



ISO/IEC JTC 1/SC 27/WG 5 "Identity management and privacy technologies"

Convenorship: DIN

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## SC 27/WG 5 Liaison statement to ITU-T SG17

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General / Other		2026-05-22	INFO

**ISO/IEC JTC 1/SC 27/WG 5 – Identity management and privacy technologies****ISO/IEC JTC 1/SC 27/WG 5 Liaison statement to  
ITU-T SG17 (Security)  
on Identity Management, Privacy Technology, and Biometrics**

ISO/IEC JTC 1/SC 27/WG 5 (WG 5) would like to thank for your interest in its work. Please find further below a short summary on the status of the WG 5 projects; to ease reading for project titles usually only the last one or two (distinctive) segment(s) are given. The respective new documents can be accessed by your Liaison Officers via the document server at <https://sd.iso.org/documents> upon their availability. Please also find the following more specific messages:

**SC 27/WG 5 thanks ITU-T SG17 for the liaison statements (WG5 N4915, WG5 N5036 - SC27 N24485, WG5 N5037 - SC27 N24487).**

**WG 5 would like to further inform SG17 that SC 27 has nominated Antonio Kung as acting liaison representative to ITU-T SG17.**

**Regarding the initiation of the two new work items related to Decentralized Identity System for ITU-T X.sc-sd “Security capability for implementing selective disclosure system in the decentralized identity system” and ITU-T X.sg-dfive “Security guidelines for data format interoperability of verifiable credential in decentralized identity system” and the agreement of new Supplement X.Suppl.45 (ex. X.sup-divs)“ Supplement to ITU-T X.1403 - Rationale and initial approach of a decentralized identity system (DIS) based on verifiable data”, WG 5 would like to indicate its interest to continue collaboration on this.**

**Likewise, with regard to the liaison statement**

- on the initiation of the new work item for ITU-T X.te-consent “Framework for trust enhancing consent management”,**
- on the initiation of the new work item for ITU-T X.tdu-mv “Requirements for components of trusted data use in building a trustworthy metaverse”,**

**WG 5 would like to continue its collaboration on these areas.**

**WG 5 would like to express its gratitude to SG17 for sharing the liaison statement on the approval of ITU-T X.1058 – ISO/IEC 29151, revised recommendation, which was noted, several editorial comments from SG17 were accepted.**

**WG 5 thanks SG17 for sharing the liaison statement on the adoption of the IS text for ISO/IEC 27566-1 (Age Assurance System Part 1: Framework) into Recommendation ITU-T X.1901. Also, WG 5 would like to accept your request on ISO/IEC 27566-2 (Age assurance systems Part 2: Technical approaches and guidance for implementation) and ISO/IEC 27566-3 (Age assurance systems Part 3: Approaches to analysis or comparison) to be developed as common text between ISO/IEC and ITU-T in accordance with the ITU-T A.23 procedure, provided an agreement can be reached, that ITU-T is not seeking nor shall seek that ISO/IEC 27566-2 or ISO/IEC 27566-3 be made freely available, and provided that ITU-T notes the current status of the drafts for ISO/IEC 27566-2 and ISO/IEC 27566-3 and accepts their timetables.**

**WG 5 thanks SG17 for sharing information on the coordination for Identity Management. WG 5 is looking forward to continued collaboration and information exchange on this topic.**

Equally WG 5 is looking forward to continued collaboration and information exchange in the

- SG17 Correspondence Group “Strategy for AI security in Telecommunication/ICTs”.
- SG17 Correspondence Group on Child online protection (CG-COP).

WG 5 would especially like to inform SG 17 that

- on ISO/IEC 27091 (Artificial Intelligence – Privacy protection), WG 5 agreed to go for FDIS;
- on ISO/IEC 29115 (Entity authentication assurance framework), WG 5 agreed to go for 2nd CD;
- on WD 27573 (Privacy protection of user avatar and system avatar interactions in the metaverse), WG 5 agreed to go for 2nd WD;
- on TS 27568 (Security and privacy of digital twins), WG 5 agreed to go for 2nd WD and to change the scope. The scope changes as follows:

**From:** “This document provides a framework for organizations to address security and privacy risks in digital twin systems. This document helps organizations identify security and privacy risks throughout the digital twin systems lifecycles, and establishes mechanisms to evaluate the consequences and to treat risks.

