

ISO/IEC JTC 1/SC 32 N 0580

Date: 2000-10-11

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DOCUMENT TYPE	Other Document (Open)
TITLE	Notes for Presentation on 18022 and 18038 to joint meeting of SC32 WG1 & WG2 (Helsinki, 2000-10-11)
SOURCE	Jake Knoppers
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**Notes for Presentation on 18022 and 18038 to joint meeting of SC32
WG1 & WG2 (Helsinki, 2000-10-11) by Jake Knoppers**

References: SC32 N 0534 & N535

**as well as Presentation to TC211 (Reston Meeting) on
ISO/IEC 11179 by Dan Gillman (Editor, 11179-1 and Chair
NCITS/L8)**

- 1. Introduction to SC32 N0534 and 18022 including request to SC32 members (See “A” below)**

- 2. Linkage of 18022 to 18038, i.e. the latter serving as a “case study”**

- 3. Resolutions Requested from WG1, WG2 and SC32
(See “B” below. Based on SC32 N535, sections T.C, T.D & T.E)**

- 4. Walkthrough of N0535 and Lessons Learned
(See below extracts B.1, C.1, C.2 and C.3)**

- 5. Introduction to “data domain” as a bridge between 11179 work focussed on “data element” and 15944 work focussed on “business transaction” and “information bundle” and “semantic component”.**

“A” 1. Introduction to SC32 N0534 and 18022 including request to SC32

ISO/IEC JTC 1/SC32 N 0534

Date: 2000-10-02

DOCUMENT TYPE	
TITLE	Status of the Work on the New ISO/IEC 18022 <i>Identification Mapping, and IT-enablement of Standards for Widely Used Coded Value Domains</i>
SOURCE	Project Editor, Dr. Jake V.Th. Knoppers [E-mail: mpereira@istar.ca]
ISO/IEC PROJECT NUMBER	1.32.18.01.00.00
STATUS	Informative Report for Discussion at the SC32/WG2 Meeting, Helsinki, 9-13 October, 2000. [Note: Given the linkage of this standard to work of SC32/WG1 and particularly that of new ISO/IEC 10838, a joint working WG1/WG2 session has been scheduled in Helsinki Wednesday, 11 October, 2000 09:00 - 10:00]
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Project Editor Notes to JTC1/SC32/WG2

1. Document JTC1/SC32 **N0486**, 2000-06-02 titled "Progression on Development of the New Standard "Identification, Mapping and IT-enablement of Standards for Widely Used Coded Value Domains" contains the working principles for the development of the new ISO/IEC 10822 standard as approved by SC32/WG2 at its 16-19 May, 2000 New York City meeting. An immediate priority here is agreement on a common set of terms/definitions. {See further below draft "Annex A (Normative) Consolidated List of Terms and Definitions with Cultural Adaptability: English and French Language Equivalency".

2. Standards development work on ISO/IEC 18022 is dependent on and must be harmonized with that of ISO/IEC 11179 "*Information technology -- Specification and standardization of data elements*". This is a six-part standard consisting of the following parts; namely:
 - Part 1 - Framework for the specification and standardization of data elements
 - Part 2 - Classification for data elements
 - Part 3 - Basic attributes of data elements
 - Part 4 - Rules and guidelines for the formulation of data definitions
 - Part 5 - Naming and identification principles for data elements
 - Part 6 - Registration of data elements.

3. Here, Part 1 was issued as an ISO/IEC standard 1999-12-01. In addition, Part 3 first issued in 1994 is undergoing its five year cyclical revision.

Work on Part 3 has resulted in SC32/WG2 putting out for CD ballot {See document SC32 N490} a document which differs substantially with the present scope and orientation not only of the existing 11179-3 standard but which also impacts the other parts of ISO/IEC 11179.

4. The current lack of stability, focus of proposed revised 11179-3 and its harmonization with the other existing parts of the ISO/IEC 11179 set of standards have necessitated putting in abeyance standards development work on ISO/IEC 18022.

5. It is hoped (a) that at the SC32/WG2 meetings in Helsinki, 5-13 October, 2000, fundamental issues pertaining to proposed ISO/IEC 11179-3 and the existing ISO/IEC 11179 Parts 1, 2 4, 5 and 6 can be resolved; and, (b) as a result further development work on ISO/IEC 18022 can progress rapidly.

6. In the meantime, the rest of this document includes a draft Annex A (Normative) titled "Consolidated List of Terms and Definitions with Cultural Adaptability: English and French Language Equivalency" of terms and definitions to be included in this standard.

