.92 ] Information technology - Specification and standardization of data elements - Part 5: Naming and identification principles for data elements	Newton, Judith	ISO/IEC 11179-5:1995		Published 1995-12
SC 32/WG 02 1.32.15.01.06.00 [ 1677 / 90.92 ] Information technology - Specification and standardization of data elements - Part 6: Registration of data elements	Ngo, Phong	ISO/IEC 11179-6:1997		Published 1997-04
SC 32/WG 02 1.32.16.01.03.00 [ 3533 / 20.00 ] Information technology - Achieving Metadata Registry Content Consistency - Part 3: Value Domains	Gillman, Dan	ISO/IEC PDTR 20943-3		N0756 PDTR ballot due 2002-05-05
SC 32/WG 02 1.32.16.01.00.00 [ 3434 / 30.60 ] Information technology - Achieving Metadata Registry Content Consistency - Part 1: Data elements	Newton, Judith	ISO/IEC FPDTR 20943-1		DTR expected 2001-12-31 2001-11 2002-03 2002-06 2001-05 2000-06 2001-05
SC 32/WG 02 1.32.15.02.01.00 [ 3534 / 20.20 ] Information Technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 1: Framework for the specification and standardization of administered items (Revision of ISO/IEC 11179-1:1999)	Gillman, Dan	ISO/IEC AWI 11179-1		CD expected 2001-10-30
SC 32/WG 02 1.32.15.02.02.00 [ 3534 / 20.00 ] Information technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 2: Classification for administered items (Revision of ISO/IEC 11179-2:2000)	Carpenter, Jim	ISO/IEC AWI 11179-2		WD expected 2002-02
SC 32/WG 02 1.32.15.02.02.00 [ 3534 / 20.00 ] Information technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 2: Classification for administered items (Revision of ISO/IEC 11179-2:2000)	Carpenter, Jim	ISO/IEC AWI 11179-2		WD expected 2002-02
SC 32/WG 02 1.32.15.02.04.00 [ 3534 / 20.00 ] Information Technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 4: Rules and guidelines for the formulation of data definitions (Revision of ISO/IEC 11179-4:1995)	Bargmeyer, Bruce	ISO/IEC CD 11179-4		32N0755 CD ballot closes 2002-04-30
SC 32/WG 02 1.32.15.02.05.00 [ 3534 / 20.00 ] Information Technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 5: Naming and identification principles for administered items (Revision of ISO/IEC 11179-5:1995)	Newton, Judith	ISO/IEC CD 11179-5		32N0754 CD ballot closes 2002-04-17

SC 32/WG 02	Ngo, Phong	ISO/IEC AWI 11179-6					
1.32.15.02.06.00	[ 3534 / 20.00 ]						WD expected 2002-02
Information Technology -- Data Management and Interchange -- Metadata Registries (MDR) - Part 6: Registration of administered items (Revision of ISO/IEC 11179-6:1997)		2002-05					
SC 32/WG 02	Bargmeyer, Bruce	ISO/IEC AWI 20943-2					WD expected 2002-02
1.32.16.01.02.00	[ 3533 / 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	[ 3305 / 20.20 ]						2nd WD by 2002-03-31, CD expected 2002-05
Information technology - IT enablement of coded domains		2002-05	2002-10	2003-03	2003-06		
SC 32/WG 02	Gates, Ray	ISO/IEC AWI 15452				32N0228	
1.32.21.02.00.00	[ 3534 / 20.00 ]						Awaiting 11179-3 may be replaced
Information technology - Specification of Data Value Domain (revision of TR 15452:2000)							
SC 32/WG 02	Wilcox, Terry	ISO/IEC 13238-3:1998				21N10899	
1.32.58.01.03.00	[ 2147 / 60.60 ]						Published 1998-12
Information technology - Data Management Export/Import Facilities - Part 3: Export/Import Facilities for IRDS							

