

Secretariat report

The 43rd
ISO/IEC JTC 1/SC 36
plenary

Information technology for
learning, education, and training

Presented By:
Sunyoung YOUN, Committee Manager



2025-09-22 ~ 26

Nankai University, Tianjin in China

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Structure – SC 36 leadership

ISO/IEC JTC 1/SC 36

Created in 1999



Korean Agency for
Technology and Standards

Secretariat



Jon Mason
(2022~2027)

Chairperson



Sunyoung YOUN

Committee Manager



Technical Programme Manager : Andrew DRYDEN

Editorial Manager : Jessica Navarria

Structure – SC 36 membership

※ Mar. 2025 : P-member(22), O-member(27)

P-membership (22)

Australia, Canada, China, Finland, France, Germany, India, Islamic Republic of Iran, Italy, Japan, Kazakhstan, Republic of Korea, Netherlands, Norway, Philippines, Portugal, Russian Federation, South Africa, Spain, Ukraine, United Kingdom, Zimbabwe

O-membership (29)

Algeria, Argentina ,Austria, Belgium, Bosnia and Herzegovina, Colombia, **Cyprus**, Czech Republic, Ethiopia, Ghana, Greece ,Hong Kong, Hungary, Indonesia, Ireland, Kenya, New Zealand, Pakistan, Romania, Rwanda, Saudi Arabia, Serbia, Slovakia, Sweden, Switzerland, Tunisia, Türkiye, Uganda, **Uzbekistan**

Structure – Sub-groups and officers



Structure – Joint group with other committee



JWG12

Erlend Øverby



Myeong Won LEE

Joint ISO/IEC JTC1/SC 24 - ISO/IEC JTC1/SC 36 WG :
VR/AR/MR based ICT Integration Systems standards

Structure – Internal Liaison

No.	Reference	Title	Liaison officer from SC 36
1	JTC 1	Information Information technology	Jon Mason, Mokhtar Ben Henda
2	JTC 1/SC 24	Computer graphics, image processing and environmental data representation	Erlend Øverby
3	JTC 1/SC 32	Data management & Interchange	Jake Knoppers
4	JTC 1/SC 34	Document description and Processing Languages	Yong-Sang Cho
5	JTC 1/SC 41	Internet of things and digital twin	Jing Du
6	JTC 1/SC 42	Artificial Intelligence	Jon Mason, Jaeho Lee, Yong-Sang Cho
7	ISO/TC 37	Terminology and language and content resource	Mokhtar Ben Henda
8	ISO/TC 46	Information and Documentation	Kerry Blinco
9	ISO/TC 215	Health Informatics	<i>TBD</i>
10	ISO/TC 232	Education and learning services	Qing LI
11	ISO/TC 260	Human resource management	Eunsook Kim

Structure – External Liaison

Category-A liaison

No.	Reference	Title	Liaison officer
1	AUF	Agence Universitaire de la Francophonie	Mokhtar Ben Henda
2	Infoterm	International Information Centre for Terminology	Mokhtar Ben Henda
3	IEEE LTSC	IEEE Learning Technology Standards Committee	Eric Shepherd
4	1EdTech	1EdTech Consortium	Yong-Sang CHO, Curtiss Barnes (CEO of 1EdTech)

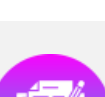
Category-C liaison with WG 8

No.	Reference	Title	Liaison officer
1	eAA	e-Assessment Association	Patrick Coates

Programme of work

Since the last plenary meeting in March 2025 : 12 projects (1/2)

 OSD project

Reference No.		Title	WG	PE	Stage
ISO/IEC AWI TR 25470		Information technology — Learning, education and training — Generative AI application for online courses	WG 9	Shen Liping	20.00
ISO/IEC AWI 25278		Information technology for learning, education and training — Evaluation of the quality of online learning: Maturity model and methodology	WG 9	Kerry Blinco	20.00
ISO/IEC CD TR 25468		Information technology — Learning, education, and training — Metaverse services for LET	WG 4	JONG JEAN KANG	30.20
ISO/IEC CD 19788-3		Information technology for learning, education and training — Metadata for learning resources — Part 3: Basic application profile	WG 4	Pierre-Julien Guay	30.20
ISO/IEC CD 23988		Information technology — A code of practice for the use of information technology (IT) in the delivery of assessments	WG 8	Yong-Sang Cho	30.60
ISO/IEC CD 19788-4		Information technology for learning, education and training — Metadata for learning resources — Part 4: Technical elements	WG 4	Yong-Sang Cho	30.60

Programme of work

Since the last plenary meeting in March 2025 : 12 projects (1/2)


