

# MTA Standards Update Booklet

The Manufacturing Technologies Association



## Introduction

Standards are an agreed way of doing something. They are documents which contain technical specifications or other precise criteria, which are designed to be used consistently as a rule, guideline or definition. Consequently, standards ensure the quality and consistency of products and services and allow consumers to have confidence that their products are safe, reliable and of a good quality.

This booklet looks to provide the following information in relation to standards and the MTA's engagement with them:

- An overview of the standards update process.
- A summary of the BSI standard committees that the MTA is engaged with,
- A list of the standards that are being updated under each committee.

Please be aware this is the December 2024 updated booklet and the next update would be sent in March 2025.

If you are interested in participating in any of the committees listed in the booklet, would like to find out any information about any of the standards being updated, or have a suggestion on a technical area we should look to cover in a committee coverage please get in touch the MTA Technical team (contact details on final page).

Furthermore, all full members of the MTA are entitled to have access to the MTA BSI standards collection. This access allows MTA members to view a number of standards, as chosen by industry, at no cost. To access this collection please register on the BSI website ([bsol.bsigroup.com](https://bsol.bsigroup.com)) and get in touch for your access code (contact details on final page).



## Standards Update Process

A new standard or one being updated goes through the same process which is represented in Figure 1:



Figure 1 – Standards Update Process

These update steps are as follows:

- New Work Proposal or Revision – at this stage a BSI committee will vote on whether to approve a project and submit comments. If appropriate experts will be nominated.
- Preparation (Drafting) – The standard will be drafted with the appointed expert providing specialist knowledge to the working group.
- Committee stage – The BSI committee have an opportunity to comment on the draft.
- Public Consultation – If the draft is approved by the committee the draft is sent out for 2 to 3 months for public comment (stage 40.20 on figure 2).
- Comment resolution – At the end of the consultation period all comments collated with the BSI committee deciding which to put forward in response.
- Approval stage – Once the consultation comments have been resolved the draft moves to approval stage where only editorial comments can be made.
- Publication – Following formal approval a standard will be implemented as a British Standard, with any conflicting standards being withdrawn.
- Review – To ensure a standard is required, it is periodically reviewed. The review considers if the standard should be retained, amended, withdrawn or revised.

Figure 2, on the next page, shows the in-depth stages of the standards update process. This can be used to understand which stage a standard is at the update process.

## International harmonized stage codes

STAGE	SUBSTAGE						
				90 Decision			
	00 Registration	20 Start of main action	60 Completion of main action	92 Repeat an earlier phase	93 Repeat current phase	98 Abandon	99 Proceed
00 Preliminary stage	00.00 Proposal for new project received	00.20 Proposal for new project under review	00.60 Close of review			00.98 Proposal for new project abandoned	00.99 Approval to ballot proposal for new project
10 Proposal stage	10.00 Proposal for new project registered	10.20 New project ballot initiated	10.60 Close of voting	10.92 Proposal returned to submitter for further definition		10.98 New project rejected	10.99 Approval to New project approved
20 Preparatory stage	20.00 New project registered in TC/SC work programme	20.20 Working draft (WD) study initiated	20.60 Close of comment period			20.98 Project deleted	20.99 WD approved for registration as CD
30 Committee stage	30.00 Committee draft (CD) registered	30.20 CD study/ballot initiated	30.60 Close of voting/ comment period	30.92 CD referred back to Working Group		30.98 Project deleted	30.99 CD approved for registration as DIS
40 Enquiry stage	40.00 DIS registered	40.20 DIS ballot initiated: 12 weeks	40.60 Close of voting	40.92 Full report circulated: DIS referred back to TC or SC	40.93 Full report circulated: decision for new DIS ballot	40.98 Project deleted	40.99 Full report circulated: DIS approved for registration as FDIS
50 Approval stage	50.00 Final text received or FDIS registered for formal approval	50.20 Proof sent to secretariat or FDIS ballot initiated: 8 weeks	50.60 Close of voting. Proof returned by secretariat	50.92 FDIS or proof referred back to TC or SC		50.98 Project deleted	50.99 FDIS or proof approved for publication
60 Publication stage	60.00 International Standard under publication		60.60 International Standard published				
90 Review stage		90.20 International Standard under periodical review	90.60 Close of review	90.92 International Standard to be revised	90.93 International Standard confirmed		90.99 Withdrawal of International Standard proposed by TC or SC
95 Withdrawal stage		95.20 Withdrawal ballot initiated	95.60 Close of voting	95.92 Decision not to withdraw International Standard			95.99 Withdrawal of International Standard

Figure 2 – In-depth overview of standards update process

## Committees and Standards Under Review

The following tables provide a list of the standards committees the MTA participates in, as well as the standards being updated under each of those committees.

