No	Category	MS/ISO Code	MS/ISO Title
Blockchain			
1	IT Security	ISO/TR 23244:2020	Blockchain and distributed ledger technologies — Privacy and personally identifiable information protection considerations
2	IT Security	ISO/TR 23455:2019	Blockchain and distributed ledger technologies — Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems
Intelligent Transport System			
3	IT applications in transport	ISO 17427-1:2018	Intelligent transport systems — Cooperative ITS — Part 1: Roles and responsibilities in the context of co-operative ITS architecture(s)
4	IT applications in transport	ISO 12813:2019	Electronic fee collection — Compliance check communication for autonomous systems
5	IT applications in transport	ISO 13141:2015/AMD 1:2017	Electronic fee collection — Localisation augmentation communication for autonomous systems — Amendment 1
6	IT applications in transport	ISO 13185-3:2018	Intelligent transport systems — Vehicle interface for provisioning and support of ITS Services — Part 3: Unified vehicle interface protocol (UVIP) server and client API specification
7	IT applications in transport	ISO 13185-4:2020	Intelligent transport systems — Vehicle interface for provisioning and support of ITS Services — Part 4: Unified vehicle interface protocol (UVIP) conformance test specification
8	IT applications in transport	ISO 13111-1:2017	Intelligent transport systems (ITS) — The use of personal ITS station to support ITS service provision for travellers — Part 1: General information and use case definitions
9	IT applications in transport	ISO/TR 10992-2:2017	Intelligent transport systems — Use of nomadic and portable devices to support ITS service and multimedia provision in vehicles — Part 2: Definition and use cases for mobile service convergence
10	IT applications in transport	ISO 14296:2016	Intelligent transport systems — Extension of map database specifications for applications of cooperative ITS
11	IT applications in transport	ISO 14813-6:2017	Intelligent transport systems — Reference model architecture(s) for the ITS sector — Part 6: Use of ASN.1
12	IT applications in transport	ISO 14816:2005	Road transport and traffic telematics — Automatic vehicle and equipment identification — Numbering and data structure

13	IT applications in transport	ISO 14816:2005/AMD 1:2019	Road transport and traffic telematics — Automatic vehicle and equipment identification — Numbering and data structure — Amendment 1
14	IT applications in transport	ISO 14817-1:2015	Intelligent transport systems — ITS central data dictionaries — Part 1: Requirements for ITS data definitions
15	IT applications in transport	ISO 14817-2:2015	Intelligent transport systems — ITS central data dictionaries — Part 2: Governance of the Central ITS Data Concept Registry
16	IT applications in transport	ISO 14817-3:2017	Intelligent transport systems — ITS data dictionaries — Part 3: Object identifier assignments for ITS data concepts
17	IT applications in transport	ISO 14907-1:2020	Electronic fee collection — Test procedures for user and fixed equipment — Part 1: Description of test procedures
18	IT applications in transport	ISO/TS 15638-4:2020	Intelligent transport systems — Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) — Part 4: System security requirements
19	IT applications in transport	ISO 15638-22:2019	Intelligent transport systems — Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) — Part 22: Freight vehicle stability monitoring
20	IT applications in transport	ISO 15638-21:2018	Intelligent transport systems — Framework for cooperative telematics applications for regulated commercial freight vehicles (TARV) — Part 21: Monitoring of regulated vehicles using roadside sensors and data collected from the vehicle for enforcement and other purposes
21	IT applications in transport	ISO 16787:2017	Intelligent transport systems — Assisted parking system (APS) — Performance requirements and test procedures
22	IT applications in transport	ISO/TS 17429:2017	Intelligent transport systems — Cooperative ITS — ITS station facilities for the transfer of information between ITS stations
23	IT applications in transport	ISO 17438-4:2019	Intelligent transport systems — Indoor navigation for personal and vehicle ITS station — Part 4: Requirements and specifications for interface between personal/vehicle and central ITS stations
24	IT applications in transport	ISO 17572-4:2020	Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 4: Precise relative location references (precise relative profile)
25	IT applications in transport	ISO 17573-1:2019	Electronic fee collection — System architecture for vehicle-related tolling — Part 1: Reference model

