List of ISO/IEC JTC1 SC31 standards		
Published standard and/or project	Stage	RF/RFID
<u>ISO 1073-1:1976</u>	90.93	
Alphanumeric character sets for optical recognition Part 1: Character set OCR-A Shapes and dimensions of the printed image		
<u>ISO 1073-2:1976</u>	90.60	
Alphanumeric character sets for optical recognition Part 2: Character set OCR-B Shapes and dimensions of the printed image		
<u>ISO 1831:1980</u>	90.93	
Printing specifications for optical character recognition		
ISO/IEC/IEEE 8802-15-4:2010	<u>60.60</u>	YES
Information technology Telecommunications and information exchange between systems Local and metropolitan area networks Specific requirements Part 15-4: Wireless medium access control (MAC) and physical layer (PHY) specifications for low-rate wireless personal area networks (WPANs)		
ISO/IEC 15415:2011	60.60	
Information technology Automatic identification and data capture techniques Bar code symbol print quality test specification Two-dimensional symbols		
ISO/IEC 15416:2000	90.20	

Information technology Automatic identification and data capture techniques Bar code print quality test specification Linear symbols	
<u>ISO/IEC 15417:2007</u>	90.93
Information technology Automatic identification and data capture techniques Code 128 bar code symbology specification	
ISO/IEC 15418:2009	<u>60.60</u>
Information technology Automatic identification and data capture techniques GS1 Application Identifiers and ASC MH10 Data Identifiers and maintenance	
ISO/IEC 15419:2009	<u>60.60</u>
Information technology Automatic identification and data capture techniques Bar code digital imaging and printing performance testing	
<u>ISO/IEC 15420:2009</u>	<u>60.60</u>
Information technology Automatic identification and data capture techniques EAN/UPC bar code symbology specification	
<u>ISO/IEC 15421:2010</u>	60.60
Information technology Automatic identification and data capture techniques Bar code master test specifications	
ISO/IEC 15423:2009	60.60

Information technology Automatic identification and data capture techniques Bar code scanner and decoder performance testing		
ISO/IEC 15424:2008	<u>60.60</u>	
Information technology Automatic identification and data capture techniques Data Carrier Identifiers (including Symbology Identifiers)		
ISO/IEC 15426-1:2006	90.60	
Information technology Automatic identification and data capture techniques Bar code verifier conformance specification Part 1: Linear symbols		
ISO/IEC 15426-2:2005	90.92	
Information technology Automatic identification and data capture techniques Bar code verifier conformance specification Part 2: Two-dimensional symbols		
ISO/IEC 15426-2:2005/Cor 1:2008	<u>60.60</u>	
ISO/IEC 15434:2006	90.60	
Information technology Automatic identification and data capture techniques Syntax for high-capacity ADC media		
ISO/IEC 15438:2006	90.92	
Information technology Automatic identification and data capture techniques PDF417 bar code symbology specification		
ISO/IEC 15459-1:2006	90.92	YES

Information technology -- Unique identifiers -- Part 1: Unique identifiers for transport units

ISO/IEC 15459-2:2006 Information technology Unique identifiers Part 2: Registration procedures	90.92	YES
ISO/IEC 15459-3:2006 Information technology Unique identifiers Part 3: Common rules for unique identifiers	90.92	YES
ISO/IEC 15459-4:2008 Information technology Unique identifiers Part 4: Individual items	90.92	YES
ISO/IEC 15459-5:2007 Information technology Unique identifiers Part 5: Unique identifier for returnable transport items (RTIs)	90.92	YES
ISO/IEC 15459-6:2007 Information technology Unique identifiers Part 6: Unique identifier for product groupings	90.92	YES
ISO/IEC 15459-8:2009	60.60	YES

ISO/IEC 15961:2004	90.92	YES
Information technology Radio frequency identification (RFID) for item management Data protocol: application interface		
ISO/IEC 15961-1:2013	<u>60.60</u>	YES
Information technology Radio frequency identification (RFID) for item management: Data protocol Part 1: Application interface		
ISO/IEC 15962:2013	<u>60.60</u>	YES
Information technology Radio frequency identification (RFID) for item management Data protocol: data encoding rules and logical memory functions		
ISO/IEC 15963:2009	<u>60.60</u>	YES
Information technology Radio frequency identification for item management Unique identification for RF tags		
ISO/IEC 16022:2006	90.93	
Information technology Automatic identification and data capture techniques Data Matrix bar code symbology specification		
ISO/IEC 16022:2006/Cor 1:2008	60.60	