SC32/WG2 members (and others) are requested to review these terms and definitions and provide comments with respect to:

- (1) whether a term/definition should not be included in the ISO/IEC 18022 standard and if so provide a rationale;
- (2) whether additional terms/definitions should be included in the ISO/IEC 18022 standard and if so, specify the same and provide a rationale.

7. It is noted that there is a close interworking between this new ISO/IEC 18022 and new ISO/IEC 18038. Readers of this SC32 N0534 document are encouraged to review and comment on SC32 N0535.
8. Finally, expert contributions on this new ISO/IEC 18022 are most welcome.

2. Linkage of 18022 to 18038, i.e. the latter serving as a “case study”

ISO/IEC JTC 1/SC 32 N 0535

Date: 2000-10-02

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	Other Document (Open)
TITLE	Approach to Development of the New ISO/IEC 18038 <i>Identification and Mapping of Various Categories of Jurisdictional Domains</i>
SOURCE	Project Editor, Dr. Jake V.Th. Knoppers [E-mail: mpereira@istar.ca]
PROJECT NUMBER	1.32.20.01.00.00
STATUS	Informative Report for Discussion at the SC32/WG1 Meeting, Helsinki, 9-13 October, 2000.
REFERENCES	
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LANGUAGE USED	English
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3. Resolutions Requested from WG1, WG2 and SC32

(See “B” below. Based on SC32 N535, sections T.C, T.D & T.E)

T.C PROPOSED DRAFT RESOLUTIONS FOR HELSINKI MEETING OF SC32/WG1

- T.C.1 SC32/WG1 requests its members to review document SC32 N0535 and to provide contributions, i.e., comments, criticism, suggestions, etc., directly to the Project Editor, no later than 30 November, 2000 for incorporation into an initial Working Draft (WD) version of ISO/IEC 18038.
- T.C.2 SC32/WG1 requests the Project Editor for ISO/IEC 18038 to incorporate contributions received from SC32/WG1 experts into a new document no later than 31 December, 2000.
- T.C.3 SC32/WG1 requests its Secretariat to distribute this "new document" to all entities identified for liaison purposes in the proposal for this NWI {See JTC1 N6204 as well as such other entities identified by SC32/WG1. [It is assumed that the Project Editor will provide the appropriate text for these liaisons]}.

T.D PROPOSED DRAFT RESOLUTIONS FOR HELSINKI MEETING OF SC32/WG2

- T.D.1 SC32/WG2 appreciates the close cooperation of SC32/WG1 in its standards development work on ISO/IEC 18038.
- T.D.2 SC32/WG2 encourages its members to review document SC32 N0534 and provide contributions, i.e., comments, criticisms, suggestions, etc., directly to the Project Editor no later than 30 November, 2000.
- T.D.3 SC32/WG2 members look forward to receiving a copy of a revised document, (e.g., as an initial WD for ISO/IEC 18028) expected to be ready end December, 2000 for distribution to its members.

T.E PROPOSED DRAFT RESOLUTIONS FOR HELSINKI MEETING OF SC32

Note(s):

In trying to develop a systematic approach, the Project Editor has to contact many organizations. Individuals within these organizations are quite willing to provide information and often are also aware of the issues.

However, many are unaware of ISO/IEC Committees, what is a Project Editor, are willing to pursue the matter within their organization but need to have written documentation on the context, mandate, etc., of this standards development work, etc.

It would greatly assist the Project Editor for ISO/IEC 18022 and 18038 for as rapid development as possible of this standard, if ISO/IEC JTC1/SC32 would adopt the following resolution (draft) text for which is provided below as follows:

"Given the need for effective, efficient and systematic interworking among ISO 3166 and ISO/IEC 18038 standards as well as with the UN Statistical Division in order to facilitate interoperability, cultural adaptability and IT-enablement in support of e-commerce (e-business, e-government, etc.), ISO/IEC JTC1/SC32 mandates the Project Editor for new ISO/IEC 18038 (and ISO/IEC 18022), Dr. Jake V. Th. Knoppers to explore and develop a mutually acceptable cooperative working solution for the maintenance of ISO 3166-1, ISO/IEC 18038 and the UN Statistical Division, and failing the ability to develop such a mutually acceptable approach, be instructed to develop alternative solution(s)".