OSD project

Reference No.		Title	WG	PE	Stage
ISO/IEC CD 16248		Information technology – Learning, education, and training (LET) – Access for All (AfA) cognition accessibility core properties	WG 7	Frederic Andres	30.60
ISO/IEC DIS 19788-2		Information technology for learning, education and training – Metadata for learning resources – Part 2: Dublin Core elements	WG 4	Pierre-Julien Guay	40.20
ISO/IEC DTR 9858		Information technology – Use cases on advanced learning analytics services using emerging technologies	WG 8	Yixi Lu	50.00
ISO/IEC FDIS 8808		Information technology for learning, education and training – Online course information model	WG 9	Jing DU	50.00
ISO/IEC PRF 4932		Information Technology - Learning, education and training – Access for All (AfA) Metadata for Accessibility Core Properties	WG 4	Liddy Neville	50.00
ISO/IEC/IEEE FDIS 39274-1-1		Learning technology – JavaScript Object Notation (JSON) data model format and Representational State Transfer (RESTful) web service for learner experience data tracking and access – Part 1-1: xAPI using JSON serialization and RESTful data transport	SC 36	Catherine Berger	50.20

Programme of work

Projects under JWG 12

Reference No.	Title	PE	Stage
ISO/IEC PWI 26952	Information technology – Use cases and design guidelines for VR/AR/MR based learning, education and training	Myeong Won Lee	00.00
ISO/IEC PWI 26072	Information technology – Computer graphics, image processing and environmental data representation – VR/AR/MR based personal multimodal system	Young Sik Bae	00.00
ISO/IEC PWI 26070	Information technology – Computer graphics, image processing and environmental data representation – 2D/3D graphics model quality assessment system	Young Sik Bae	00.00
ISO/IEC PWI 23620-2	Information technology - VR/AR/MR systems integration – Part 2: Reference model	Myeong Won Lee	00.00
ISO/IEC PWI 23620-3	Information technology – VR/AR/MR systems integration – Part 3: Virtual environment model	Myeong Won Lee	00.00
ISO/IEC PWI 23620-4	Information technology - VR/AR/MR systems integration – Part 4: Virtual human model	Myeong Won Lee	00.00
ISO/IEC AWI 25689	Information technology – Use case classification for VR/AR/MR systems integration	Myeong Won Lee	20.00
ISO/IEC CD 23620-1	Information technology - VR/AR/MR systems integration – Part 1: Terminology and concepts	Myeong Won Lee	30.60
ISO/IEC FDIS 9234	Information technology – Information modelling for virtual, augmented and mixed reality based education and training systems	Myeong Won Lee	50.20

Programme of work

Systematic Review

Since the last plenary meeting in March, 2025

Reference No.	Title	PE	Stage
ISO/IEC 24703:2004	Information technology — Participant Identifiers	–	90.60
ISO/IEC 20006-1:2014	Information technology for learning, education and training — Information model for competency — Part 1: Competency general framework and information model	Kenji Hirata	90.60
ISO/IEC 20006-2:2015	Information technology for learning, education and training — Information model for competency — Part 2: Proficiency level information model	Kenji Hirata	90.60
ISO/IEC 12785-1:2009	Information technology — Learning, education, and training — Content packaging — Part 1: Information model	–	90.60

F/U to 2025 March resolutions

No.	Actions	Status	Followed up by
1	Participation in a Task Force on IT tools and workflows under TCG	Reminder	WG conveners, Project Editors
2	Monitoring the work of JTC 1/WG 15, and report its progress at the SC 36 plenary		JTC 1 LOs
3	Publication of the updated SC 36 vocabulary harmonization documents	Done	SC 36 CM
4	Reiteration of SC 36's request for the OSD platform to provide an exportable functionality of Clause 3 in TermBase eXchange format	Forwarded to ISO IT team	SC 36 CM
5	Request for the registration of ISO/IEC PWI 25468 as a TR	Done	SC 36 CM
6	Activation of ISO/IEC 19788-3, -4 as the OSD	Done	SC 36 CM
7	Initiation of a 8-week of CD consultation - ISO/IEC AWI 19788-3 and -4 - ISO/IEC AWI 23988	Done	SC 36 CM
8	Submission of the following projects for the FDIS ballot - ISO/IEC DIS 29187-1 - ISO/IEC DIS20016-1	Done (Cancelled)	SC 36 CM
9	Submission of ISO/IEC CD TR 9858 for the DTR ballot	Done	SC 36 CM

