ISO/IEC JTC 1/SC 36
Information Technology for Learning, Education and Training

Secretary's Report

22 June 2018

1. Title and scope

Title : JTC 1/SC 36 Information Technology for Learning, Education and Training

Scope : Standardization in the field of information technologies for learning, education and training to support individuals or organization and to enable interoperability and reusability of resources and tools.

Excluded :

- The SC shall not create standards or technical reports that define educational standards, cultural conventions, learning objectives or specific learning content.

- In the area of work this SC, Standards and technical reports will not duplicate work done by other ISO or IEC TCs/SCs, or WGs with respect to their component, speciality, or domain. Instead, when appropriate, normative or informative references to other stanndards shall be inculded. Examples include documents on speciality topics such as multimedia, web content, cultural adaption and security.

Creation date : 1999

2. Chairman and Secretary

JTC 1/SC 36 Chairman: **JTC 1/SC 36 Secretariat:**

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3. JTC 1/SC 36 Memebership

P-Member bodies: 24			O-member bodies: 21	
No	**Country**	**National Body**	**Country**	**National Body**
1	Algeria	IANOR	Austria	ASI
2	Australia	SA	Argentina	IRAM
3	Canada	SCC	Belgium	NBN
4	China	SAC	Bosnia and Herzegovina	BAS
5	Denmark	DS	Colombia	ICONTEC
6	Finland	SFS	Czech Republic	UNMZ
7	France	AFNOR	Ghana	GSA
8	Germany	DIN	Hong Kong (Correspondent member)	ITCHKSAR
9	India	BIS	Hungary	MSZT
10	Italy	UNI	Indonesia	BSN
11	Japan	JISC	Iran, Islamic Rep. of	ISIRI
12	Kazakhstan	KAZMEMST	Ireland	NSAI
13	Korea, Republic of	KATS	Kenya	KEBS
14	Netherlands	NEN	New Zealand	NZSO
15	Norway	SN	Pakistan	PSQCA
16	Portugal	IPQ	Romania	ASRO
17	Russian Federation	GOST R	Saudi Arabia	SASO
18	Slovakia	SUTN	Serbia	ISS
19	South Africa	SABS	Sweden	SIS
20	Spain	AENOR	Switzerland	SNV
21	Tunisia	INNORPI	Turkey	TSE
22	Uganda	UNBS		
23	Ukraine	DSSU		
24	United Kingdom	BSI		

Kenya, Sweden: P member → O member
Pakistan : O member
※ 2017: P-member(26), O-member(18)

4. Liaisons

4.1 Internal liaison committees to JTC 1/SC 36

The committees below can access the documetns of JTC 1/SC 36

Reference	Title	Liaison officer from SC 36
ISO/IEC JTC 1/SC 27	IT Security techniques	-
ISO/IEC JTC 1/SC 34	Document description and processing languages	Yong-Sang Cho
ISO/IEC JTC 1/SC 35	User interfaces	Jutta Treviranus
ISO/IEC JTC 1/SC 42	Artificial intelligence	-
ISO/PC 288	Educational organizations management systems - Requirements with guidance for use	Christian Stracke
ISO/TC 37/SC 2	Terminology workflow and language coding	-
ISO/TC 176	Quality management and quality assurance	Christian Stracke Sandra Feliciano
ISO/TC 211	Geographic information/Geomatics	-
ISO/TC 215	Health informatics	Jake Knoppers
ISO/TC 232	Learning services outside formal education	Bernard Blandin Simone Laughton, Christian Stracke

* 2018 new liaison committee : ISO/IEC JTC 1/SC 42

JTC 1/SC 36 can access the documents of the committees below :

Reference	Title	Liaison officer from SC 36
ISO/IEC JTC 1/SC 27	IT Security techniques	-
ISO/IEC JTC 1/SC 32	Data management and interchange	Jake Knoppers
ISO/IEC JTC 1/SC 34	Document description and processing languages	Yong-Sang Cho
ISO/IEC JTC 1/SC 35	User interfaces	Jutta Treviranus
ISO/IEC JTC 1/SC 41	IoT and related technologies	Andy Heath
ISO/PC 288	Educational organizations management systems - Requirements with guidance for use	Christian Stracke
ISO/TC 37	Language and terminology	Mokhtar Ben Henda
ISO/TC 37/SC 2	Terminology workflow and language coding	-
ISO/TC 46	Information and documentation	Jake Knoppers
ISO/TC 176	Quality management and quality assurance	Christian Stracke
ISO/TC 215	Health informatics	Jake Knoppers
ISO/TC 232	Learning services outside formal education	Bernard Blandin
ISO/TC 307	Block chain and distributed ledger technologies	-