**This document is applicable to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations, that develop or use digital twin systems.”.**

**To:** “This document provides guidance for organizations to address security and privacy risks in digital twin systems. The guidance in this document helps organizations identify security and privacy risks throughout the digital twin system lifecycle, and establishes mechanisms to evaluate the consequences of such risks and treat them.

**This document is applicable to all types and sizes of organizations, including public and private companies, government entities, academia, research institutions and not-for-profit organizations, that develop or use digital twin systems.”.**

The next regular meeting of WG 5 is scheduled from 2026-09-28 until 2026-10-02. It will happen virtual or possibly hybrid in the UTC-3 time zone. More information will be announced via the ISO meeting portal and the WG 5 distribution list. For this meeting WG 5 would welcome your participation as well as your comments and contributions. Please have if possible comments and contributions submitted before 2026-08-21 to support WG 5 to process them in the meeting.

### **Projects:**

**ISO/IEC 24760 – A Framework for identity management: Part 1 Terminology and Concepts** was published as an International Standard (IS) in 2011-12 and confirmed in 2017. An amendment resulted in a revision published in 2019-06, which was available at no cost via [www.jtc1.org](http://www.jtc1.org). A further amendment had been initiated at Committee Draft (CD) status in 2021-10 and was published in 2023-01; in 2025-09 an integration of both documents was published as 3<sup>rd</sup> edition and is to be available at no cost via the ISO and the IEC webstores. **Part 2 Reference architecture and requirements** was published as an International Standard (IS) in 2015-06. In 2020-10, a revision was initiated, which was published as 2<sup>nd</sup> edition in 2025-09. **Part 3 Practice** was published as an International Standard (IS) in 2016-07. An amendment had been initiated at Committee Draft (CD) status in 2020-10 and was published in 2023-01; in 2025-09 an integration of both documents was published as 3<sup>rd</sup> edition. A **Part 4**

**Authenticators, Credentials and Authentication** was initiated in 2020-09, but had been cancelled in 2025-03.

**ISO/IEC 29100 – Privacy framework** was published as an International Standard (IS) in 2011-12, confirmed in 2017-05, amended in 2018-06, and published as 2nd edition in 2024-02. It is available at no cost via the ISO and the IEC webstores.

**ISO/IEC 10267 – Methods to quantify the amount of personal information in a dataset** had originally been transferred to SC 27/WG 5 from SC 32/WG 6 with the title **Personal information factor (PIF) in data related to real persons**. It now progressed to Draft International Standard (DIS) status.

**ITU-T X.1085 | ISO/IEC 17922 – Telebiometric authentication framework using biometric hardware security module** has been published as an International Standard (IS) in 2017-09 as common text with ITU-T. It was confirmed in 2024-10.

**ISO/IEC 20547-4 – Big data reference architecture – Part 4: Security and privacy** has been published as an International Standard (IS) in 2020-09 and is under systematic review. This is a project of WG 4, on which WG 5 had collaborated with a Co-editor.

**ISO/IEC 20889 – Privacy enhancing data de-identification terminology and classification of techniques** has been published as an International Standard (IS) in 2018-11 and confirmed in 2024-05.

**ISO/IEC 24745 – Biometric information protection** has been published as an International Standard (IS) in 2011-06. Its revised 2<sup>nd</sup> edition has been renamed to **Information security, cybersecurity and privacy protection – Biometric information protection** and has been published in 2022-02.

**ISO/IEC 24761 – Authentication context for biometrics** has been published as an International Standard (IS) in 2009-05 with a technical corrigendum published in 2013-03. Its 2<sup>nd</sup> edition was published in 2019-10 and confirmed in 2025-09.

**ISO/IEC TS 27006-2 (formerly 27558) – Requirements for bodies providing audit and certification of information security management systems – Part 2: Privacy Information Management Systems** has been published in 2021-02. A revision towards an International Standard (IS) has been initiated in 2021-04 and was published in 2025-09. To align with the recent changes in ISO/IEC 27701 this project had been renumbered to **ISO/IEC 27706** and renamed to **Requirements for bodies providing audit and certification of privacy information management systems**.