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/AWI 14649-10	Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 10: General process data	10.99
ISO/AWI 14649-11	Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 11: Process data for milling	10.99
ISO/AWI 14649-12	Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 12: Process data for turning	10.99
ISO/AWI 14649-111	Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 111: Tools for milling machines	10.99
ISO/CD 23704-4	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 4: Requirements and guidelines for implementing reference architecture of CPSMT for subtractive manufacturing	30.60
ISO/AWI 23704-5	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 5: Requirements and guidelines for implementing reference architecture of CPSMT for additive manufacturing	20.00
ISO/FDIS 3151-2	Visualization elements of PLM-MES interface — Part 2: 3D error feedback in heavy industry	50.00
ISO/PRF 8000-118	Data quality — Part 118: Application of ISO 8000-115 to natural location identifiers	50.00
ISO/CD 8000-119	Data quality — Part 119: Application of ISO 8000-115 to transport unit identifiers	30.20
ISO/FDIS 8000-210	Data quality — Part 210: Sensor data: Data quality characteristics	50.20
ISO/CD 8000-220	Data quality — Part 220: Sensor data: Quality measurement	30.99
ISO/AWI TS 8000-230	Data quality — Part 230: Sensor data: Guidelines for data cleansing	20.00
ISO/AWI TR 8000-320	Data quality — Part 320: AI training data quality for smart manufacturing	10.99

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/DIS 10303-62	Industrial automation systems and integration — Product data representation and exchange — Part 62: Integrated generic resource: Equivalence validation of product data	40.00
ISO/CD 10303-238	Industrial automation systems and integration — Product data representation and exchange — Part 238: Application protocol: Model based integrated manufacturing	30.60
ISO/DIS 10303-242	Industrial automation systems and integration — Product data representation and exchange — Part 242: Application protocol: Managed model-based 3D engineering	40.60
ISO/AWI TS 10303-1028	Industrial automation systems and integration — Product data representation and exchange — — Part 1028: Application module: Universally unique identification assignment	10.99
ISO/AWI TS 10303-1855	Industrial automation systems and integration — Product data representation and exchange — Part 1855: Threads for mechanical products	10.99
ISO/AWI TS 10303-1856	Industrial automation systems and integration — Product data representation and exchange — Part 1856: Annotated 3d model equivalence triangulated shape module	10.99
ISO/AWI TS 10303-1857	Industrial automation systems and integration — Product data representation and exchange — Part 1857: Annotated 3d model equivalence display attribute module	10.99
ISO/DIS 14306-3	Industrial automation systems and integration — JT file format specification for 3D visualization — Part 3: Version 2	40.20
ISO/DIS 14306-4	Industrial automation systems and integration — JT file format specification for 3D visualization — Part 4: Version 3	40.00
ISO/PRF 15926-6	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 6: Rules for the development and validation of reference data of ISO/TS 15926-4	50.20
ISO/AWI 15926-100	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 100: Vocabulary	20.00