F/U to 2025 March resolutions

No.	Actions	Status	Followed up by
10	Submission of the Vocabulary Quality Check list for ISO/IEC AWI 23988	To be submitted	PE (Yong-Sang CHO)
11	Notification of the appointment of Project Editor(s) - ISO/IEC AWI 25278 - ISO/IEC/IEEE FDIS 39274-1-1	Done	SC 36 CM
12	Submission of updated SC 36 business plan and highlights	Done	AG 1 Convenor
13	Post-voting decision on the Systematic review (SR) of ISO/IEC 22602:2019	Done	SC 36 CM
14	Submission of reports from AHG 5 and 6	Not yet	AHG5, 6 Convenors
15	Notification of the appointment of Liaison Representative of ISO/TC 232	Done	SC 36 CM
16	Call for nomination of Liaison Representative of ISO/TC 215	CIB to be opened	SC 36 CM
17	Report to JTC 1 and Communication with SC 24 regarding JWG 12 operation	Done	SC 36 leadership
18	Submission of the liaison report 6-week before the September plenary	Being compiled	LOs

F/U to 2025 March resolutions

Withdrawn projects - ISO/IEC 29187-1 and ISO/IEC 20016-1

Status

- Projects were withdrawn as comments on non-compliance with ISO/IEC Directives Part. 2 were not addressed within the deadline.
- Submission deadline was missed, resulting in cancellation.

Action to take

- WG 3 and 7 to discuss whether to restart revision work for each project
- Since CD stage was already completed, WG to decide whether to move directly to DIS.
- Final decision to be taken by resolution

Online Standard Development

A large orange circle is positioned behind the word 'Online' in the title.

Feedback on the OSD

suggestions of how we can improve the OSD

Submit your comments and The feedback will be reviewed by the OSD team.

<https://forms.office.com/e/5pzm7MEMZj>

- Tuesday September 30, 9:30am–10:00am CEST – [Register](#)
 - Tuesday September 30, 4:00pm – 4:30pm CEST – [Register](#)
- 
- A dark teal semi-circle is located at the bottom center of the slide.



ISO House Style

<https://www.iso.org/ISO-house-style.html>

ISO provides a house style to ensure all documents are clear, precise and unambiguous. It provides rules for language use, grammar, spelling (British English), terminology, abbreviations, and formatting, in line with the ISO/IEC Directives, Part 2.

When preparing OSD documents, editors are strongly encouraged to follow this house style to maintain consistency and quality across all online document.

← Drafting standards

ISO House Style

ISO House Style specifies the language, formatting and presentation of ISO documents: editorial elements that are outside the scope of the ISO/IEC Directives, Part 2.

When drafting ISO documents, the primary reference is the [ISO/IEC Directives, Part 2](#), which states the general principles and rules to follow to ensure that ISO and IEC documents are clear, precise and unambiguous.

ISO aims to deliver high-quality documents when and where the market needs them, both in terms of technical content and ease of use. ISO documents are used globally and are translated into many languages. Consistency in writing style and tone, and in document look and feel, allows the user to easily recognize an ISO document, to know how to use it and to have confidence in the quality of its contents. It also enables documents to be published more efficiently.

ISO House Style has been prepared by ISO Central Secretariat (ISO/CS), as an online searchable resource.

More info

Drafting guidance and model documents are also available on the [drafting standards page](#).

Last updated: 2025-05-21

[A list of the latest revisions](#).

[A full revision history](#), ordered by date.

Send comments or queries to drafting@iso.org

Congratulations !



Mokhtar BEN HENDA

In recognition of his leadership in coordinating the harmonization of terminology in the field of ITLET and for establishing a framework to promote its effective implementation



IEC 1906 award

to honor active experts for exceptional recent contributions that significantly advance the standardization activities.

Past JTC 1/SC 36 Meetings

No.	Date	Location	Attendee No.
42	2025-03-17/21	Virtual (via Zoom)	54
41	2024-09-23/27	Virtual (via Zoom)	57
40	2024-03-11/15	Virtual (via Zoom)	57
39	2023-09-18/22	Virtual (via Zoom)	58
38	2023-03-08/17	Virtual (via Zoom)	69
37	2022-09-26/30	Oslo, Norway(hybrid)	58
36	2022-03-09/17	Virtual (via Zoom)	53
35	2021-09-07/16	Virtual (via Zoom)	55
34	2021-03-18/25	Virtual (via Zoom)	62
33	2020/09-24/25	Virtual (via Zoom)	46
32	2019-06-24/28	Beijing, China	58
31	2018-06-18/22	Daegu, Korea	66
30	2017-06-26/30	Melbourne, Australia	55
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



Past JTC 1/SC 36 Meetings

No.	Date	Location	Attendee No.
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





The 43rd ISO/IEC JTC 1/SC 36 plenary week

Information technology for learning, education, and training

Tianjin in China

Thank you very much

谢谢