

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 September 2022 updated booklet and the next update would be sent in December 2022.

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) 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 23218-2	Industrial automation systems and integration — Numerical control systems for machine tools — Part 2: Requirements for numerical control system integration	60.00
ISO/DIS 23704-3	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 3: Reference architecture of CPSMT for additive manufacturing	40.60
ISO/DTR 3151-1	Visualization elements of PLM-MES interface — Part 1: Overview	30.99
ISO/AWI 3151-2	Visualization elements of PLM-MES interface — Part 2: 3D error feedback in the plant industry	20.00
ISO/AWI 8000-1	Data quality — Part 1: Overview	10.99
ISO 8000-2	Data quality — Part 2: Vocabulary	60.00
ISO/DIS 8000-51	Data quality — Part 51: Data governance: Exchange of data policy statements	40.60
ISO/CD 8000-114	Data quality — Part 114: Master data: Application of ISO/IEC 21778 and ISO 8000-115 to portable data	30.20
ISO/DIS 8000-117	Data quality — Part 117: Application of ISO 8000-115 to identifiers in distributed ledgers including blockchains	40.60
ISO/AWI 8000-200	Data quality — Part 200: Transaction data: Quality of transaction data	20.00
ISO/AWI 8000-210	Data quality — Part 210: Part 210: Sensor data: Data quality characteristics	20.00
ISO/AWI PAS 8329	xMCF — Description and data standard for connection and Joining data in structural systems	10.99
ISO/CD 10303-1	Industrial automation systems and integration — Product data representation and exchange — Part 1: Overview and fundamental principles	30.20
ISO/CD 10303-2	Industrial automation systems and integration — Product data representation and exchange — Part 2: STEP Vocabulary	30.99
ISO/CD 10303-41	Industrial automation systems and integration — Product data representation and exchange — Part 41: Integrated generic resource: Fundamentals of product description and support	30.00

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD 10303-42	Industrial automation systems and integration — Product data representation and exchange — Part 42: Integrated generic resource: Geometric and topological representation	30.00
ISO/DIS 10303-43	Industrial automation systems and integration — Product data representation and exchange — Part 43: Integrated generic resource: Representation structures	40.99
ISO/AWI 10303-44	Industrial automation systems and integration — Product data representation and exchange — Part 44: Integrated generic resource: Product structure configuration	40.99
ISO/AWI 10303-46	Industrial automation systems and integration — Product data representation and exchange — Part 46: Integrated generic resource: Visual presentation	40.99
ISO/AWI 10303-47	Industrial automation systems and integration — Product data representation and exchange — Part 47: Integrated generic resource: Shape variation tolerances	40.99
ISO/AWI 10303-59	Industrial automation systems and integration — Product data representation and exchange — Part 59: Integrated generic resource: Quality of product shape data	40.99
ISO/AWI 10303-101	Industrial automation systems and integration — Product data representation and exchange — Part 101: Integrated application resource: Draughting	40.99
ISO/AWI 10303-113	Industrial automation systems and integration — Product data representation and exchange — Part 113: Integrated application resource: Mechanical features	40.99
ISO/WD 10303-209	Industrial automation systems and integration — Product data representation and exchange — Part 209: Application protocol: Multidisciplinary analysis and design	20.20
ISO 10303-238	Industrial automation systems and integration — Product data representation and exchange — Part 238: Application protocol: Model based integrated manufacturing	60.00
ISO/CD 10303-239	Industrial automation systems and integration — Product data representation and exchange — Part 239: Application protocol: Product life cycle support (PLCS)	30.99
ISO/FDIS 10303-242	Industrial automation systems and integration — Product data representation and exchange — Part 242: Application protocol: Managed model-based 3D engineering	50.20
ISO/AWI 10303-242	Industrial automation systems and integration — Product data representation and exchange — Part 242: Application protocol: Managed model-based 3D engineering	20.00