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO 17506:2022/DAmD 1	Industrial automation systems and integration — COLLADATM digital asset schema specification for 3D visualization of industrial data — Amendment 1: Elements name and explanations	40.99
ISO/CD TR 17999	Reference model for industrial data	30.92
ISO/DIS 18136-1	Automation systems and integration — Nuclear digital ecosystem — Part 1: Overview and framework	40.20
ISO/TS 23164	Automation systems and integration — Core vocabulary for industrial data	60.00
ISO/CD 23247-5	Automation systems and integration — Digital twin framework for manufacturing — Part 5: Digital thread for digital twin	30.60
ISO/CD 23247-6	Automation systems and integration — Digital twin framework for manufacturing — Part 6: Digital twin composition	30.60
ISO/CD TR 23247-100	Automation systems and integration - Digital twin framework for manufacturing — Part 100: Use case on management of semiconductor ingot growth process	30.99
ISO/CD 23726-3	Automation systems and integration — Ontology based interoperability — Part 3: Industrial data ontology	30.60
ISO/DTR 24464	Visualization elements of digital twin — Visualization fidelity	50.20
ISO/AWI TS 25270	Automation systems and integration — Core terminology for simulation data management	20.00
ISO/AWI TS 25271	Automation systems and integration — Industrial digital twin interface architecture	20.00
ISO/CD 29002	Industrial automation systems and integration — Exchange of characteristic data	30.99
ISO/CD TR 15746-4	Automation systems and integration - Integration of advanced process control and optimization capabilities for manufacturing systems — Part 4: Application integration scheme of advanced process control and optimization system for distillation process	30.00
ISO/AWI 16400-4	Automation systems and integration — Equipment behaviour catalogues for virtual production system — Part 4: Application method	20.00
ISO/DIS 16400-5	Automation systems and integration — Equipment behaviour catalogues for virtual production system — Part 5: Interfaces of an equipment behaviour catalogue with production systems engineering and manufacturing operations	40.00

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/AWI 16400-6	Automation systems and integration — Equipment behaviour catalogues for virtual production systems — Part 6: Equipment behaviour catalogue with machine learning	20.00
ISO/CD 17649.2	Model-based standards authoring	30.99
ISO/AWI 20849	Supply chain interoperability and integration — Part 110: Verification of authoritative legal entity identifiers (ALEI)	20.00
ISO/AWI 20850	Supply chain interoperability and integration — Part 210: Strategic sourcing concepts, principles, and data requirements	20.00
ISO/CD 21175-1	Automation systems and integration --Collaboration Environment Requirements of Simulation on Different Manufacturing Platforms — Part 1: Part 1: Reference Model and Process	30.99
ISO/AWI 22400-1	Automation systems and integration — Key performance indicators (KPIs) for manufacturing operations management — Part 1: Overview, concepts and terminology	10.99
ISO/DIS 22400-2	Automation systems and integration — Key performance indicators (KPIs) for manufacturing operations management — Part 2: Definitions and descriptions	40.99
ISO/AWI 25292-1	Automation system and integration — Taxonomy of production automation — Part 1: Framework and definitions	20.00
ISO/CD 25500-1	Supply chain interoperability and integration — Part 1: Overview	30.60
ISO/CD 25500-2	Supply chain interoperability and integration — Part 2: Vocabulary	30.60
ISO/CD 25500-3	Supply chain interoperability and integration — Part 3: Verification of Authoritative Legal Entity Identifiers (ALEI)	30.60
ISO/CD 25500-100	Supply chain interoperability and integration — Part 100: Verification of Supply Chain Data	30.60
ISO/CD 25500-110	Supply chain interoperability and integration — Part 110: Verification of certificates in the supply chain	30.60
ISO/CD 25500-120	Supply chain interoperability and integration — Part 120: Verification of localization data	30.60

<b>AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/CD 25500-240	Supply chain interoperability and integration — Part 240: Strategic sourcing concepts, principles, and data requirements	30.60
IEC/CD 62264-2	Enterprise-control system integration — Part 2: Objects and attributes for enterprise-control system integration	30.00
IEC/CD 62264-4	Enterprise-control system integration — Part 4: Objects and attributes for manufacturing operations management integration	30.00
IEC/CD 62264-5	Enterprise-control system integration — Part 5: Business to manufacturing transactions	

<b>AMT/008 ADDITIVE MANUFACTURING</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/ASTM CD TR 52913-1.2	Additive manufacturing — Feedstock materials — Part 1: Parameters for characterization of powder flow properties	30.20
ISO/ASTM CD TR 52918	Additive manufacturing — Data formats — File format support, ecosystem and evolutions	30.00
ISO/ASTM DIS 52919	Additive manufacturing — Qualification principles — Test methods for metal casting sand moulds	40.99
ISO/ASTM CD 52922	Additive manufacturing — Design — Directed energy deposition of metals	30.99
ISO/ASTM DIS 52929	Additive manufacturing of metals — Powder bed fusion — Presentation of material properties in material data sheets	40.99
ISO/ASTM DIS 52937	Additive manufacturing of metals — Qualification principles — Tasks and related skills for AM	40.60
ISO/ASTM FDIS 52938-1	Additive manufacturing of metals — Environment, health and safety — Part 1: Safety requirements for PBF-LB machines	50.00
ISO/ASTM DIS 52940	Additive manufacturing of ceramics — Feedstock materials — Characterization of ceramic slurry in vat photopolymerization	40.60
ISO/ASTM DIS 52941	Additive manufacturing — System performance and reliability — Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application	40.99