"Given the fact that this issue also impacts parties whose participation and cooperation is necessary for interoperability and cultural adaptability in support of global e-commerce, ISO/IEC JTC1/SC32 mandates its Project Editor for new ISO/IEC 18038 (and ISO/IEC 18022), Dr. Jake V. Th. Knoppers, to explore opportunities for interworking of these two new ISO/IEC standards with the World Customs Organization (WCO), the International Telecommunications Union (ITU), World Trade Organization (WTO), International Civil Aviation Association (ICAO), ICANN, and others similar organizations for whom "jurisdiction" and "e-commerce", "e-business", "e-government", etc., is deemed to be important and requires interoperability and cultural adaptability from a global perspective".

6. Walkthrough of N0535 and Lessons Learned (See below extracts B.1, C.1, C.2 and C.3)

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ANNEX B (NORMATIVE)	-	IDENTIFICATION AND MAPPING OF "COUNTRIES" AS JURISDICTIONS ON A <u>PEER-TO-PEER</u> BASIS
Annex B.1 (Normative)	-	Issues to be Resolved and Approach Taken
Annex B.2 (Normative)	-	Matrix-Based Approach and Explanatory Notes on Components of the Matrix (e.g., Rows and Columns)
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**C.2.3 MATRIX OF CODES REPRESENTING "ADMINISTRATIVE SUBDIVISIONS"
AS JURISDICTIONS FORMING PART OF CANADA (simple)**

IT Interface				Human Interface Linguistic Equival		
ISO 3166-1		ISO 3166-2	Jurisdictional	English (en)	French (fr)	(Re Latin-1)
Numeric Code	2-Alpha Code	2-Alpha Code	Category Code			
(01)	(02)	(03)	(04)	(05)	(06)	
124	CA	AB	1	Alberta	Alberta	Alberta
124	CA	BC	1	British Columbia	Colombie-Britannique	British Co
124	CA	MB	1	Manitoba	Manitoba	Manitoba
124	CA	NB	1	New Brunswick	Nouveau-Brunswick	New Brun
124	CA	NF	1	Newfoundland	Terre-Neuve	Newfound
124	CA	NT	2	Northwest Territories	Territoires du Nord-Ouest	Nunattiaq
124	CA	NS	1	Nova Scotia	Nouvelle-Écosse	Nova Sco
124	CA	NU	2	Nunavut	Nunavut	Nunavut
124	CA	ON	1	Ontario	Ontario	Ontario
124	CA	PE	1	Prince Edward Island	Île-du-Prince-Édouard	Prince Ed Island
124	CA	QC	1	Quebec	Québec	Quebec
124	CA	SK	1	Saskatchewan	Saskatchewan	Saskatche
124	CA	YT	2	Yukon Territory	Territoire du Yukon	Yukon Te

C.2.3 MATRIX OF CODES REPRESENTING "ADMINISTRATIVE SUBDIVISIONS" AS JURISDICTIONS FORMING PART OF CANADA

(with cols as separately referenceable value domains)

IT Interface				Human Interface Linguistic Equival		
ISO 3166-1		ISO 3166-2	Jurisdictional	“3166-1:124;;en;...”	“3166-1:124;;fr;...”	“3166-1:124;;en;...”
Numeric Code	2-Alpha Code	2-Alpha Code	Category Code	English (en)	French (fr)	(Roman Latin-1 E
(01)	(02)	(03)	(04)	(05)	(06)	(07)
124	CA	AB	1	Alberta	Alberta	Alberta
124	CA	BC	1	British Columbia	Colombie-Britannique	British Col
124	CA	MB	1	Manitoba	Manitoba	Manitoba
124	CA	NB	1	New Brunswick	Nouveau-Brunswick	New Bruns
124	CA	NF	1	Newfoundland	Terre-Neuve	Newfoundl
124	CA	NT	2	Northwest Territories	Territoires du Nord-Ouest	Nunattiaq
124	CA	NS	1	Nova Scotia	Nouvelle-Écosse	Nova Scoti
124	CA	NU	2	Nunavut	Nunavut	Nunavut
124	CA	ON	1	Ontario	Ontario	Ontario
124	CA	PE	1	Prince Edward Island	Île-du-Prince-Édouard	Prince Edw
124	CA	QC	1	Quebec	Québec	Quebec
124	CA	SK	1	Saskatchewan	Saskatchewan	Saskatchev
124	CA	YT	2	Yukon Territory	Territoire du Yukon	Yukon Ter