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/AWI TS 10303-400	Industrial automation systems and integration — Product data representation and exchange — Part 400: Reference ARM for SysML mapping	10.99
ISO/CD TS 10303-410	Industrial automation systems and integration — Product data representation and exchange — Part 410: Application module: AP210 electronic assembly interconnect and packaging design	30.99
ISO/CD TS 10303-442	Industrial automation systems and integration — Product data representation and exchange — Part 442: Application module: AP242 managed model based 3D engineering	30.00
ISO/AWI 10303-517	Industrial automation systems and integration — Product data representation and exchange — Part 517: Application interpreted construct: Mechanical design geometric presentation	40.99
ISO/CD TS 10303-1004	Industrial automation systems and integration — Product data representation and exchange — Part 1004: Application module: Elemental geometric shape	30.00
ISO/CD TS 10303-1005	Industrial automation systems and integration — Product data representation and exchange — Part 1005: Application module: Elemental topology	30.00
ISO/CD TS 10303-1006	Industrial automation systems and integration — Product data representation and exchange — Part 1006: Application module: Foundation representation	30.00
ISO/CD TS 10303-1027	Industrial automation systems and integration — Product data representation and exchange — Part 1027: Application module: Contextual shape positioning	30.00
ISO/CD TS 10303-1104	Industrial automation systems and integration — Product data representation and exchange — Part 1104: Application module: Specified product	30.00
ISO/CD TS 10303-1310	Industrial automation systems and integration — Product data representation and exchange — Part 1310: Application module: Draughting element	30.00
ISO/CD TS 10303-1628	Industrial automation systems and integration — Product data representation and exchange — Part 1628: Application module: Design product data management	30.00
ISO/CD TS 10303-1838	Industrial automation systems and integration — Product data representation and exchange — Part 1838: Application module: Annotated 3D model equivalence criteria	30.00
ISO/CD TS 10303-1844	Industrial automation systems and integration — Product data representation and exchange — Part 1844: Application module: General design connectivity	30.00

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD TS 10303-1846	Industrial automation systems and integration — Product data representation and exchange — Part 1846: Application module: Mechanical design features and requirements	30.00
ISO/AWI TS 10303-1848	Industrial automation systems and integration - Product data representation and exchange — Part 1848: Application module: Annotated 3d model data quality criteria	10.99
ISO/AWI TS 10303-1849	Industrial automation systems and integration - Product data representation and exchange — Part 1849: Application module: Annotated 3d model data quality inspection result	10.99
ISO/AWI TS 10303-1850	Industrial automation systems and integration - Product data representation and exchange — Part 1850: Application module: Triangulated shape data quality	10.99
ISO/AWI TS 10303-1851	Industrial automation systems and integration - Product data representation and exchange — Part 1851: Application module: PMI data quality	10.99
ISO/CD TS 10303-4439	Industrial automation systems and integration — Product data representation and exchange — Part 4439: Domain model: Product life cycle support	30.00
ISO/CD TS 10303-4442	Industrial automation systems and integration — Product data representation and exchange — Part 4442: Domain model: Managed model based 3D engineering domain	30.00
ISO/CD TS 10303-4443	Industrial automation systems and integration — Product data representation and exchange — Part 4443: Domain model: For modelling and simulation information in a collaborative systems engineering context (MoSSEC)	30.99
ISO/AWI TS 15926-4	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 4: Initial reference data	10.99
ISO/AWI 15926-6	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 6: Methodology for the development and validation of reference data	20.00
ISO/DTS 15926-11	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 11: Methodology for simplified industrial usage of reference data	30.99

AMT/4 - INDUSTRIAL DATA AND MANUFACTURING INTERFACES		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD TR 15926-14	Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 14: Data model adapted for OWL2 Direct Semantics	30.99
ISO/CD TR 17999	Reference model for industrial data	30.60
ISO/AWI 18136	Framework for Nuclear Digital Ecosystem (NDE)	20.00
ISO/AWI TS 23301	STEP geometry visualization services	20.00
ISO/DIS 29002	Industrial automation systems and integration — Exchange of characteristic data	40.99
ISO/CD 16400-2	Automation systems and integration — Equipment behaviour catalogues for virtual production system — Part 2: Formal description of catalogue template	30.60
ISO/AWI 16400-4	Automation systems and integration — Equipment behaviour catalogues for virtual production system — Part 4: Application method	20.00
ISO/AWI 17649	Model-Based Standards Authoring MBSA	20.00
ISO/DIS 19450	Automation systems and integration — Object-Process Methodology	40.20
ISO/CD 20140-5	Automation systems and integration — Evaluating energy efficiency and other factors of manufacturing systems that influence the environment — Part 5: Environmental performance evaluation data	30.60
ISO/DIS 24644-1	Mass customization value chain management — Part 1: Framework	40.60