<b>AMT/008 ADDITIVE MANUFACTURING</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/ASTM CD 52946	Additive manufacturing of metals — Finished part properties — Stainless Steel Alloys made by powder bed fusion	30.99
ISO/ASTM DIS 52948	Additive manufacturing for metals — Non-destructive testing and evaluation — Imperfections classification in PBF parts	40.60
ISO/ASTM TS 52949	Additive manufacturing of metals — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment	60.00
ISO/ASTM CD 52951	Additive Manufacturing — Data — Data packages for AM parts	30.99
ISO/ASTM DIS 52953	Additive manufacturing for metals — General principles — Registration of geometric data acquired from process-monitoring and for quality control	40.99
ISO/ASTM CD 52954-1	Additive manufacturing — Qualification principles — Part 1: Common failure modes used for risk mapping	30.99
ISO/ASTM CD 52957	Additive Manufacturing — Design — Parts using ceramic materials	30.99
ISO/ASTM CD TR 52958	Additive manufacturing of metals — Powder bed fusion — In-situ coaxial photodiode monitoring for lack of fusion flaw detection in PBF-LB	30.99
ISO/ASTM DIS 52959	Additive Manufacturing of metals — Test artefacts — Compression validation coupons for lattice designs	40.99
ISO/ASTM CD 52965	Additive manufacturing for metals — Qualification principles — Test method for indentation plastometry	30.99
ISO/ASTM CD 52966	Additive manufacturing — General Principles — Framework for the Implementation of a Level System for temporarily self-sufficient systems	30.99

AMT/10 ROBOTICS		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/AWI 8373	Robotics — Vocabulary	10.99
ISO/FDIS 10218-1.2	Robotics — Safety requirements — Part 1: Industrial robots	50.20
ISO/FDIS 10218-2.2	Robotics — Safety requirements — Part 2: Industrial robot applications and robot cells	50.20
ISO/DIS 13482	Robotics — Safety requirements for service robots	40.20
ISO/CD 18646-5	Robotics — Performance criteria and related test methods for service robots — Part 5: Locomotion for legged robots	30.60
ISO/CD 18646-6	Robotics — Performance criteria and related test methods for service robots — Part 6: Lower-limb wearable robots	30.20
ISO/AWI 18646-8	Robotics — Performance criteria and related test methods for service robots — Part 8: Electric vehicle charging robots	20.00
ISO/AWI TR 20218-3	Robotics — Safety design for industrial robot systems — Part 3: Guidance for the use of ISO 10218-2 (ed 2)	20.00
ISO/CD 21423	Robotics — Autonomous mobile robots for industrial environments — Communications and interoperability	30.60
ISO/FDIS 22166-202	Robotics — Modularity for service robots — Part 202: Information model for software modules	50.20
ISO/AWI 22166-203	Robotics — Modularity for service robots — Part 203: Information Model for Hardware	20.00
ISO/AWI TS 25213	Robotics — Test methods for measuring the energy consumption of robots — 6-Axis articulated industrial robots	20.00
IEC/AWI TR 60601-4-1	Medical electrical equipment — Part 4-1: Guidance and interpretation — Medical electrical equipment and medical electrical systems employing a degree of autonomy	10.99
IEC/AWI 80601-2-77	Medical electrical equipment — Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment	10.99
IEC/AWI 80601-2-78	Medical electrical equipment — Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation	10.99