**ISO/IEC 27018 – Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors** was first published as an International Standard (IS) in 2014-08. A minor revision was published in 2019-01. A revision of this standard considering the revision of 27001 and 27002 was started in 2023-10 on DIS status and has been published as 3<sup>rd</sup> edition in 2025-08. The title has been changed to **Guidelines for protection of personally identifiable information (PII) in public clouds acting as PII processors**.

**ISO/IEC 27091 – Artificial intelligence – Privacy Protection** was initiated in 2023-01 and successfully passed the Draft International Standard (DIS) ballot. It is planned to go for Final Draft International Standard (FDIS) ballot now.

**ISO/IEC TR 27550 – Privacy engineering for system life cycle processes** has been published as a Technical Report (TR) in 2019-09.

**ISO/IEC 27551 – Requirements for attribute-based unlinkable entity authentication** has been published as an International Standard (IS) in 2021-09.

**ISO/IEC 27553 – Security and privacy requirements for authentication using biometrics on mobile devices** is divided in two parts, **Part 1: Local mode**, and **Part 2: Remote mode**. Part 1 has been published as an International Standard (IS) in 2022-11, Part 2 in 2025-07.

**ISO/IEC 27554 – Application of ISO 31000 for assessment of identity-related risk** has been published as an International Standard (IS) in 2024-07.

**ISO/IEC 27555 – Guidelines on personally identifiable information deletion** has been published as an International Standard (IS) in 2021-10. An early revision has been initiated at Draft International Standard (DIS) level and will go for DIS ballot.

**ISO/IEC 27556 – User-centric privacy preferences management framework** has been published as an International Standard (IS) in 2022-10.

**ISO/IEC 27557 – Application of ISO 31000:2018 for organizational privacy risk management** has been published as an International Standard (IS) in 2022-11.

**ISO/IEC 27559 – Privacy-enhancing data de-identification framework** has been published as an International Standard (IS) in 2022-11.

**ISO/IEC 27560 – Consent record information structure** has been published as an International Standard (IS) in 2023-08 and is available at no cost via the ISO and the IEC webstores. An early revision has been initiated with an expanded scope to encompass the scope of the former **PWI TS 27569 – Personal identifiable information (PII) processing record information structure**. The title was changed to **Structure of personally identifiable information (PII) processing records**. The revision remains at Committee Draft (CD) status.

**ISO/IEC 27561 – Privacy operationalization model and method for engineering (POMME)** has been published as International Standard (IS) in 2024-03.

**ISO/IEC 27562 – Privacy guidelines for fintech services** has been published as an International Standard (IS) in 2024-12.

**ISO/IEC TR 27563 – Security and privacy in artificial intelligence use cases – best practices** has been published as a Technical Report (TR) in 2023-05.

**ISO/IEC TS 27564 – Privacy protection – Guidance on the use of models for privacy engineering** has been published as a Technical Specification (TS) in 2025-09.

**ISO/IEC 27565 – Guidelines on privacy preservation based on zero-knowledge proofs** has been published in 2026-02.

**ISO/IEC 27566 – Age assurance systems** is subdivided into three parts: **Part 1 Framework** has been published in 2025-12 and is available at no cost via the ISO and the IEC webstores; **Part 2 Technical approaches and guidelines for implementation** has reached AWI status with a 1<sup>st</sup> WD being circulated soon; **Part 3 Approaches to analysis or comparison** (formerly: **Benchmarks for benchmarking analysis**) is at Committee Draft (CD) status.

**ISO/IEC TS 27568 – Security and privacy of digital twins** remains at Working Draft (WD) status.

**ISO/IEC TS 27570 – Privacy guidelines for smart cities** was published as a Technical Specification (TS) in 2021-01. It was confirmed as a TS in 2024-10.

**ISO/IEC 27573 – Privacy protection of user avatar and system avatar interactions in the metaverse** remains at Working Draft (WD) status.

**ISO/IEC 27574 – Privacy in brain-computer interface (BCI) applications** has reached Approved Work Item (AWI) status with a 1<sup>st</sup> WD being circulated soon.

**ISO/IEC 27701 – Privacy information management systems – Requirements and guidance** has been published as an IS in its 2<sup>nd</sup> edition in 2025-09. It had been originally published in 2019-08 with the title **Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management – Requirements and guidelines**. The revision had been initiated in 2022-10.