AMT/008 ADDITIVE MANUFACTURING		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/AWI 27548	Additive manufacturing of plastics — Environment, health and safety — Test method for determination of particle and chemical emission rates from desktop 3D printer material extrusion	20.00
ISO/ASTM DIS 52902	Additive manufacturing — Test artifacts — Geometric capability assessment of additive manufacturing systems	40.99
ISO/ASTM DIS 52904	Additive manufacturing of metals — Process characteristics and performance — Metal powder bed fusion process to meet critical applications	40.00
ISO/ASTM DTR 52905	Additive manufacturing of metals — Non-destructive testing and evaluation — Defect detection in parts	30.99

AMT/008 ADDITIVE MANUFACTURING		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/ASTM DIS 52908	Additive manufacturing of metals — Finished Part properties — Post-processing, inspection and testing of parts produced by powder bed fusion	40.99
ISO/ASTM PRF 52909	Additive manufacturing of metals — Finished part properties — Orientation and location dependence of mechanical properties for metal powder bed fusion	50.20
ISO/ASTM DIS 52910	Additive manufacturing — Design — Requirements, guidelines and recommendations	40.20
ISO/ASTM FDIS 52911-3	Additive manufacturing — Design — Part 3: PBF-EB of metallic materials	50.20
ISO/ASTM DTR 52913-1	Additive manufacturing — Feedstock materials — Part 1: Parameters for characterization of powder flow properties	30.92
ISO/ASTM CD TR 52918	Additive manufacturing — Data formats — File format support, ecosystem and evolutions	30
ISO/ASTM AWI 52919	Additive manufacturing — Qualification principles — Test method for sand molds for metal casting	20
ISO/ASTM DIS 52920	Additive manufacturing — Qualification principles — Requirements for industrial additive manufacturing processes and production sites	40.99
ISO/ASTM DIS 52921	Additive manufacturing — General principles — Part positioning, coordinates and orientation	40.99
ISO/ASTM DIS 52924	Additive manufacturing of polymers — Qualification principles — Classification of part properties	40.99
ISO/ASTM DIS 52926-1	Additive Manufacturing of metals — Qualification principles — Part 1: General qualification of operators	40.99
ISO/ASTM DIS 52926-2	Additive Manufacturing of metals — Qualification principles — Part 2: Qualification of operators for PBF-LB	40.99
ISO/ASTM DIS 52926-3	Additive Manufacturing of metals — Qualification principles — Part 3: Qualification of operators for PBF-EB	40.99
ISO/ASTM DIS 52926-4	Additive Manufacturing of metals — Qualification principles — Part 4: Qualification of operators for DED-LB	40.99
ISO/ASTM DIS 52926-5	Additive Manufacturing of metals — Qualification principles — Part 5: Qualification of operators for DED-Arc	40.99
ISO/ASTM DIS 52927	Additive manufacturing — General principles — Main characteristics and corresponding test methods	40.60
ISO/ASTM CD 52928	Additive manufacturing — Feedstock materials — Powder life cycle management	30.99
ISO/ASTM AWI 52929	Additive manufacturing of metals — Powder bed fusion — Presentation of material properties in material data sheets	20.00
ISO/ASTM DIS 52931	Additive manufacturing of metals — Environment, health and safety — General principles for use of metallic materials	40.99

AMT/008 ADDITIVE MANUFACTURING		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/ASTM AWI 52933	Additive manufacturing — Environment, health and safety — Consideration for the reduction of hazardous substances emitted during the operation of the non-industrial ME type 3D printer in workplaces, and corresponding test method	20.00
ISO/ASTM DIS 52935	Additive manufacturing of metals – Qualification principles – Qualification of AM coordination personnel	40.20
ISO/ASTM DIS 52936-1	Additive manufacturing of polymers — Powder bed fusion — Part 1: General principles and preparation of test specimens for PBF-LB	40.99
ISO/ASTM AWI 52938-1	Additive manufacturing of metals — Environment, health and safety — Part 1: Safety requirements for PBF-LB machines	20.00
ISO/ASTM DIS 52939	Additive Manufacturing for construction — Qualification principles — Structural and infrastructure elements	40.00
ISO/ASTM CD 52943-2	Additive manufacturing for aerospace — Process characteristics and performance — Part 2: Directed energy deposition using wire and arc	30.60
ISO/ASTM DIS 52945	Additive manufacturing for automotive — Qualification principles — Generic machine evaluation and specification of key performance indicators for PBF-LB/M processes	40.20
ISO/ASTM DTR 52952	Additive Manufacturing of metals — Feedstock materials — Correlating of rotating drum measurement with powder spreadability in PBF-LB machines	30.99
ISO/ASTM AWI 52953	Additive Manufacturing for metals — General Principles — Registration of geometric data acquired from process-monitoring and for quality control	20.00