### SC 32/WG 03 Database Languages

		NP	CD	FCD	FDIS	IS
SC 32/WG 03	Cannan, Stephen					
1.32.03.04.99.02	[ 0 / ]					
Information technology- Database languages - SQL - Technical Corrigendum 2 for SQL:1999				2001-12		2002-06
SC 32/WG 03	Melton, Jim					32N0737
1.32.03.04.13.00	[ 0 / ]					
Information technology --Database Language SQL - Part 13: SQL/JRT (for SQL:1999)		2000-10		2001-04 2001-04	FCD ballot Closed 2002-01 2001-12	2001-08-30 2002-05
SC 32/WG 03	Cannan, Stephen					32N0531
1.32.03.04.99.00	[ 3489 / 60.60 ]					
Information technology- Database languages - SQL - Technical Corrigendum 1 for SQL:1999/Cor 1:2000						Published 2000-12-21
SC 32/WG 03	Cannan, Stephen					32N0222
1.32.03.04.01.00	[ 2619 / 90.92 ]					
Information technology - Database Language SQL - Part 1: Framework						Published 1999-11-15
SC 32/WG 03	Melton, Jim					32N0379
1.32.03.04.01.01	[ 3473 / 60.00 ]					
Information technology- Database languages SQL - Amendment 1: SQL/OLAP (for SQL:1999)				ISO/IEC FDAM 9075 : Amd 1	FDAM snt to ITTF	2000-08-30 2000-12 2001-03
1999-11				1999-11	2000-08	
SC 32/WG 03	Cannan, Stephen					32N0223
1.32.03.04.02.00	[ 2619 / 90.92 ]					
Information technology - Database Language SQL - Part 2: Foundation (SQL:1999)						Published 1999-11-15
SC 32/WG 03	Cannan, Stephen					32N0261
1.32.03.04.03.00	[ 3060 / 90.92 ]					
Information technology - Database Language SQL - Part 3: Call-Level Interface						Published 1999-11-15
SC 32/WG 03	Cannan, Stephen					32N0224
1.32.03.04.04.00	[ 2986 / 90.92 ]					
Information technology - Database Language SQL - Part 4: Persistent Stored Modules						Published 1999-11-15

SC 32/WG 03 1.32.03.04.05.00 [ 2619 / 60.60 ] Information technology - Database Language SQL - Part 5: Language Bindings	Cannan, Stephen	ISO/IEC 9075-5:1999				32N0225 Published 1999-11-15
SC 32/WG 03 1.32.03.04.09.00 [ 3137 / 60.00 ] Information technology - Database Language SQL - Part 9: Management of External Data	Melton, Jim	ISO/IEC 9075-9:2001				32N0368 Published 2001-05-15
SC 32/WG 03 1.32.03.04.10.00 [ 3061 / 60.60 ] Information technology --Database Language SQL - Part 10: Object language bindings (for SQL:1999)	Melton, Jim	ISO/IEC 9075-10:2000				32N0475 Published 2000-11-01
SC 32/WG 03 1.32.53.01.04.00 [ 3491 / 20.00 ] Information technology - Data Management and Interchange - Encompassing Transaction	Sunday, Bob	ISO/IEC AWI 20606-3  1998-08	2002-06	2003-06		CD expected 2001-04 2003-12 2004-04
SC 32/WG 03 1.32.53.01.02.00 [ 3548 / 20.20 ] Information technology - Data Management and Interchange – Authorization and Audit	Hadjioannou, John	ISO/IEC CD 20606-1	2002-06	2003-06		FCD Expected 2001-04 2003-12 2004-04
SC 32/WG 03 1.32.03.05.01.00 [ 3413 / 30.20 ] Information technology - Database Languages - SQL - Part 1: Framework (SQL/Framework)	Melton, Jim	ISO/IEC FCD 9075-1	2001-01 2000-11	2002-02 2002-01		32N0742 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.02.00 [ 3413 / 30.20 ] Information technology - Database Languages - SQL - Part 2: Foundation (SQL/Foundation)	Melton, Jim	ISO/IEC FCD 9075-2	2001-01 2000-11	2002-02 2002-01		32N0743 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.03.00 [ 3413 / 30.20 ] Information technology - Database Languages - SQL - Part 3: Call-Level Interface (SQL/CLI)	Melton, Jim	ISO/IEC FCD 9075-3	2001-01 2000-11	2002-02 2002-01		32N0744 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.04.00 [ 3413 / 30.20 ] Information technology - Database Languages - SQL - Part 4: Persistent Stored Modules (SQL/PSM)	Melton, Jim	ISO/IEC FCD 9075-4	2001-01 2000-11	2002-02 2002-01		32N0745 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.09.00 [ 3413 / 30.20 ] Information technology - Database Languages - SQL - Part 9: Management of External Data (SQL/MED)	Melton, Jim	ISO/IEC FCD 9075-9	2001-02 2000-11	2002-02 2002-01		32N0746 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.10.00 [ 3413 / 30.20 ] Information technology --Database Languages - SQL - Part 10: Object language bindings (SQL/OLB)	Melton, Jim	ISO/IEC FCD 9075-10	2001-01 2001-11	2002-02 2002-01		32N0747 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.11.00 [ 3491 / 30.20 ] Information technology --Database Languages - SQL - Part 11: Information and Definition Schemas (SQL/Schemata)	Melton, Jim	ISO/IEC FCD 9075-11	2001-01 2000-11	2002-02 2002-01		32N0748 FCD ballot closes 2002-05-29 2003-02 2003-06
SC 32/WG 03 1.32.03.05.13.00 [ 3534 / 20.00 ] Information technology --Database Language SQL - Part 13: SQL/JRT (for SQL:200n)	Melton, Jim	ISO/IEC FDIS 9075-13		2002-01 2002-03	2003-02	32N0769 2003-06