26	IT applications in transport	ISO/TS 17574:2017	Electronic fee collection — Guidelines for security protection profiles
27	IT applications in transport	ISO/TS 19082:2020	Intelligent transport systems — Definition of data elements and data frames between roadside modules and signal controllers for cooperative signal control
28	IT applications in transport	ISO/TS 19091:2019	Intelligent transport systems — Cooperative ITS — Using V2I and I2V communications for applications related to signalized intersections
29	IT applications in transport	ISO 19297-1:2019	Intelligent transport systems — Shareable geospatial databases for ITS applications — Part 1: Framework
30	IT applications in transport	ISO/TS 19468:2019	Intelligent transport systems — Data interfaces between centres for transport information and control systems — Platform independent model specifications for data exchange protocols for transport information and control systems
31	IT applications in transport	ISO/TS 21177:2019	Intelligent transport systems — ITS station security services for secure session establishment and authentication between trusted devices
32	IT applications in transport	ISO 21218:2018	Intelligent transport systems — Hybrid communications — Access technology support
33	IT applications in transport	ISO/TS 21219-21:2018	Intelligent transport systems — Traffic and travel information via transport protocol experts group, generation 2 (TPEG2) — Part 21: Geographic location referencing (TPEG-GLR)
34	IT applications in transport	ISO/TR 21718:2019	Intelligent transport systems — Spatio-temporal data dictionary for cooperative ITS and automated driving systems 2.0
35	IT applications in transport	ISO/TR 22085-1:2019	Intelligent transport systems (ITS) — Nomadic device service platform for micro-mobility — Part 1: General information and use case definitions
36	IT applications in transport	ISO/TR 22086-1:2019	Intelligent transport systems (ITS) — Network based precise positioning infrastructure for land transportation — Part 1: General information and use case definitions
37	IT applications in transport	ISO 24097-1:2017	Intelligent transport systems — Using web services (machine-machine delivery) for ITS service delivery — Part 1: Realization of interoperable web services
38	IT applications in transport	MS ISO/TS 24530-1:2007 (CONFIRMED:2012)	Traffic and Travel Information (TTI) – TTI Via Transport Protocol Experts Group (TPEG) Extensible Markup Language (XML) - Part 1: Introduction, Common Data Types and TPEGML (ISO/TS 24530-1:2006, IDT)

39	IT applications in transport	MS ISO/TS 24530-2:2007 (CONFIRMED:2012)	Traffic and Travel Information (TTI) - TTI Via Transport Protocol Experts Group (TPEG) Extensible Markup Language (XML) - Part 2: TPEG-LOCML (ISO/TS 24530-2:2006, IDT)
40	IT applications in transport	MS ISO/TS 24530-3:2007 (CONFIRMED:2012)	Traffic and Travel Information (TTI) - TTI Via Transport Protocol Experts Group (TPEG) Extensible Markup Language (XML) - PART 3: TPEG-RTMML (ISO/TS 24530-3:2006, IDT)
41	IT applications in transport	MS ISO/TS 24530-4:2007 (CONFIRMED:2012)	Traffic and Travel Information (TTI) - TTI Via Transport Protocol Experts Group (TPEG) Extensible Markup Language (XML) - PART 4: TPEG-PTIML (ISO/TS 24530-4:2006, IDT)
Internet of things (IoT) and digital twin			
42	Telecommunications in general	ISO/IEC 21823-1:2019 Edition 1.0 (2019-02-15)	Internet of Things (IoT) - Interoperability for IoT systems - Part 1: Framework
43	Telecommunications in general	ISO/IEC 21823-2:2020	Internet of Things (IoT) - Interoperability for IoT systems - Part 2: Transport interoperability
44	Telecommunications in general	ISO/IEC TR 22417:2017	Information technology - Internet of things (IoT) - IoT use cases
45	Network	ISO/IEC 20005:2013 Edition 1.0 (2013-07-03)	Information technology - Sensor networks - Services and interfaces supporting collaborative information processing in intelligent sensor networks
46	Information technology (IT) in general	ISO/IEC 20924:2018 Edition 1.0 (2018-12-07)	Internet of Things (IoT) - Vocabulary
47	Information technology (IT) in general	ISO/IEC 30141:2018 Edition 1.0 (2018-08-30)	Internet of Things (IoT) - Reference architecture
48	Flow in closed conduits	ISO/IEC TR 30148:2019 Edition 1.0 (2019-10-22)	Internet of things (IoT) - Application of sensor network for wireless gas meters
49	Information technology (IT) in general	ISO/IEC TR 30164:2020 Edition 1.0 (2020-04-24)	Internet of Things (IoT) - Edge computing
50	IT applications in industry	ISO/IEC TR 30166:2020 Edition 1.0 (2020-04-29)	Internet of Things (IoT) - Industrial IoT