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC AWI 4922-3	Information security — Secure multiparty computation — Part 3: Part 3: Mechanisms based on garbled circuits	20.00
ISO/IEC CD 5181	Information technology — Security and privacy — Data provenance	30.60
ISO/IEC AWI TS 5689	Cybersecurity — Security frameworks and use cases for cyber physical systems	20.00
ISO/IEC 9797-2:2021/CD Cor 1.2	Information security — Message authentication codes (MACs) — Part 2: Mechanisms using a dedicated hash-function — Technical Corrigendum 1	30.00
ISO/IEC AWI 9798-5	Information technology — Security techniques — Entity authentication — Part 5: Mechanisms using zero-knowledge techniques	20.00
ISO/IEC WD 10267	Information technology — Data usage — Personal information factor (PIF) in data related to real persons	20.20
ISO/IEC 11770-3:2021/DAmD 1	Information security — Key management — Part 3: Mechanisms using asymmetric techniques — Amendment 1: TFNS identity-based key agreement	40.60
ISO/IEC WD 11770-4	Information technology — Security techniques — Key management — Part 4: Mechanisms based on weak secrets	20.60
ISO/IEC AWI 11770-8	Information technology — Security techniques — Part 8: Password-based key derivation	20.00
ISO/IEC 14888-3:2018/AWI Amd 1	IT Security techniques — Digital signatures with appendix — Part 3: Discrete logarithm based mechanisms — Amendment 1	20.00
ISO/IEC DIS 15408-1	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 1: Introduction and general model	40.60
ISO/IEC DIS 15408-2	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 2: Security functional components	40.60
ISO/IEC DIS 15408-3	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 3: Security assurance components	40.60
ISO/IEC DIS 15408-4	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 4: Framework for the specification of evaluation methods and activities	40.60
ISO/IEC DIS 15408-5	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 5: Pre-defined packages of security requirements	40.60

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC 18014-1:2008/DAmD 1	Information technology — Security techniques — Time-stamping services — Part 1: Framework — Amendment 1	40.60
ISO/IEC PRF 18031	Information technology — Security techniques — Random bit generation	50.00
ISO/IEC 18033-2:2006/CD Amd 2	Information technology — Security techniques — Encryption algorithms — Part 2: Asymmetric ciphers — Amendment 2	30.60
ISO/IEC 18033-7:2022/AWI Amd 1	Information security — Encryption algorithms — Part 7: Tweakable block ciphers — Amendment 1	10.99
ISO/IEC DIS 18045	Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Methodology for IT security evaluation	40.60
ISO/IEC FDIS 19790	Information security, cybersecurity and privacy protection — Security requirements for cryptographic modules	50.00
ISO/IEC DIS 19792	Information security, cybersecurity and privacy protection — General principles of security evaluation of biometric systems	40.60
ISO/IEC DIS 19896-1	Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel — Part 1: Overview and concepts	40.20
ISO/IEC DIS 19896-2	Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel — Part 2: Knowledge and skills requirements for ISO/IEC 19790 testers and validators	40.20
ISO/IEC DIS 19896-3	Information security, cybersecurity and privacy protection — Requirements for the competence of IT security conformance assessment body personnel — Part 3: Knowledge and skills requirements for ISO/IEC 15408 evaluators and certifiers	40.00
ISO/IEC WD 19989-1	Information security — Criteria and methodology for security evaluation of biometric systems — Part 1: Framework	20.60
ISO/IEC 20008-3	Information security — Anonymous digital signatures — Part 3: Mechanisms using multiple public keys	60.00
ISO/IEC 20009-4:2017/AWI Amd 1	Information technology — Security techniques — Anonymous entity authentication — Part 4: Mechanisms based on weak secrets — Amendment 1	10.99

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC CD TS 20540	Information security, cybersecurity and privacy protection — Testing cryptographic modules in their field	30.99
ISO/IEC FDIS 24759	Information security, cybersecurity and privacy protection — Test requirements for cryptographic modules	50.00
ISO/IEC DIS 24760-1	IT Security and Privacy — A framework for identity management — Part 1: Terminology and concepts	40.99
ISO/IEC FDIS 24760-2	IT Security and Privacy — A framework for identity management — Part 2: Reference architecture and requirements	50.00
ISO/IEC DIS 24760-3	IT Security and Privacy — A framework for identity management — Part 3: Practice	40.99
ISO/IEC WD 24760-4.4	IT Security and Privacy — A framework for identity management — Part 4: Authenticators, Credentials and Authentication	20.60
ISO/IEC AWI 25093-1	Cybersecurity — Confidential computing — Part 1: Overview and concepts	20.00
ISO/IEC CD 27000	Information technology — Security techniques — Information security management systems — Overview and vocabulary	30.60
ISO/IEC AWI 27003	Information technology — Security techniques — Information security management systems — Guidance	20.00
ISO/IEC WD 27004	Information technology — Security techniques — Information security management — Monitoring, measurement, analysis and evaluation	20.20
ISO/IEC CD TS 27008	Information technology — Security techniques — Guidelines for the assessment of information security controls	30.60
ISO/IEC 27013:2021/Amd 1	Information security, cybersecurity and privacy protection — Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 — Amendment 1	60.00
ISO/IEC CD 27017.2	Information security, cybersecurity and privacy protection — Information security controls based on ISO/IEC 27002 for cloud services	30.60
ISO/IEC DIS 27018	Information security, cybersecurity and privacy protection — Guidelines for protection of personally identifiable information (PII) in public clouds acting as PII processors	40.60
ISO/IEC AWI TR 27024	Information security, cybersecurity and privacy protection — Government and regulatory use of ISO/IEC 27001, ISO/IEC 27002 and other information security standards	20.00