C.3.3 MATRIX OF CODES REPRESENTING "ADMINISTRATIVE SUBDIVISIONS" AS JURISDICTIONS FORMING PART OF MEXICO

IT Interface				Human Interface Linguistic Eq	
ISO 3166-1		ISO 3166-2	Jurisdictional Category Code	(Mexican)	English
Numeric Code	2-Alpha Code	3-Alpha Code		Spanish (es) <i>[484;es]</i>	
(01)	(02)	(03)	(04)	(05)	(06)
484	MX	AGU	1	Aguascalientes	
484	MX	BCN	1	Baja California	
484	MX	BCS	1	Baja California Sur	
484	MX	CAM	1	Campeche	
484	MX	COA	1	Coahuila (de Zaragoza)	
484	MX	COL	1	Colima	
484	MX	CHP	1	Chiapas	
484	MX	CHH	1	Chihuahua	
484	MX	DIF	2	Distrito Federal	Federal District
484	MX	DUR	1	Durango	
484	MX	GUA	1	Guanajuato	
484	MX	GRO	1	Guerrero	
484	MX	HID	1	Hidalgo	
484	MX	JAL	1	Jalisco	
484	MX	MEX	1	México	
484	MX	MIC	1	Michoacán (de Ocampo)	
484	MX	MOR	1	Morelos	
484	MX	NAY	1	Nayarit	
484	MX	NLE	1	Nuevo León	
484	MX	OAX	1	Oaxaca	
484	MX	PUE	1	Puebla	
484	MX	QUE	1	Querétaro (de Arteaga)	
484	MX	ROO	1	Quintana Roo	
484	MX	SLP	1	San Luis Potosí	
484	MX	SIN	1	Sinaloa	
484	MX	SON	1	Sonora	
484	MX	TAB	1	Tabasco	
484	MX	TAM	1	Tamaulipas	

C.4.4 CONCORDANCE TABLE OF SETS OF CODES REPRESENTING "ADMINISTRATIVE SUBDIVISIONS" OF THE UNITED STATES OF AMERICA (USA) AS STATED IN FIPS STANDARDS

Human Interface Equivalent Term (English) (01)	3166-1		3166-2		FIPS 10-4 (06)	FIPS 5-2				FIPS 6-4		
	Numeri c (02)	2- Alph a (03)	Jur. Cat. (04)	2-Alpha (05)		Jur. Cat. (07)	Numeri c (08)	2- Alph a (09)	Statu s (10)	2-Alpha (11)	Numeri c (12)	Status (13)
Alabama	840	US	1	US-AL	US01	1	01	AL		AL	01	1¹
Alaska	840	US	1	US-AK	US02	1	02	AK		AK	02	1
American Samoa	016	AS	2	US-AS	AQ	2	60	AS	1²	AS	60	2
Arizona	840	US	1	US-AZ	US04	1	04	AZ		AZ	04	1
Arkansas	840	US	1	US-AR	US05	1	05	AR		AR	05	1
California	840	US	1	US-CA	US06	1	06	CA		CA	06	1
Colorado	840	US	1	US-CO	US08	1	08	CO		CO	08	1
Connecticut	840	US	1	US-CT	US09	1	09	CT		CT	09	1
Delaware	840	US	1	US-DE	US10	1	10	DE		DE	10	1
District of Columbia	840	US	2	US-DC	US11	1	11	DC		DC	11	1
Federated States of Micronesia	583	FM	3	n/a⁴	FM	2	64	FM	3	FM	64	3

¹These status codes as provided in FIPS PUB 6-4 "Index of Codes for FIPS 6-4 including the Index of Appendix A & B" are as follows:

- Code 1 = States
- Code 2 = (from Appendix A) County-Equivalent Entities of the US Possessions
- Code 3 = (from Appendix B) County-Equivalent Entities of the Freely Associated States

²The status codes as provided in FIPS 52 Table 2 "FIPS State Codes for the Outlying Areas of the United States, the Freely Associated States, and Trust Territory" are as follows:

- Code 1 = Under U.S. Sovereignty
- Code 2 = An aggregation of nine US territories: Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island. Each territory is assigned a FIPS County Code in FIPS PUB 6-3, and may individually identified through a combination of the FIPS State Code (74 or UM) and the appropriate FIPS County Code.
- Code 3 = A Compact of Free Association with the United States of America is now in full force. It was announced by Presidential proclamation on November 3, 1986.
- Code 4 = Trust territory.