AMT/10 ROBOTICS		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD 5363	Robotics — Test methods for Exoskeleton-type Walking RACA Robot	30.99
ISO/AWI PAS 5672	Robotics — Collaborative applications — Test methods for measuring forces and pressures in quasi-static and transient contacts between robots and human	20.00
ISO/FDIS 10218-1	Robotics — Safety requirements — Part 1: Industrial robots	50.00
ISO/FDIS 10218-2	Robotics — Safety requirements — Part 2: Industrial robot systems, robot applications and robot cells	50.00
ISO/AWI 13482	Robotics — Safety requirements for service robots	20.00
ISO/CD 18646-2	Robotics — Performance criteria and related test methods for service robots — Part 2: Navigation	30.99

AMT/10 ROBOTICS		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD 22166-201	Robotics — Modularity for service robots — Part 201: Common information model for modules	30.99
ISO/CD 22166-202	Robotics — Modularity for service robots — Part 202: Information model for software modules	30.20
ISO/DIS 31101	Robotics — Application services provided by service robots — Safety management systems requirements	40.60

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC DIS 4922-1	Information security — Secure multiparty computation — Part 1: General	40.60
ISO/IEC CD 4922-2.2	Information security — Secure multiparty computation — Part 2: Mechanisms based on secret sharing	30.60
ISO/IEC AWI 5888	Information security, cybersecurity and privacy protection — Security requirements and evaluation activities for connected vehicle devices	20.00
ISO/IEC DTR 5891	Information security, cybersecurity and privacy protection — Hardware monitoring technology for hardware security assessment	30.99
ISO/IEC DTR 6114	Cybersecurity – Security assurance throughout the product life cycle	30.60
ISO/IEC CD TS 9569	Information security, cybersecurity and privacy protection — Towards Creating an Extension for Patch Management for ISO/IEC 15408 and ISO/IEC 18045	30.99
ISO/IEC 9797-1:2011/CD Amd 1	Information technology — Security techniques — Message Authentication Codes (MACs) — Part 1: Mechanisms using a block cipher — Amendment 1: Information technology — Security techniques — Message authentication codes (MACs) — Part 1: Mechanisms using a block cipher — Amendment 1	30.60
ISO/IEC CD 14888-4	Information technology — Security techniques — Digital signatures with appendix — Part 4: Stateful hash-based mechanisms	30.60
ISO/IEC CD 17825	Information technology — Security techniques — Testing methods for the mitigation of non-invasive attack classes against cryptographic modules	30.20
ISO/IEC CD 18031	Information technology — Security techniques — Random bit generation	30.60
ISO/IEC AWI 18033-8	Information security — Encryption algorithms — Part 8: Fully Homomorphic Encryption	20.00

ISO/IEC WD 19790.3	Information technology — Security techniques — Security requirements for cryptographic modules	20.60
ISO/IEC WD 19792	Information technology — Security techniques — Security evaluation of biometrics	20.20

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ISO/IEC CD 4922-2.2	Information security — Secure multiparty computation — Part 2: Mechanisms based on secret sharing	30.60
ISO/IEC AWI 5888	Information security, cybersecurity and privacy protection — Security requirements and evaluation activities for connected vehicle devices	20.00
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ISO/IEC 9797-1:2011/CD Amd 1	Information technology — Security techniques — Message Authentication Codes (MACs) — Part 1: Mechanisms using a block cipher — Amendment 1: Information technology — Security techniques — Message authentication codes (MACs) — Part 1: Mechanisms using a block cipher — Amendment 1	30.60
ISO/IEC CD 14888-4	Information technology — Security techniques — Digital signatures with appendix — Part 4: Stateful hash-based mechanisms	30.60
ISO/IEC CD 17825	Information technology — Security techniques — Testing methods for the mitigation of non-invasive attack classes against cryptographic modules	30.20
ISO/IEC CD 18031	Information technology — Security techniques — Random bit generation	30.60
ISO/IEC AWI 18033-8	Information security — Encryption algorithms — Part 8: Fully Homomorphic Encryption	20.00
ISO/IEC WD 19790.3	Information technology — Security techniques — Security requirements for cryptographic modules	20.60
ISO/IEC WD 19792	Information technology — Security techniques — Security evaluation of biometrics	20.20