No	Category	Standard	Description
51	IoT	ISO/IEC 30161-1	Internet of things (IoT) - Data exchange platform for IoT services - Part 1: General requirements and architecture
52	IoT	ISO/IEC 30163	Internet of Things (IoT) - System requirements of IoT and sensor network technology-based integrated platform for chattel asset monitoring
Biometrics			
53	Biometric	ISO/IEC TR 29156:2015	Information technology — Guidance for specifying performance requirements to meet security and usability needs in applications using biometrics
54	Biometric	ISO/IEC 19795-4:2008(en)	Information technology — Biometric performance testing and reporting — Part 4: Interoperability performance testing
55	Biometric	ISO/IEC 24713-1:2008	Information technology — Biometric profiles for interoperability and data interchange — Part 1: Overview of biometric systems and biometric profiles
Information Security			
56	IT Security	MS 2539:2014	Information Technology- Security Techniques - Information Security Management Guidelines for Industrial Automation and Control System (IACS) based on MS ISO/IEC 27002
57	IT Security	MS ISO/IEC 27001:2013	Information Technology- Security Techniques - Information Security Management Systems - Requirements (First Revision) (ISO/IEC 27001:2013, IDT)(Published by Standards Malaysia in 2014)
58	IT Security	MS ISO/IEC 27006:2007	Information Technology - Security Techniques - Requirements for Bodies Providing Audit and Certification of Information Security Management Systems (ISO/IEC 27006:2007, IDT)
59	IT Security	MS ISO/IEC 27001:2017 (BM)	Teknologi Maklumat - Teknik Keselamatan - Sistem Pengurusan Keselamatan Maklumat - Keperluan (Semakan Pertama) (ISO/IEC 27001:2013, IDT)
60	IT Security	MS ISO/IEC 27002:2017 (BM)	Teknologi Maklumat - Teknik Keselamatan - Kod Amalan Untuk Kawalan Keselamatan Maklumat (Semakan Pertama) (ISO/IEC 27002:2013, IDT)
61	IT Security	MS ISO/IEC 27003:2014	Information Technology - Security Techniques - Information Security Management System Implementation Guidance (ISO/IEC 27003:2010, IDT)