³* = Canadian French

Human Interface Equivalent Term (English) (01)	3166-1		3166-2		FIPS 10-4 (06)	FIPS 5-2				FIPS 6-4		
	Numeri c (02)	2- Alph a (03)	Jur. Cat. (04)	2-Alpha (05)		Jur. Cat. (07)	Numeri c (08)	2- Alpha (09)	Statu s (10)	2-Alpha (11)	Numeri c (12)	Status (13)
- Kosrae	n/a	n/a	n/a	n/a	FM01	n/a	n/a	n/a	n/a	n/a	n/a	n/a
- Pohnpei	n/a	n/a	n/a	n/a	FM02	n/a	n/a	n/a	n/a	n/a	n/a	n/a
- Chuuk	n/a	n/a	n/a	n/a	FM03	n/a	n/a	n/a	n/a	n/a	n/a	n/a
- Yap	n/a	n/a	n/a	n/a	FM04	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Florida	840	US	1	US-FL	US12	1	12	FL		FL	12	1
Georgia	840	US	1	US-GA	US13	1	13	GA		GA	13	1
Guam	316	GU	3	US-GU	GQ	2	66	GU	1	GU	66	2
Hawaii	840	US	1	US-HI	US15	1	15	HI		HI	15	1
Idaho	840	US	1	US-ID	US16	1	16	ID		ID	16	1
Illinois	840	US	1	US-IL	US17	1	17	IL		IL	17	1
Indiana	840	US	1	US-IN	US18	1	18	IN		IN	18	1
Iowa	840	US	1	US-IA	US19	1	19	IA		IA	19	1
Kansas	840	US	1	US-KS	US20	1	20	KS		KS	20	1
Kentucky	840	US	1	US-KY	US21	1	21	KY		KY	21	1
Louisiana	840	US	1	US-LA	US22	1	22	LA		LA	22	1
Maine	840	US	1	US-ME	US23	1	23	ME		ME	23	1
Marshall Islands	584	MH	3	n/a ⁶	RM	2	68	MH	3	MH	68	3
Maryland	840	US	1	US-MD	US24	1	24	MD		MD	24	1
Massachusetts	840	US	1	US-MA	US25	1	25	MA		MA	25	1
Michigan	840	US	1	US-MI	US26	1	26	MI		MI	26	1
Minnesota	840	US	1	US-MN	US27	1	27	MN		MN	27	1
Mississippi	840	US	1	US-MS	US28	1	28	MS		MS	28	1
Missouri	840	US	1	US-MO	US29	1	29	MO		MO	29	1
Montana	840	US	1	US-MT	US30	1	30	MT		MT	30	1
Nebraska	840	US	1	US-NE	US31	1	31	NE		NE	31	1
Nevada	840	US	1	US-NV	US32	1	32	NV		NV	32	1
New Hampshire	840	US	1	US-NH	US33	1	33	NH		NH	33	1
New Jersey	840	US	1	US-NJ	US34	1	34	NJ		NJ	34	1

⁴There is no code provided in 3166-2 for this entity.

⁵ ** = ISO French

⁶There is no code for this entity in ISO 3166-2.