4.2 External liaison : 12

Acronym	Category	Title	Liaison officer from SC 36
ADL	A	Advanced Distributed Learning	Jonathan Potrack/ Jason Haag
AICC	A	Aviation Industry CBT Committee	Jack Hyde
AUF	A	Agence Universitaire de la Fran-cophonie	Henri Hudrisier
IMS	A	IMS Global Learning Consortium	Rob Abel
Infoterm	A	International Information Centre for Terminology (Infoterm)	Mokhtar Ben Henda
LETSI	A	International Federation for Learn-ing-Education-Training Systems Interoperability	Avron Barr
LTSC	A	IEEE Learning Technology Stand-ards Committee	Avron Barr
CEN/TC 353		Information and Communication Technologies for Learning, Educa-tion and Training	Christian Stracke
DCMI		The Dublin Core Metadata Initiative	Liddy Nevile
W3C		The World Wide Web Consortium	-
Schema.org		Schema.org	-
Cartago Alliance	C	Cartago Alliance	Henri Hudrisier

* CEN/TC 353: domant state

5. JTC 1/SC 36 Structure and officers

JTC 1/SC 36 operates with the following working groups and ad hoc groups :

WG/AG	Title	Convener	Term
AG 1/BPC	Advisory Group on Business Planning and Communications	SHIN, Sung-Wook(KR)	2018-2020
WG 1	Vocabulary	Mokhtar Ben Henda(FR)	2016-2018
WG 3	Learner information	Bernard Blandin(FR)	2018-2020
WG 4	Management and Delivery	CHO, Yong-Sang(KR) YUN, Yuntao(CN,vice)	2016-2018
WG 5	Quality assurance and descrip-tive framework	Christian M. Stracke(GE)	2014-2017
WG 7	ITLET-Culture, language and individual needs	John Willis(CA)	2016-2019
WG 8	Learning Analytics interopera-bility	CHO, Yong-Sang(KR)	2016-2018
AHG1	Environments and resources for Augmented Reality and Virtual Reality	CHO, Yong-Sang(KR)	2018
AHG2	Terminology	Mokhtar Ben Henda(FR)	2018

AHG3	Emerging technologies related to LET	Jon Mason(AU), Di Wu(CN), Tomohiro Nishida(JP), Toshio Okamoto(JP)	2018
SG 1	MOOC	Christian M. Stracket	2018
SG 2	Data Quality for ITLET	HAN, Tae In	2018

6. Past JTC 1/SC 36 Meetings

No.	Date	Location	Attendee No.
30	2017-06-26/30	Melbourne, Australia	
29	2016-06-20/25	Prague, Czech Republic	53(F2F)
28	2015-06-22/27	Rouen, France	53(F2F), 5(WebEx)
27	2014-06-23/27	Oslo, Norway	50(F2F), 9(WebEX)
26	2013-09-07/13	Moscow, Russia	53
25	2012-09-8/15	Busan, Korea	78
24	2011-09	Shanghai, China	67
23	2011-03	Strasbourg, France	62
22	2010-09	State College, US	58
21	2010-03	Osaka, Japan	68
20	2009-09	Umeå, Sweden	64
19	2009-03	Wellington, New Zealand	62
18	2008-09	Stuttgart, Germany	68
17	2008-03	Jeju Island, Korea	73
16	2007-09	Toronto, Canada	70
15	2007-03	London, UK	73
14	2006-09	Wuhan, China	75
13	2006-03	Turku, Finland	81
12	2005-09	Durham, US	79
11	2005-03	Tokyo, Japan	78
10	2004-09	Dublin, Ireland	61
9	2004-03	Montreal, Canada	75
8	2003-09	Seoul, Korea	50
7	2003-03	Paris, France	85
6	2002-09	Lawrence, Kansas, US	50
5	2002-03	Adelaide, Australia	40

4	2001-09	Copenhagen, Denmark	Cancelled
3	2001-03	New York City, US	35
2	2000-09	Sedona, US	25
1	2000-03	London, UK	35