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC 27031	Cybersecurity — Information and communication technology readiness for business continuity	60.00
ISO/IEC FDIS 27035-4	Information technology — Information security incident management — Part 4: Coordination	50.20
ISO/IEC AWI 27045	Information technology — Big data security and privacy — Guidelines for managing big data risks	20.00
ISO/IEC CD 27090	Cybersecurity — Artificial Intelligence — Guidance for addressing security threats and failures in artificial intelligence systems	30.60
ISO/IEC WD 27091.2	Cybersecurity and Privacy — Artificial Intelligence — Privacy protection	20.60
ISO/IEC CD TS 27103	Information technology — Security techniques — Cybersecurity and ISO and IEC Standards	30.99
ISO/IEC AWI TR 27109	Cybersecurity education and training	20.00
ISO/IEC WD TS 27115.2	Cybersecurity evaluation of complex systems — Introduction and framework overview	20.60
ISO/IEC DIS 27404	Cybersecurity — IoT security and privacy — Cybersecurity labelling framework for consumer IoT	40.00
ISO/IEC DIS 27553-2	Information security, cybersecurity and privacy protection — Security and privacy requirements for authentication using biometrics on mobile devices — Part 2: Remote modes	40.60
ISO/IEC FDIS 27562	Information technology — Security techniques — Privacy guidelines for fintech services	50.20
ISO/IEC WD TS 27564	Privacy protection - Guidance on the use of models for privacy engineering	20.20
ISO/IEC DIS 27565	Information security, cybersecurity and privacy protection — Guidelines on privacy preservation based on zero knowledge proofs	40.00
ISO/IEC DIS 27566-1	Information technology, cybersecurity and privacy protection — Age assurance systems — Part 1: Framework	40.00
ISO/IEC WD 27566-3.2	Information technology, cybersecurity and privacy protection — Age assurance systems — Part 3: Benchmarks for benchmarking analysis	20.60
ISO/IEC DIS 27701.2	Information security, cybersecurity and privacy protection — Privacy information management systems — Requirements and guidance	40.60
ISO/IEC FDIS 27706	Requirements for bodies providing audit and certification of privacy information management systems	50.00

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC AWI 28033-1	Information security — Fully homomorphic encryption — Part 1: General	20.00
ISO/IEC AWI 28033-2	Fully homomorphic encryption — Part 2: Mechanisms for exact arithmetic on modular integers	20.00
ISO/IEC AWI 28033-3	Fully homomorphic encryption — Part 3: Mechanisms for arithmetic on approximate numbers	20.00
ISO/IEC AWI 28033-4	Information Security - Fully homomorphic encryption — Part 4: Mechanisms for arithmetic based on look-up table evaluation	20.00
ISO/IEC WD 29115.2	Information security, cybersecurity and privacy protection – Entity authentication assurance framework	20.20
ISO/IEC WD 29128-2.2	Information security, cybersecurity and privacy protection — Verification of Cryptographic Protocols — Part 2: Evaluation Methods and Activities for Cryptographic Protocols	20.60
ISO/IEC WD 29128-3.2	Information security — Verification of cryptographic protocols — Part 3: Part 3: Evaluation Methods and Activities for Protocol Implementation Verification	20.60
ISO/IEC DIS 29151	Information security, cybersecurity and privacy protection – Controls and guidance for personally identifiable information protection	40.00
ISO/IEC 29192-1:2012/DAmD 1	Information technology — Security techniques — Lightweight cryptography — Part 1: General — Amendment 1	40.20
ISO/IEC 29192-4:2013/WD Amd 2	Information technology — Security techniques — Lightweight cryptography — Part 4: Mechanisms using asymmetric techniques — Amendment 2	20.20
ISO/IEC 29192-8:2022/WD Amd 1	Information security — Lightweight cryptography — Part 8: Authenticated encryption — Amendment 1	20.20