62	IT Security	MS ISO/IEC 27004:2014	Information Technology - Security Techniques - Information Security Management - Measurement (ISO/IEC 27004:2009, IDT)
63	IT Security	MS ISO/IEC 27005:2012	Information Technology - Security Techniques - Information Security Risk Management (ISO/IEC 27005:2011, IDT)
64	IT Security	MS ISO/IEC 11770-1:2012	Information Technology - Security Techniques - Key Management - Part 1: Framework (FIRST REVISION) (ISO/IEC 11770-1:2010, IDT)
65	IT Security	MS ISO/IEC 27002:2013	Information Technology - Security Techniques - Code Of Practice For Information Security Controls (First Revision) (ISO/IEC 27002:2013, IDT)(Published By Standards Malaysia In 2014)
66	IT Security	MS ISO/IEC 27033-1:2012	Information Technology - Security Techniques - Network Security - Part 1: Overview and Concept (ISO/IEC 27033-1:2009, IDT)
67	IT Security	MS 1883:PART 1:2005	Software Engineering - Product Quality - Part 1: Quality Model (First Revision) (ISO/IEC 9126-1:2001, IDT)
68	IT Security	MS 1883:PART 2:2005	Software Engineering - Product Quality - Part 2: External Metrics (First Revision) (ISO/IEC TR 9126-2:2003, IDT)
69	IT Security	MS 1883:PART 3:2005	Software Engineering - Product Quality - Part 3: Internal Metrics (First Revision) (ISO/IEC TR 9126-3:2003, IDT)
70	IT Security	MS 1883:PART 4:2005	Software Engineering - Product Quality - Part 4: Quality In Use Metrics(First Revision)(ISO/IEC TR 9126-4:2004, IDT)
71	IT Security	MS ISO/IEC 15504-1:2005 (CONFIRMED:2011)	Information Technology - Process Assessment - Part 1: Concepts and Vocabulary (ISO/IEC 15504-1:2004, IDT)
72	IT Security	MS ISO/IEC 15504-2:2005 (CONFIRMED:2011)	Information Technology - Process Assessment - Part 2: Performing An Assessment (ISO/IEC 15504-2:2003 And Technical Corrigendum 1:2004, IDT)
73	IT Security	MS ISO/IEC 15504-3:2005 (CONFIRMED:2011)	Information Technology - Process Assessment - Part 3: Guidance On Performing An Assessment (ISO/IEC 15504-3:2004, IDT)
74	IT Security	MS ISO/IEC 15504-4:2005 (CONFIRMED:2011)	Information Technology - Process Assessment - Part 4: Guidance On Use For Process Improvement And Capability Ditermination (ISO/IEC 15504-4:2004, IDT)
75	IT Security	MS ISO/IEC 20000-1:2017	Information Technology - Service Management - Part 1: Service Management System Requirements (First Revision) (ISO/IEC 20000-1:2011, IDT)

76	IT Security	MS ISO/IEC 20000-2:2017	Information Technology - Service Management - Part 2: Guidance On The Application Of Service Management Systems (First Revision) (ISO/IEC 20000-2:2012, IDT)
77	IT Security	MS 1903:2006	Next Generation Network (NGN) Realisation
78	IT Security	ISO/IEC 27007:2020	Information security, cybersecurity and privacy protection — Guidelines for information security management systems auditing
79	IT Security	ISO/IEC 27009:2020	Information security, cybersecurity and privacy protection — Sector-specific application of ISO/IEC 27001 — Requirements
80	IT Security	ISO/IEC 27032:2012	Information technology — Security techniques — Guidelines for cybersecurity
81	IT Security	ISO/IEC 27102:2019	Information security management — Guidelines for cyber-insurance
82	IT Security	ISO/IEC TR 27103:2018	Information technology — Security techniques — Cybersecurity and ISO and IEC Standards
83	IT Security	ISO/IEC 27034-5:2017	Information technology — Security techniques — Application security — Part 5: Protocols and application security controls data structure
84	IT Security	ISO/IEC 29100:2011	Information technology — Security techniques — Privacy framework
85	IT Security	ISO/IEC 15408-1:2009	Information technology — Security techniques — Evaluation criteria for IT security — Part 1: Introduction and general model
86	Software engineering	ISO/IEC 25012:2008	Software engineering — Software product Quality Requirements and Evaluation (SQuaRE) — Data quality model
87	Software engineering	ISO/IEC 25024:2015	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Measurement of data quality
Cards and security devices for personal identification			
88	Multipurpose smart card	MS 1960:Part 1:2007	Code Of Practice For Multipurpose Smart Card - Part 1: General Characteristics
89	Multipurpose smart card	MS 1960:Part 2:2007	Code Of Practice For Multipurpose Smart Card - Part 2: Data Format For National Id Application
90	Multipurpose card	MS 1960-1:2015	Government Multipurpose Card - Part 1: General Characteristics - Code Of Practice (First Revision)
91	Multipurpose card	MS 1960-2:2015	Government Multipurpose Card - Part 2: Data Format For National Id Application - Code Of Practice (First Revision)
92	Multipurpose smart card	MS 2287-1:2010	Interface Device For Malaysia Multipurpose Smart Card - Part 1: Physical Characteristics
93	Multipurpose smart card	MS 2287-2:2010	Interface Device For Malaysia Multipurpose Smart Card - Part 2: Electrical Characteristics