Human Interface Equivalent Term (English) (01)	3166-1		3166-2		FIPS 10-4 (06)	FIPS 5-2				FIPS 6-4		
	Numeri c (02)	2- Alph a (03)	Jur. Cat. (04)	2-Alpha (05)		Jur. Cat. (07)	Numeri c (08)	2- Alpha (09)	Statu s (10)	2-Alpha (11)	Numeri c (12)	Status (13)
New Mexico	840	US	1	US-NM	US35	1	35	NM		NM	35	1
New York	840	US	1	US-NY	US36	1	36	NY		NY	36	1
North Carolina	840	US	1	US-NC	US37	1	37	NC		NC	37	1
North Dakota	840	US	1	US-ND	US38	1	38	ND		ND	38	1
Northern Mariana Islands	580	MP	3	US-MP	CQ	2	69	MP	1	MP	69	2
Ohio	840	US	1	US-OH	US39	1	39	OH		OH	39	1
Oklahoma	840	US	1	US-OK	US40	1	40	OK		OK	40	1
Oregon	840	US	1	US-OR	US41	1	41	OR		OR	41	1
Palau	585	PW	3	n/a ⁷	PS ⁸	2	70	PW	4	PW	70	2
Pennsylvania	840	US	1	US-PA	US42	1	42	PA		PA	42	1
Puerto Rico	630	PR	3	US-PR	RQ	2	72	PR	1	PR	72	2
Rhode Island	840	US	1	US-RI	US44	1	44	RI		RI	44	1
South Carolina	840	US	1	US-SC	US45	1	45	SC		SC	45	1
South Dekota	840	US	1	US-SD	US46	1	46	SD		SD	46	1
Tennessee	840	US	1	US-TN	US47	1	47	TN		TN	47	1
Texas	840	US	1	US-TX	US48	1	48	TX		TX	48	1
United States Minor Outlying Islands	581	UM	3	US-UM	n/a	2	74	UM	2	UM	74	2
- Baker Island	n/a	n/a	n/a	n/a	FQ	n/a	81	n/a	n/a	n/a	n/a	n/a
- Howland Island	n/a	n/a	n/a	n/a	HQ	n/a	84	n/a	n/a	n/a	n/a	n/a
- Jarvis Island	n/a	n/a	n/a	n/a	DQ	n/a	86	n/a	n/a	n/a	n/a	n/a
- Johnston Atoll	n/a	n/a	n/a	n/a	JQ	n/a	67	n/a	n/a	n/a	n/a	n/a
- Kingman Reef	n/a	n/a	n/a	n/a	KQ	n/a	89	n/a	n/a	n/a	n/a	n/a
- Midway	n/a	n/a	n/a	n/a	MQ	n/a	71	n/a	n/a	n/a	n/a	n/a

⁷This is no code in 3166-2 for this entity.

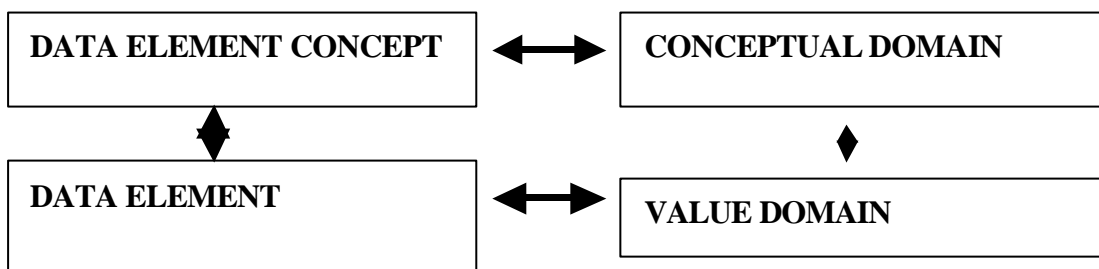
⁸FIPS 10-4 Term English = Trust Territory of the Pacific Islands (Palau)

Country	IT Interface Codes			Jurisdictional Codes				Human Development		
	Numeric Codes	Alpha - 2 Code	Alpha - 3 Code	UN Status Code	UN Member Date	ISO Status Code	ISO Dep. Code	Short Name - English	Short Name - French	Official Name - English
(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)
1	004	AF	AFG	1	1946-11-19	1	004	Afghanistan	Afghanistan	Islamic State of Afghanistan
2	008	AL	ALB	1	1955-12-14	1	008	Albania	Albanie	Republic of Albania
3	010	AQ	ATA	0		?	010?	Antarctica	Antarctique	
4	012	DZ	DZA	1	1962-10-08	1	012	Algeria	Algérie	People's Democratic Republic of Algeria
5	016	AS	ASM	9		2/3?	840	American Samoa	Samoa américaines	
6	020	AD	AND	1	1993-07-28	1	020	Andorra	Andorre	Principality of Andorra
7	024	AO	AGO	1	1976-12-01	1	024	Angola	Angola	Republic of Angola
8	028	AG	ATG	1	1981-11-11	1	028	Antigua and Barbuda	Antigua-et-Barbuda	
9	031	AZ	AZE	1	1992-03-09	1	031	Azerbaijan	Azerbaïdjan	Azerbaijan
10	032	AR	ARG	1	1945-10-24	1	032	Argentina	Argentine	Argentine
11	036	AU	AUS	1	1945-11-01	1	036	Australia	Australie	
12	040	AT	AUT	1	1955-12-14	1	040	Austria	Autriche	Republic of Austria
13	044	BS	BHS	1	1973-09-18	1	044	Bahamas	Bahamas	Commonwealth of the Bahamas
14	048	BH	BHR	1	1971-09-21	1	048	Bahrain	Bahreïn	State of Bahrain
15	050	BD	BGD	1	1974-09-17	1	050	Bangladesh	Bangladesh	People's Republic of Bangladesh
16	051	AM	ARM	1	1992-03-	1	051	Armenia	Arménie	Republic of Armenia