ISO/IEC 16022:2006/Cor 2:2011	60.60	
ISO/IEC 16023:2000	90.60	
Information technology International symbology specification MaxiCode		
ISO/IEC 16388:2007	90.60	
Information technology Automatic identification and data capture techniques Code 39 bar code symbology specification		
ISO/IEC 16390:2007	90.60	
Information technology Automatic identification and data capture techniques Interleaved 2 of 5 bar code symbology specification		
ISO/IEC 18000-1:2008	90.20	YES
Information technology Radio frequency identification for item management Part 1: Reference architecture and definition of parameters to be standardized		
<u>ISO/IEC 18000-2:2009</u>	<u>60.60</u>	YES

Information technology -- Radio frequency identification for item management -- Part 2: Parameters for air interface communications below 135 kHz

ISO/IEC 18000-3:2010	<u>60.60</u>	YES
Information technology Radio frequency identification for item management Part 3: Parameters for air interface communications at 13,56 MHz		
ISO/IEC 18000-4:2008	90.92	YES
Information technology Radio frequency identification for item management Part 4: Parameters for air interface communications at 2,45 GHz		
ISO/IEC 18000-6:2013	<u>60.60</u>	YES
Information technology Radio frequency identification for item management Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General		
ISO/IEC 18000-7:2009	90.92	YES
Information technology Radio frequency identification for item management Part 7: Parameters for active air interface communications at 433 MHz		
ISO/IEC 18000-61:2012	<u>60.60</u>	YES
Information technology Radio frequency identification for item management Part 61: Parameters for air interface communications at 860 MHz to 960 MHz Type A		
ISO/IEC 18000-62:2012	<u>60.60</u>	YES

Information technology -- Radio frequency identification for item management -- Part 62: Parameters for air interface communications at 860 MHz to 960 MHz Type B

ISO/IEC 18000-63:2013 Information technology Radio frequency identification for item management Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C	90.92	YES
ISO/IEC 18000-64:2012 Information technology Radio frequency identification for item management Part 64: Parameters for air interface communications at 860 MHz to 960 MHz Type D	<u>60.60</u>	YES
ISO/IEC TR 18001:2004 Information technology Radio frequency identification for item management Application requirements profiles	90.60	YES
ISO/IEC 18004:2006 Information technology Automatic identification and data capture techniques QR Code 2005 bar code symbology specification	90.60	
ISO/IEC 18004:2006/Cor 1:2009	60.60	
ISO/IEC 18046-1:2011	60.60	YES

Information technology -- Radio frequency identification device performance test methods -

- Part 1: Test methods for system performance

ISO/IEC 18046-2:2011 Information technology Radio frequency identification device performance test methods Part 2: Test methods for interrogator performance	60.60	YES
ISO/IEC 18046-3:2012 Information technology Radio frequency identification device performance test methods Part 3: Test methods for tag performance	60.60	YES
ISO/IEC 18047-2:2012 Information technology Radio frequency identification device conformance test methods Part 2: Test methods for air interface communications below 135 kHz	60.60	YES
ISO/IEC TR 18047-2:2006/Cor 1:2010	<u>60.60</u>	YES
ISO/IEC TR 18047-3:2011 Information technology Radio frequency identification device conformance test methods Part 3: Test methods for air interface communications at 13,56 MHz	60.60	YES
ISO/IEC TR 18047-3:2004/Cor 2:2008	60.60	YES
ISO/IEC TR 18047-4:2004 Information technology Radio frequency identification device conformance test methods Part 4: Test methods for air interface communications at 2,45 GHz	90.60	YES