94	Multipurpose smart card	MS 2287-3:2010	Interface Device For Malaysia Multipurpose Smart Card - Part 3: Communication Protocol
95	Multipurpose smart card	MS 2287-4:2010	Interface Device For Malaysia Multipurpose Smart Card - Part 4: Test Methods
96	Multipurpose smart card	MS 2287-5:2010	Interface Device For Malaysia Multipurpose Smart Card - Part 5: Guidelines For Applications Development
97	Multipurpose smart card	MS 2482-1:2012	Code Of Practice For Deploying Secure Applications Through The Third Party Gateway For Malaysia Multipurpose Smart Card - Part 1: Secure Connectivity
98	Multipurpose card	MS 2482-1:2015	Code Of Practice For Deploying Secure Applications Through The Third Party Gateway For Government Multipurpose Card - Part 1: Secure Connectivity (First Revision)
99	Multipurpose smart card	MS 2525:2013	Software Development Kit For Malaysia Multipurpose Smart Card
100	Identification cards	ISO/IEC 7816-4:2013	Identification cards — Integrated circuit cards — Part 4: Organization, security and commands for interchange
101	Identification cards	ISO/IEC 7816-8:2019	Identification cards — Integrated circuit cards — Part 8: Commands and mechanisms for security operations
102	Identification cards	ISO/IEC 24727-6:2010	Identification cards — Integrated circuit card programming interfaces — Part 6: Registration authority procedures for the authentication protocols for interoperability
103	Identification cards	ISO/IEC TR 29123:2007	Identification Cards — Proximity Cards — Requirements for the enhancement of interoperability
104	Identification cards	ISO/IEC 18328-3:2016	Identification cards — ICC-managed devices — Part 3: Organization, security and commands for interchange
105	Identification cards	ISO/IEC 10373-7:2019	Cards and security devices for personal identification — Test methods — Part 7: Contactless vicinity objects
Coding of audio, picture, multimedia and hypermedia information			
106	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 11172-1:2003	Information Technology - Coding Of Moving Pictures And Associated Audio For Digital Storage Media At Up To About 1,5mbit/S - Part 1 : Systems
107	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 11172-2:2003	Information Technology - Coding Of Moving Pictures And Associated Audio For Digital Storage Media At Up To About 1,5mbit/S - Part 2 : Video

108	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 11172-3:2003	Information Technology - Coding Of Moving Pictures And Associated Audio For Digital Storage Media At Up To About 1,5mbit/S- Part 3: Audio
109	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 11172-4:2003	Information Technology - Coding Of Moving Pictures And Associated Audio For Digital Storage Media At Up To About 1,5mbit/S - Part 4 : Conformance Testing
110	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 13818-1:2009	Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Systems
111	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 13818-10:2009	Information Technology - Generic Coding of Moving Pictures and Associated Audio Information - Part 10: Conformance Extensions for Digital Storage Media Command and Control (DSM-CC)
112	Coding of audio, video, multimedia and hypermedia information	MS ISO/IEC 13818-9:2009	Information Technology - Generic Coding Of Moving Pictures And Associated Audio Information - Part 9: Extension For Real Time Interface For Systems Decoders (ISO/IEC 13818-9:1996, IDT)
113	Coding of audio, video, multimedia and hypermedia information	ISO/IEC 16500-7:1999	Information technology — Generic digital audio-visual systems — Part 7: Basic security tools
114	Coding of audio, video, multimedia and hypermedia information	ISO/IEC 19566-4:2020	Information technologies — JPEG systems — Part 4: Privacy and security
115	Coding of audio, video, multimedia and hypermedia information	ISO/IEC 13522-7:2001	Information technology — Coding of multimedia and hypermedia information — Part 7: Interoperability and conformance testing for ISO/IEC 13522-5
116	Coding of audio, video, multimedia and hypermedia information	ISO/IEC 9281-2:1990	Information technology — Picture coding methods — Part 2: Procedure for registration
117	Coding of audio, video, multimedia and hypermedia information	ISO/IEC 9281-1:1990	Information technology — Picture coding methods — Part 1: Identification
Interoperability, integration, and architectures for enterprise systems and automation applications			