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC WD 19896-1	IT security techniques — Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements	20.20
ISO/IEC WD 19896-2	IT security techniques — Competence requirements for information security testers and evaluators — Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers	20.20
ISO/IEC WD 19896-3	IT security techniques — Competence requirements for information security testers and evaluators — Part 3: Knowledge, skills and effectiveness requirements for ISO/IEC 15408 evaluators	20.20
ISO/IEC 20008-2:2013/DAmD 2	Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 2	40.60
ISO/IEC AWI 20008-3	Information technology — Security techniques — Anonymous digital signatures — Part 3: Mechanisms using multiple public keys	20.00
ISO/IEC CD 23264-2.3	Information security — Redaction of authentic data — Part 2: Redactable signature schemes based on asymmetric mechanisms	30.60
ISO/IEC DIS 24392	Cybersecurity — Security reference model for industrial Internet platform (SRM- IIP)	40.20
ISO/IEC WD TS 24462.2	Ontology for ICT Trustworthiness Assessment	20.20
ISO/IEC DTR 24485	Information security, cybersecurity and privacy protection — Security techniques — Security properties and best practices for test and evaluation of white box cryptography	50.20
ISO/IEC 24760-1:2019/DAmD 1	IT Security and Privacy — A framework for identity management — Part 1: Terminology and concepts — Amendment 1: Additional terminology items and concepts	40.20
ISO/IEC 24760-3:2016/DAmD 1	Information technology — Security techniques — A framework for identity management — Part 3: Practice — Amendment 1: Identity Information Lifecycle processes	40.20
ISO/IEC FDIS 27001	Information security, cybersecurity and privacy protection — Information security management systems — Requirements	50.20
ISO/IEC 27005	Information security, cybersecurity and privacy protection — Guidance on managing information security risks	60.00
ISO/IEC DIS 27006-1	Requirements for bodies providing audit and certification of information security management systems — Part 1: General	40.20
ISO/IEC CD 27006-2	Requirements for bodies providing audit and certification of information security management systems — Part 2: Privacy information management systems	30.60

IST/33 - INFORMATION SECURITY, CYBERSECURITY AND PRIVACY PROTECTION		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/IEC CD 27031	Information technology — Cybersecurity — Information and communication technology readiness for business continuity	30.60
ISO/IEC DIS 27032	Cybersecurity — Guidelines for Internet security	40.20
ISO/IEC DIS 27033-7	Information technology – Network security — Part 7: Guidelines for network virtualization security	40.00
ISO/IEC DIS 27036-3	Cybersecurity — Supplier relationships — Part 3: Guidelines for hardware, software, and services supply chain security	40.60
ISO/IEC DIS 27040	Information technology — Security techniques — Storage security	40.20
ISO/IEC CD 27046	Information technology — Big data security and privacy — Implementation guidelines	30.20
ISO/IEC DIS 27071	Cybersecurity — Security recommendations for establishing trusted connections between devices and services	40.20
ISO/IEC AWI TR 27109	Cybersecurity education and training	20.00
ISO/IEC CD 27402.2	Cybersecurity — IoT security and privacy — Device baseline requirements	30.60
ISO/IEC CD 27403.2	Cybersecurity – IoT security and privacy – Guidelines for IoT-domotics	30.60
ISO/IEC 27553-1	Information security, cybersecurity and privacy protection — Security and Privacy requirements for authentication using biometrics on mobile devices — Part 1: Local modes	60.00
ISO/IEC AWI 27553-2	Information security, cybersecurity and privacy protection — Security and privacy requirements for authentication using biometrics on mobile devices — Part 2: Part 2: remote modes	20.00
ISO/IEC CD 27554.2	Application of ISO 31000 for assessment of identity-related risk	30.60
ISO/IEC 27556	Information security, cybersecurity and privacy protection — User-centric privacy preferences management framework	60.00
ISO/IEC FDIS 27557	Information security, cybersecurity and privacy protection — Application of ISO 31000:2018 for organizational privacy risk management	50.20
ISO/IEC FDIS 27559	Information security, cybersecurity and privacy protection – Privacy enhancing data de-identification framework	50.20
ISO/IEC CD 27561	Information technology — Security techniques — Privacy operationalisation model and method for engineering (POMME)	30.60
ISO/IEC CD TR 27563	Security and privacy in artificial intelligence use cases	30.60
ISO/IEC 29134:2017/DAmD 1	Information technology — Security techniques — Guidelines for privacy impact assessment — Amendment 1	40.60