ISO/IEC 18047-6:2012 Information technology Radio frequency identification device conformance test methods Part 6: Test methods for air interface communications at 860 MHz to 960 MHz	60.60	YES
ISO/IEC TR 18047-7:2010 Information technology Radio frequency identification device conformance test methods Part 7: Test methods for active air interface communications at 433 MHz	60.60	YES
ISO/IEC 19762-1:2008 Information technology Automatic identification and data capture (AIDC) techniques Harmonized vocabulary Part 1: General terms relating to AIDC	90.92	YES
ISO/IEC 19762-2:2008 Information technology Automatic identification and data capture (AIDC) techniques Harmonized vocabulary Part 2: Optically readable media (ORM)	90.92	
ISO/IEC 19762-3:2008 Information technology Automatic identification and data capture (AIDC) techniques Harmonized vocabulary Part 3: Radio frequency identification (RFID)	90.92	YES
ISO/IEC 19762-4:2008 Information technology Automatic identification and data capture (AIDC) techniques Harmonized vocabulary Part 4: General terms relating to radio communications	90.92	YES
ISO/IEC 19762-5:2008	90.92	YES

Information technology -- Automatic identification and data capture (AIDC) techniques -- Harmonized vocabulary -- Part 5: Locating systems

ISO/IEC TR 19782:2006	90.93	
Information technology Automatic identification and data capture techniques Effects of gloss and low substrate opacity on reading of bar code symbols		
ISO/IEC TR 20017:2011	<u>60.60</u>	YES
Information technology Radio frequency identification for item management Electromagnetic interference impact of ISO/IEC 18000 interrogator emitters on implantable pacemakers and implantable cardioverter defibrillators		
ISO/IEC/IEEE 21450:2010	<u>60.60</u>	YES
Information technology Smart transducer interface for sensors and actuators Common functions, communication protocols, and Transducer Electronic Data Sheet (TEDS) formats		
ISO/IEC/IEEE 21451-1:2010	90.92	YES
Information technology Smart transducer interface for sensors and actuators Part 1: Network Capable Application Processor (NCAP) information model		
ISO/IEC/IEEE 21451-2:2010	<u>60.60</u>	YES
Information technology Smart transducer interface for sensors and actuators Part 2: Transducer to microprocessor communication protocols and Transducer Electronic Data Sheet (TEDS) formats		
ISO/IEC/IEEE 21451-4:2010	60.60	YES

Information technology -- Smart transducer interface for sensors and actuators -- Part 4: Mixed-mode communication protocols and Transducer Electronic Data Sheet (TEDS) formats

ISO/IEC/IEEE 21451-7:2011 Information technology Smart transducer interface for sensors and actuators Part 7: Transducer to radio frequency identification (RFID) systems communication protocols and Transducer Electronic Data Sheet (TEDS) formats	60.60	YES
ISO/IEC TR 24710:2005 Information technology Radio frequency identification for item management Elementary tag licence plate functionality for ISO/IEC 18000 air interface definitions	90.60	YES
ISO/IEC TR 24720:2008 Information technology Automatic identification and data capture techniques Guidelines for direct part marking (DPM)	90.60	
ISO/IEC 24723:2010 Information technology Automatic identification and data capture techniques GS1 Composite bar code symbology specification	60.60	
ISO/IEC 24724:2011 Information technology Automatic identification and data capture techniques GS1 DataBar bar code symbology specification	60.60	
ISO/IEC 24728:2006	90.60	

Information technology -- Automatic identification and data capture techniques -- MicroPDF417 bar code symbology specification

YES
YES

Information technology -- Real time locating systems (RTLS) -- Part 2: Direct Sequence Spread Spectrum (DSSS) 2,4 GHz air interface protocol

ISO/IEC 24730-5:2010	60.60	YES
Information technology Real-time locating systems (RTLS) Part 5: Chirp spread spectrum (CSS) at 2,4 GHz air interface		
ISO/IEC 24730-21:2012	<u>60.60</u>	YES
Information technology Real time locating systems (RTLS) Part 21: Direct Sequence Spread Spectrum (DSSS) 2,4 GHz air interface protocol: Transmitters operating with a single spread code and employing a DBPSK data encoding and BPSK spreading scheme		
ISO/IEC 24730-22:2012	<u>60.60</u>	YES
Information technology Real time locating systems (RTLS) Part 22: Direct Sequence Spread Spectrum (DSSS) 2,4 GHz air interface protocol: Transmitters operating with multiple spread codes and employing a QPSK data encoding and Walsh offset QPSK (WOQPSK) spreading scheme		
ISO/IEC 24753:2011	<u>60.60</u>	YES
Information technology Radio frequency identification (RFID) for item management Application protocol: encoding and processing rules for sensors and batteries		
ISO/IEC TR 24769:2008	90.60	YES
Information technology Real-time locating system (RTLS) device conformance test methods Test methods for air interface communication at 2,4 GHz		
ISO/IEC 24769-2:2013	<u>60.60</u>	YES