118	Interoperability, integration, and architectures for enterprise systems and automation applications	ISO 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
119	Interoperability, integration, and architectures for enterprise systems and	IEC 62264-1	Enterprise-control system integration - Part 1: Models and terminology
120	Interoperability, integration, and architectures for enterprise systems and	IEC 62264-2	Enterprise-control system integration - Part 2: Object and attributes for enterprise-control system integration
121	Interoperability, integration, and architectures for enterprise systems and	IEC 62264-3	Enterprise-control system integration - Part 3: Activity models of manufacturing operations management
Artificial intelligent			
122	Artificial Intelligent	ISO/IEC 20546	Information technology - Big data - Overview and vocabulary
123	Artificial Intelligent	ISO/IEC TR 20547-1	Information technology - Big data reference architecture - Part 1: Framework and application process
124	Artificial Intelligent	ISO/IEC TR 20547-2	Information technology - Big data reference architecture - Part 2: Use cases and derived requirements
125	Artificial Intelligent	ISO/IEC 20547-3	Information technology - Big data reference architecture - Part 3: Reference architecture
126	Artificial Intelligent	ISO/IEC TR 20547-5	Information technology - Big data reference architecture - Part 5: Standards roadmap
127	Artificial Intelligent	ISO/IEC TR 24028	Information technology - Artificial intelligence - Overview of trustworthiness in artificial intelligence
Information security, cybersecurity and privacy protection			
128	Information security, cybersecurity and privacy protection	ISO/IEC 20897-1	Information security, cybersecurity and privacy protection - Physically unclonable functions - Part 1: Security requirements
Software and systems engineering			
129	Software and systems engineering	ISO/IEC TR 29119-11	Software and systems engineering - Software testing - Part 11: Guidelines on the testing of AI-based system
Industrial-process measurement, control and automation			
130	Industrial-process measurement, control and automation	IEC 60381-1	Analogue signals for process control systems. Part 1: Direct current signals

131	Industrial-process measurement, control and automation	IEC 60381-2	Analogue signals for process control systems. Part 2: Direct voltage signals
132	Industrial-process measurement, control and automation	IEC 60382	Analogue pneumatic signal for process control systems
133	Industrial-process measurement, control and automation	IEC 60946	Binary direct voltage signals for process measurement and control systems
134	Industrial-process measurement, control and automation	IEC 61506	Industrial-process measurement and control - Documentation of application software
135	Industrial-process measurement, control and automation	IEC 62419	Control technology - Rules for the designation of measuring instrument
136	Industrial-process measurement, control and automation	IEC 62424	Representation of process control engineering - Requests in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools
137	Industrial-process measurement, control and automation	IEC TS 62443-1-1	Industrial communication networks - Network and system security - Part 1-1: Terminology, concepts and models
138	Industrial-process measurement, control and automation	IEC 62443-2-1	Industrial communication networks - Network and system security - Part 2-1: Establishing an industrial automation and control system security program
139	Industrial-process measurement, control and automation	IEC TR 62443-2-3	Security for industrial automation and control systems - Part 2-3: Patch management in the IACS environment
140	Industrial-process measurement, control and automation	IEC 62443-2-4	Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers
141	Industrial-process measurement, control and automation	IEC TR 62443-3-1	Industrial communication networks - Network and system security - Part 3-1: Security technologies for industrial automation and control systems
142	Industrial-process measurement, control and automation	IEC 62443-3-2	Security for industrial automation and control systems - Part 3-2: Security risk assessment for system design
143	Industrial-process measurement, control and automation	IEC 62443-3-3	Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels
144	Industrial-process measurement, control and automation	IEC 62443-3-3	Corrigendum 1 - Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels