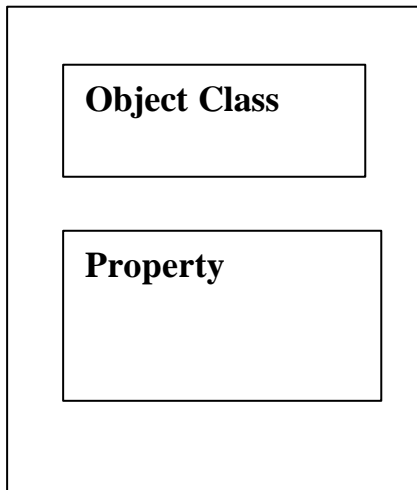
Country	IT Interface Codes			Jurisdictional Codes				Human		
	Numeric Codes	Alpha - 2 Code	Alpha - 3 Code	UN Status Code	UN Member Date	ISO Status Code	ISO Dep. Code	Short Name - English	Short Name - French	Official Name - English
(01)	(02)	(03)	(04)	(05)	(06)	(07)	(08)	(09)	(10)	(11)
					02					
17	052	BB	BRB	1	1966-12-09	1	052	Barbados	Barbade	
18	056	BE	BEL	1	1945-12-27	1	056	Belgium	Belgique	Kingdom of Belgium
19	060	BM	BMU	9		?/3	? 826	Bermuda	Bermudes	
20	064	BT	BTN	1	1971-09-21	1	064	Bhutan	Bhoutan	Kingdom of Bhutan
21	068	BO	BOL	1	1945-11-14	1	068	Bolivia	Bolivie	Republic of Bolivia
22	070	BA	BIH	1	1992-05-22	1	070	Bosnia and Herzegovina	Bosnie-Herzégovine	Republic of Bosnia and Herzegovina
23	072	BW	BWA	1	1966-10-17	1	072	Botswana	Botswana	Republic of Botswana
24	074	BV	BVT	9		?/3	? 578	Bouvet Island	Bouvet, Île	
25	076	BR	BRA	1	1945-10-24	1	076	Brazil	Brésil	Federative Republic of Brazil
26	084	BZ	BLZ	1	1981-09-25	1	084	Belize	Belize	
27	086	IO	IOT	9		?/3	? 826	British Indian Ocean Territory	Océan Indien, Territoire britannique de l'océan Indien	
28	090	SB	SLB	1	1978-09-19	1	090	Solomon Islands	Salomon, Îles	
29	092	VG	VGB	9		?/3	826	Virgin Islands, British	Îles Vierges, britanniques	British Virgin Islands
30	096	BN	BRN	1	1984-09-21	1	096	Brunei Darussalam	Brunéi Darussalam	
31	100	BG	BGR	1	1955-12-14	1	100	Bulgaria	Bulgarie	Republic of Bulgaria

5. Introduction to “data domain” as a bridge between 11179 work focussed on “data element” and 15944 work focussed on “business transaction” and “information bundle” and “semantic component

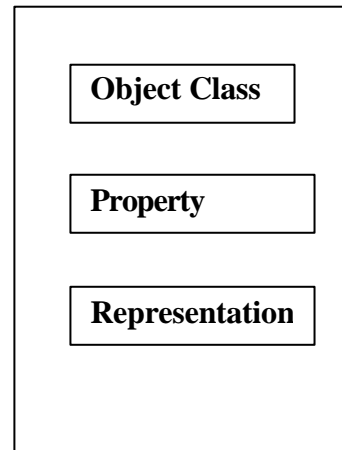
Focus of 11179 -> data element (from Dan Gilman TC211 presentation)