MTE/1/1 - MACHINE TOOLS - SAFETY		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD 2407.2	Test conditions for internal cylindrical grinding machines with horizontal spindle — Testing of accuracy	30.2
ISO/DIS 2773	Test conditions for pillar type vertical drilling machines — Testing of the accuracy	40.6
ISO/DIS 6779	Test conditions for vertical internal type broaching machines — Testing of accuracy	40.60
ISO/CD 8636-2.2	Machine tools — Test conditions for bridge-type milling machines — Testing of the accuracy — Part 2: Travelling bridge (gantry-type) machines	30.20
ISO/FDIS 10791-2	Test conditions for machining centres — Part 2: Geometric tests for machines with vertical spindle (vertical Z-axis)	50.00
ISO 10791-6:2014/AWI Amd 1	Test conditions for machining centres — Part 6: Accuracy of speeds and interpolations — Amendment 1: 8-shaped interpolation motion (Annex A/B/CK5) and S-shaped interpolation motion (Annex E)	20.00
ISO 10791-10	Test conditions for machining centres — Part 10: Evaluation of thermal distortions	60.00
ISO/AWI 6909	Machine tools Safety — Press brakes	20
ISO/DIS 16089	Machine tools — Safety — Stationary grinding machines	40.99
ISO/FDIS 16090-1	Machine tools safety — Machining centres, milling machines, transfer machines — Part 1: Safety requirements	50.2
ISO/CD 23125-1	Machine tools safety — Turning machines — Part 1: Safety requirements	30.6
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

PH/9 - APPLIED ERGONOMICS		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/WD 10075-2	Ergonomic principles related to mental workload — Part 2: Design principles	20.20
ISO/DTR 9241-100	Ergonomics of human-system interaction — Part 100: Overview of ISO 9241 software ergonomic standards	50.00
ISO/CD 9241-115	Ergonomics of human-system interaction — Part 115: Guidance on conceptual design, user-system interaction design, user interface design, and navigation design	30.60
ISO/DIS 9241-221	Ergonomics of human-system interaction — Part 221: Human-centred design process assessment model	40.20

PH/9 - APPLIED ERGONOMICS		
STANDARDS UNDERDEVELOPMENT		STAGE
ISO/CD 9241-381	Ergonomics of human-system interaction — Part 381: Requirements for optical characteristics of head-mounted displays related to human-system interaction	30.60
ISO/TR 9241-610	Ergonomics of human-system interaction — Part 610: Impact of light and lighting on users of interactive systems	60.00
ISO/AWI TS 9241-620	Ergonomic requirements for office work with visual display terminals (VDTs) — Part 620: The role of sound for users of interactive systems	20.00
ISO/AWI 9241-820	Ergonomic requirements for office work with visual display terminals (VDTs) — Part 820: Ergonomic guidance on interactions in immersive environments, augmented reality, and virtual reality	20.00
ISO/CD 9241-920	Ergonomics of human-system interaction — Part 920: Tactile and haptic interactions	30.60
ISO/DTR 25060	Systems and software engineering — Systems and software product Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability: General framework for usability-related information	50.00
ISO/DIS 25062	Systems and software engineering — Systems and Software Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability: Quantitative usability test report	40.60
ISO/DIS 7933.2	Ergonomics of the thermal environment — Analytical determination and interpretation of heat stress using calculation of the predicted heat strain	40.99
ISO/DIS 8025	Ergonomics of the thermal environment : Management of working conditions in hot environments	40.20

QS/1/2 - QUALITY MANAGEMENT SYSTEM STANDARDS	
STANDARDS UNDERDEVELOPMENT	STAGE
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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