<b>MTE/1 - MACHINE TOOLS</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/AWI TS 230-13	Test code for machine tools — Part 13: Guidelines on acceptance tests for machine tools used as coordinate measuring machines	20.00
ISO/CD 4703	Test conditions for surface grinding machines with two columns — Machines for grinding slideways — Testing of the accuracy	30.00
ISO/CD 8636-1	Machine tools — Test conditions for bridge-type milling machines — Testing of the accuracy — Part 1: Fixed bridge (portal-type) machines	30.99
ISO/FDIS 6909	Machine tools Safety — Press brakes	50.00
ISO 16089	Machine tools — Safety — Stationary grinding machines	60.00
ISO/AWI TR 23125-2	Machine tools — Safety — Turning machines — Part 2: Examples for the application of an optional special mode for manual intervention under restricted operating conditions (MO 3)	10.99

<b>PH/9 - APPLIED ERGONOMICS</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/CD 16710-2	Ergonomics methods — Part 2: A methodology for work analysis to support design	30.99
ISO/WD 25153	Ergonomics — Human-centred design of products and services — Principles and activities	20.60
ISO/CD TR 5716	Multivariate analysis tools and techniques for synthesis with anthropometric data	30.60
ISO/AWI 11228-2	Ergonomics — Manual handling — Part 2: Pushing and pulling	20.00
ISO/CD 11228-3	Ergonomics — Manual handling — Part 3: Repetitive movements and exertions of the upper limbs	30.60
ISO/AWI 15534-1	Ergonomic design for the safety of machinery — Part 1: Principles for determining the dimensions required for openings for whole-body access into machinery	20.00
ISO/AWI 15534-2	Ergonomic design for the safety of machinery — Part 2: Principles for determining the dimensions required for access openings	20.00
ISO/AWI 15534-3	Ergonomic design for the safety of machinery — Part 3: Anthropometric data	10.99



<b>PH/9 - APPLIED ERGONOMICS</b>		
<b>STANDARDS UNDERDEVELOPMENT</b>		<b>STAGE</b>
ISO/CD 22567	General requirements for establishing muscular strength databases	30.60
ISO/CD TR 23474	Safety of machinery — Ergonomic principles for the design of sorting cabins intended for the manual sorting of dry household and similar waste originating from selective collection	30.99
ISO/AWI 25033-1	Basic muscular strength measurements for technological design — Part 1: Muscular strength measurements definitions, instrumentation, and protocol	20.00
ISO/DIS 9241-112	Ergonomics of human-system interaction — Part 112: Principles for the presentation of information	40.60
ISO/CD 9241-130	Ergonomics of human-system interaction — Part 130: User assistance within interactive systems	30.60
ISO/CD 9241-171.2	Ergonomics of human-system interaction — Part 171: Guidance on software accessibility	30.99
ISO/CD 9241-222	Ergonomics of human-system interaction — Part 222: Self-assessment of human-centred design approach	30.99
ISO/CD TR 9241-313	Ergonomics of human-system interaction — Part 313: Optical measurement methods for reflective displays	30.99
ISO/CD TR 9241-520	Ergonomics of human-system interaction — Part 520: Ergonomics aspect of Activity Based Working	30.60
ISO/AWI 9241-812	Ergonomics of human-system interaction — Part 812: Guidance on "the ergonomics of" intelligent systems	20.00
ISO/FDIS 25062	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for reporting usability evaluations	50.20
ISO/CD 25063.2	Systems and software engineering — Systems and software product Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability: Context of use description	30.00

<b>QS/1/2 - QUALITY MANAGEMENT SYSTEM STANDARDS</b>	
<b>STANDARDS UNDERDEVELOPMENT</b>	<b>STAGE</b>
NON UNDERDEVELOPMENT	

For further information on any of the standards listed in this document, please do not hesitate to get in contact (contact details on final page).



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