145	Industrial-process measurement, control and automation	IEC 62443-4-1	Security for industrial automation and control systems - Part 4-1: Secure product development lifecycle requirements
146	Industrial-process measurement, control and automation	IEC 62443-4-2	Security for industrial automation and control systems - Part 4-2: Technical security requirements for IACS components
147	Industrial-process measurement, control and automation	IEC 62832-1	Industrial-process measurement, control and automation - Digital factory framework - Part 1: General principles
148	Industrial-process measurement, control and automation	IEC 62832-2	Industrial-process measurement, control and automation - Digital factory framework - Part 2: Model elements
149	Industrial-process measurement, control and automation	IEC 62832-3	Industrial-process measurement, control and automation - Digital factory framework - Part 3: Application of Digital Factory for life cycle management of production systems
150	Industrial-process measurement, control and automation	IEC TR 62837	Energy efficiency through automation systems
151	Industrial-process measurement, control and automation	IEC TS 62872-1	Industrial-process measurement, control and automation - Part 1: System interface between industrial facilities and the smart grid
152	Industrial-process measurement, control and automation	IEC 62890	Industrial-process measurement, control and automation - Lifecycle-management for systems and components
153	Industrial-process measurement, control and automation	IEC TR 63069	Industrial-process measurement, control and automation - Framework for functional safety and security
154	Industrial-process measurement, control and automation	IEC PAS 63088	Smart manufacturing - Reference architecture model industry 4.0 (RAMI4.0)
155	Industrial-process measurement, control and automation	IEC PAS 63131	System control diagram
156	Industrial-process measurement, control and automation	IEC TS 63164-1	Reliability of industrial automation devices and systems - Part 1: Assurance of automation devices reliability data and specification of their source
157	Industrial-process measurement, control and automation	IEC TR 63164-2	Reliability of industrial automation devices and systems - Part 2: System reliability
158	Industrial-process measurement, control and automation	IEC PAS 63325	Lifecycle requirements for functional safety and security for IACS
Devices and integration in enterprise systems			
159	Devices and integration in enterprise systems	IEC TR 62541-1	OPC Unified Architecture - Part 1: Overview and concepts

160	Devices and integration in enterprise systems	IEC 62264-4	Enterprise-control system integration - Part 4: Objects models attributes for manufacturing operations management integration
161	Devices and integration in enterprise systems	IEC 62264-5	Enterprise-control system integration - Part 5: Business to manufacturing transactions
162	Devices and integration in enterprise systems	IEC 62264-6	Enterprise-control system integration – Part 6: Messaging service model
Measurement and control devices			
163	Measurement and control devices	IEC 61131-1	Programmable controllers - Part 1: General information
164	Measurement and control devices	IEC 61131-2	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests
165	Measurement and control devices	IEC 61131-3	Programmable controllers - Part 3: Programming languages
166	Measurement and control devices	IEC TR 61131-4	Programmable controllers - Part 4: User guidelines
167	Measurement and control devices	IEC 61131-5	Programmable controllers - Part 5: Communication
168	Measurement and control devices	IEC 61131-6	Programmable controllers - Part 6: Functional safety
169	Measurement and control devices	IEC 61131-7	Programmable controllers - Part 7: Fuzzy control programming
170	Measurement and control devices	IEC TR 61131-8	Industrial-process measurement and control - Programmable controllers - Part 8: Guidelines for the application and implementation of programming languages
171	Measurement and control devices	IEC 61131-9	Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)
Safety of motor-operated electric tools			
172	Safety of motor-operated electric tools	IEC 62841-3-1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-1: Particular requirements for transportable table saws
Systems aspects			
173	Systems aspects	IEC TR 61511-0	Functional safety - Safety instrumented systems for the process industry sector - Part 0: Functional safety for the process industry and IEC 61511

174	Systems aspects	IEC 61511-1	Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming requirements
175	Systems aspects	IEC 61511-2	Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1:2016
176	Systems aspects	IEC 61511-3	Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels
177	Systems aspects	IEC TR 61511-4	Functional safety - Safety instrumented systems for the process industry sector - Part 4: Explanation and rationale for changes in IEC 61511-1 from Edition 1 to Edition 2