Data Element Concept



Data Element

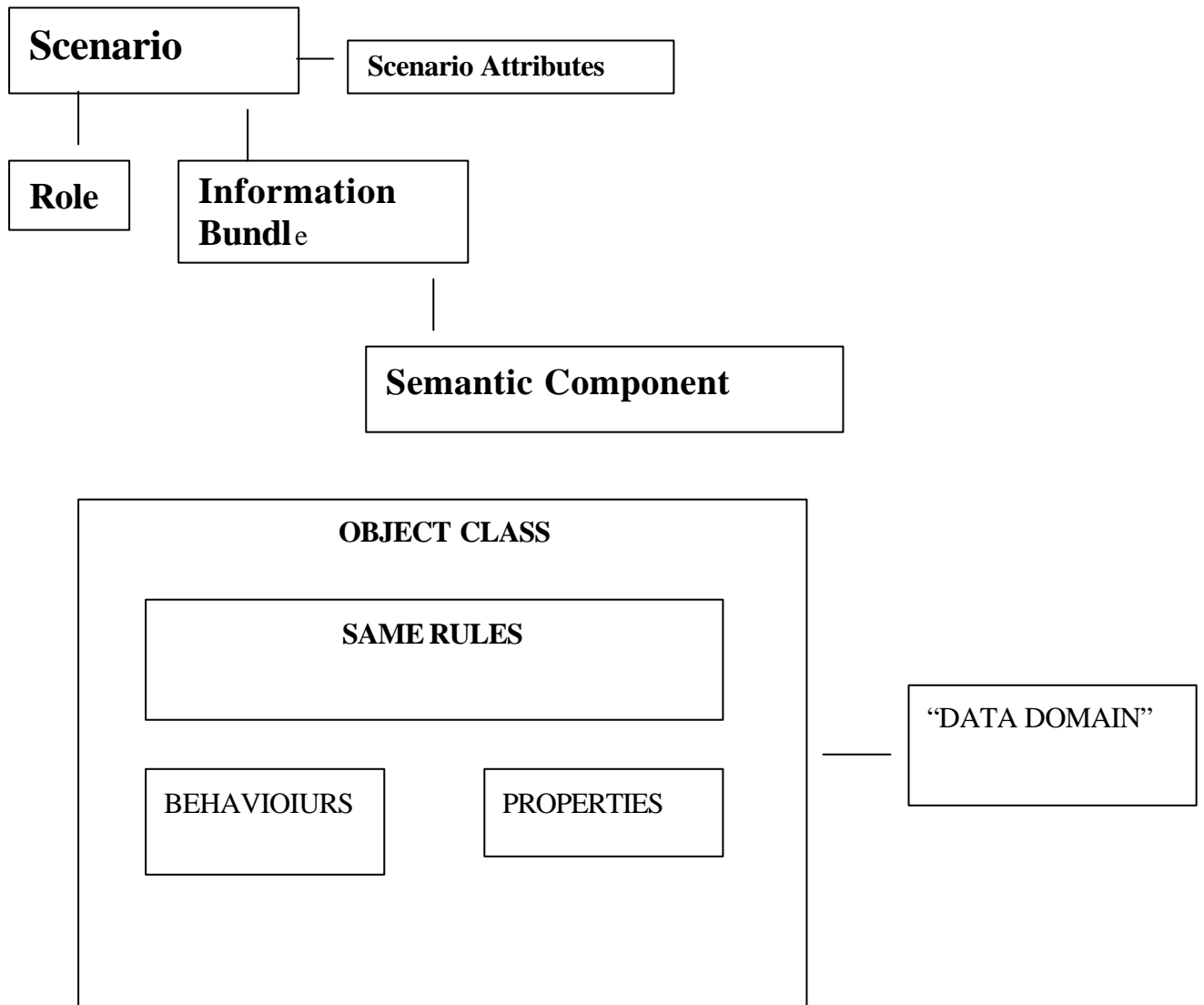


Basic Attributes -Part 3

- Identification (6)
- Definition (1)
- Relational (4)
- Representation (7)
- Administrative (4)

5. Introduction to “data domain” as a bridge between 11179 work focussed on “data element” and 15944 work focussed on “business transaction” and “information bundle” and “semantic component

Focus of 15944 -> business transactions



Notes on “data domain”

Rules explicitly stated – establish domain boundaries re what’s in (and what’s out)

- **procedures for adding, deleting members of domain set, changes in properties**

Behaviours well defined

Properties include – 11179 perspectives “data element/value domain” + Following:

- **focus of use/requirements is to support business transactions**
- **unambiguousness in support of commitment exchange**
- **Seperation of IT-interface requirements from human interface equivalent requirements**
- **two or more data elements (as value domains) as sets which interwork as a data domain set**
- **permissible “actual content values” predefined including rules for assignment and structuring of codes which serve as IDs for the members by the “club” which established data domain**
- **use of data elements as value domains to qualify/distinguish different object classes combined in a single list**
- **data domain member (i.e. a row) has properties captures as data elements (i.e. cols)**
- **IT-enabled data domain cast as a “matrix” a.k.a “table”**
- **?**