**ISO/IEC 27706 – Requirements for bodies providing audit and certification of privacy information management systems** is the new number and title of ISO/IEC TS 27006-2 – *Requirements for bodies providing audit and certification of information security management systems - Part 2: Privacy Information Management Systems* to align with the recent changes in 27701. It has published together with the new edition of 27701 in 2025-09. More information on the earlier development can be found in the entry on TS 27006-2.

**ISO/IEC TS 29003 – Identity proofing** was published as a Technical Specification (TS) in 2018-03 and confirmed as a Technical Specification (TS) in 2021-11 and again in 2025-04. It is being analysed with regard to gender responsiveness, will be checked in relation to the upcoming new edition of 29115 (once that is stable enough), and may receive an early revision.

**ISO/IEC 29101 – Privacy architecture framework** was first published as an International Standard (IS) in 2013-04 and as revised 2nd edition in 2018-11, confirmed in 2024-05.

**ISO/IEC 29115 – Entity authentication assurance framework** was published as an International Standard (IS) in 2013-04. After an approach towards its revision was cancelled, 29115 was confirmed in 2020-09. A revision remains at Committee Draft (CD) status.

**ISO/IEC 29134 – Privacy impact assessment** was published as an International Standard (IS) in 2017-06. An amendment was initiated in 2022-11 and has resulted in a revised 2<sup>nd</sup> edition published in 2023-05.

**ISO/IEC 29146 – A framework for access management** was published as an International Standard (IS) in 2016-06, amended in 2022-08, and published as a revised 2<sup>nd</sup> edition in 2024-01.

**ITU-T X.1058 | ISO/IEC 29151 – Code of practice for personally identifiable information protection** was published as an International Standard (IS) in 2017-08 as common text with ITU-T and confirmed in 2023-05. The current revision to consider the changes in 27002:2022 passed the Final Draft International Standard (FDIS) ballot passed successfully. The title has been changed to **Controls, requirements, and guidance for personally identifiable information protection**.

**ISO/IEC 29184 – Guidelines for online privacy notices and consent** was published as an International Standard (IS) in 2020-06 and was confirmed in 2026-03 for 5 years.

**ISO/IEC 29190 – Privacy capability assessment model** was published as an International Standard (IS) in 2015-08 and was confirmed in 2021-04.

**ISO/IEC 29191 – Requirements for partially anonymous, partially unlinkable authentication** was published as an International Standard (IS) in 2012-12, confirmed in 2018-11, and again in 2024-05.

#### **New Work Item Proposals and Preliminary Work Items:**

Preliminary Work Item (PWI) **ISO/IEC 25860 – Authenticator exploration** remains at PWI status.

PWI **ISO/IEC 25863 – Exploration of Security and privacy characteristics for digital identity wallets managing digital credentials** remains at PWI status . Its original title was **Exploration of digital wallets storing digital credentials**. In this context WG 5 successfully proposed the Establishment of an SC 27 Ad hoc group, which is now titled **ISO and IEC activities to support the Functional Requirements of Digital Wallets, informing the need for collaboration**.

PWI **ISO/IEC 26689 – Gap analysis for standards on privacy notices and consent and ways to address potential gaps** has been established.

PWI **ISO/IEC 27503 – Privacy and security guidelines on intelligent travel services** remains at PWI status.

PWI **ISO/IEC 27575 – Privacy for metaverse frameworks** has been retitled to **Privacy framework in the metaverse including support on AI agent orchestration** and remains at PWI status.

#### **SC 27 Committee Documents related to WG 5:**

**Committee Document 501 Roadmap** is available via the website of JTC 1/SC 27 via <https://committee.iso.org/home/jtc1sc27> (under “Resources”) and will be updated reflecting expert contributions and the progress at the WG meeting.

**Committee Document 502 Privacy References List** is available via the website of JTC 1/SC 27 via <https://committee.iso.org/home/jtc1sc27> (under “Resources”) and will be updated based on contributions received.

**Committee Document 504 Standards Privacy Assessment (SPA)** is available via the website of JTC 1/SC 27 via <https://committee.iso.org/home/jtc1sc27> (under “Resources”) and will be updated based on contributions received.