7. Status of JTC 1/SC 36 Program of Work

7.1 Current projects:

Please refer to the JTC 1/SC 36 N3708 "Program of Work": Active project No.: 14

Reference	Title	stage
ISO/IEC AWI TS 24751-4	Information technology -- Information technology for learning, education and training -- AccessForAll Framework For Individualized Accessibility -- Part 4: Registry server API	20.00
ISO/IEC AWI 24751-5	Information technology -- Information technology for learning, education and training -- AccessForAll Framework For Individualized Accessibility -- Part 5: Personal Privacy Preferences	20.00
ISO/IEC AWI 23127-1	Information technology for learning, education and training -- Metadata for facilitators of online learning -- Part 1: Framework	20.00
ISO/IEC AWI 23126	Information technology for learning, education and training -- Ubiquitous Learning Resource Organization and Description Framework (Learning Cell Framework)	20.00
ISO/IEC AWI TS 20748-3	Information technology for learning, education and training -- Learning analytics interoperability -- Part 3: Guideline for data interoperability	20.00
ISO/IEC AWI TS 20748-4	Information technology for learning, education and training -- Learning analytics interoperability -- Part 4: Privacy and data protection policies	20.00
ISO/IEC CD 22602	Competency models expressed in MLR	30.60
ISO/IEC CD 29187-1	Information technology -- Identification of privacy protection requirements pertaining to learning, education and training (LET) -- Part 1: Framework and reference model	30.99
ISO/IEC DIS 24751-1	Information technology for learning, education and training -- AccessForAll framework for individualized accessibility -- Part 1: Framework and registry	40.00
ISO/IEC DIS 2382-36	Information technology -- Vocabulary -- Part 36: Learning, education and training	40.99
ISO/IEC DIS 20016-1	Information technology for learning, education and training -- Language accessibility and human interface equivalencies (HIEs) in e-learning applications -- Part 1: Framework and reference model for semantic interoperability	40.99
ISO/IEC FDIS 19479	Information technology for learning, education, and training -- Learner mobility achievement information (LMAI)	50.00
ISO/IEC PRF TR 20821	Information technology -- Learning, education and training -- Learning environment components for automated	50.20

	contents adaptation	
ISO/IEC 19788-7	Information technology -- Learning, education and training -- Metadata for learning resources -- Part 7: Bindings	60.00

- 6 New work items approved : ISO/IEC TS 20748-3, ISO/IEC TS 20748-4, ISO/IEC 23126, ISO/IEC 23127-1, ISO/IEC TS 24751-4, ISO/IEC 24751-5

- ISO/IEC NP 22602: closing date May 30

- ISO/IEC 19479, ISO/IEC 19788-7 : pending due to PURL issue

7.2 Published standards: 39 standards

Here are the published standards since 2017 Plenary

ISO/IEC 40180:2017	Information technology -- Quality for learning, education and training -- Fundamentals and reference framework
ISO/IEC TR 20748-2:2017	Information technology for learning, education and training -- Learning analytics interoperability -- Part 2: System requirements
ISO/IEC TR 19788-11:2017	Information technology -- Learning, education and training -- Metadata for learning resources -- Part 11: Migration from LOM to MLR

8. Report of Previous meeting Resolution

Resolution Number	Project	Action
01	Progression of ISO/IEC 2382-36 (3rd Ed.)	DIS approved (FDIS to be submitted)
04	Progression of ISO/IEC TR 20821	Under publication
06	Progression of ISO/IEC 19479	Pending
06	Progression of ISO/IEC 22602	CD approved
09	Progression of ISO/IEC 29187-1	CD approved
10	Progression of ISO/IEC 19788-7	Pending
13	Progression of ISO/IEC 40180	Published
13	Progression of ISO/IEC 40183	Withdrawn (Resolution 46/2017 by Correspondence)
17	Progression of ISO/IEC 24751-1 (2nd Ed.)	DIS submitted (start date of the ballot: 2018-05-30)
17	Progression of ISO/IEC 20016-1 (2nd Ed.)	DIS approved (FDIS to be submitted)
18	Progression of ISO/IEC 20748-2	Published

Respectfully submitted,

Sunyoung YOUN
JTC 1/SC 36 Secretariat