SC 32/WG 03	Melton, Jim	ISO/IEC WD 9075-14			32N0634
1.32.03.05.14.00	[ 3534 / ]				FCD expected 2002-03
Information technology --Database Language SQL -		2000-10	2002-03	2003-02	2003-06
Part 14: SQL/XML (for SQL:200n)			2002-03		

## SC 32/WG 04 SQL Multimedia & Application Packages

		NP	CD	FCD	FDIS	IS
SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-5				32N0762
1.32.04.02.05.00	[ 3504 / 20.20 ]				FCD ballot closes	2002-07-29
Information technology - SQL Multimedia and			2001-06	2002-02	2002-09	2002-12
Application Packages - Part 5: Still Image 2nd			2001-05	2002-03		

SC 32/WG 04	Newton, Mike	ISO/IEC13249-1:2000				32N0469
1.32.04.01.01.00	[ 2148 / 60.60 ]				Published	2000-09-01
Information technology - SQL Multimedia and						
Application Packages - Part 1: Framework						

SC 32/WG 04	Newton, Mike	ISO/IEC FCD 13249-1				32N0736
1.32.04.02.01.00	[ 3412 / 20.00 ]				FCD ballot closed	2002-04-15
Information technology - SQL Multimedia and			2001-12	2001-02	2002-04	2002-08
Application Packages - Part 1: Framework 2nd ed.				2001-11		

SC 32/WG 04	Ashworth, Mark	ISO/IEC13249-2:2000				32N0467
1.32.04.01.02.00	[ 2805 / 60.60 ]				Published	2000-09-01
Information technology - SQL Multimedia and						
Application Packages - Part 2: Full -Text						

SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-2				32N0760
1.32.04.02.02.00	[ 3136 / 20.20 ]				FCD ballot closes	2002-07-29
Information technology - SQL Multimedia and			2001-06	2002-02	2002-09	2002-12
Application Packages - Part 2: Full-Text (Revision of			2001-05	2002-03		
ISO/IEC DIS 13249-2)						

SC 32/WG 04	Ashworth, Mark	ISO/IEC 13249-3:1999				32N0229
1.32.04.01.03.00	[ 2805 / 60.60 ]				Published	1999-12-01
Information technology - SQL Multimedia and						
Application Packages - Part 3: Spatial						

SC 32/WG 04	Ashworth, Mark	ISO/IEC FCD 13249-3				32N0761
1.32.04.02.03.00	[ 3136 / 20.20 ]				FCD ballot closes	2002-07-29
Information technology - SQL Multimedia and			2001-06	2002-02	2002-09	2002-12
Application Packages - Part 3: Spatial 2nd Edition			2001-05	2002-03		

SC 32/WG 04	Ashworth, Mark	ISO/IEC 13249-5:2001				32N0605
1.32.04.01.05.00	[ 3061 / 50.20 ]				Published	2001-05-01
Information technology - SQL Multimedia and						
Application Packages - Part 5: Still Image						

SC 32/WG 04	Lingenfelder, Christoph	ISO/IEC FCD 13249-6				32N0647
1.32.04.01.06.00	[ 3412 / 30.60 ]				FCD ballot closed	2001-10-05
Information technology - Database languages - SQL			2000-12	2001-07	2002-04	2002-08
Multimedia and Application Packages - Part 6: Data			2000-11	2001-05		
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ISO/IEC WD 9075-14  
ISO/IEC FDIS 9075-13  
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