Information technology -- Real-time locating systems (RTLS) device conformance test methods -- Part 2: Test methods for air interface communication at 2,4 GHz

<u>ISO/IEC 24769-5:2012</u>	60.60	YES
Information technology Automatic identification and data capture techniques Real time locating systems (RTLS) device conformance test methods Part 5: Test methods		
for chirp spread spectrum (CSS) at 2,4 GHz air interface		
ISO/IEC 24770:2012	60.60	YES
Information technology Real-time locating system (RTLS) device performance test	<u> </u>	ILS
methods Test methods for air interface communication at 2,4 GHz		
ISO/IEC 24778:2008	90.60	
Information technology Automatic identification and data capture techniques Aztec		
Code bar code symbology specification		
ISO/IEC 24791-1:2010	<u>60.60</u>	YES
Information technology Radio frequency identification (RFID) for item management Software system infrastructure Part 1: Architecture		
Contware System initiastructure Fart 1. Architecture		
ISO/IEC 24791-2:2011	60.60	YES
Information technology Radio frequency identification (RFID) for item management Software system infrastructure Part 2: Data management		
ISO/IEC 24791-5:2012	60.60	VEC
130/1EC 24/31-3.2012	<u>00.00</u>	YES

Information technology -- Radio frequency identification (RFID) for item management -- Software system infrastructure -- Part 5: Device interface

ISO/IEC 29133:2010	<u>60.60</u>	
Information technology Automatic identification and data capture techniques Quality test specification for rewritable hybrid media data carriers		
ISO/IEC 29143:2011	<u>60.60</u>	YES
Information technology Automatic identification and data capture techniques Air interface specification for Mobile RFID interrogators		
<u>ISO/IEC TR 29158:2011</u>	<u>60.60</u>	
Information technology Automatic identification and data capture techniques Direct Part Mark (DPM) Quality Guideline		
ISO/IEC 29160:2012	60.60	YES
Information technology Radio frequency identification for item management RFID Emblem		
ISO/IEC TR 29162:2012	<u>60.60</u>	
Information technology Guidelines for using data structures in AIDC media		
ISO/IEC 29167-1:2012	90.92	YES

Information technology -- Automatic identification and data capture techniques -- Part 1: Air interface for security services and file management for RFID architecture

<u>ISO/IEC TR 29172:2011</u>	<u>60.60</u>	YES
Information technology Mobile item identification and management Reference architecture for Mobile AIDC services		
ISO/IEC 29173-1:2012	60.60	YES
Information technology Mobile item identification and management Part 1: Mobile RFID interrogator device protocol for ISO/IEC 18000-63 Type C		
ISO/IEC 29175:2012	<u>60.60</u>	YES
Information technology Mobile item identification and management User data for Mobile AIDC services		
<u>ISO/IEC 29176:2011</u>	60.60	YES
Information technology Mobile item identification and management Consumer privacy-protection protocol for Mobile RFID services		
ISO/IEC 29178:2012	60.60	YES
Information technology Mobile item identification and management Service broker for Mobile AIDC services		
ISO/IEC 29179:2012	60.60	YES

Information technology -- Mobile item identification and management -- Mobile AIDC application programming interface

Standard and/or project under development	Stage	RF/RFID
ISO/IEC 15420:2009/CD Cor 1	<u>30.99</u>	
ISO/IEC DIS 15426-2	40.60	
Information technology Automatic identification and data capture techniques Bar code verifier conformance specification Part 2: Two-dimensional symbols		
<u>ISO/IEC CD 15438</u>	<u>30.60</u>	
Information technology Automatic identification and data capture techniques PDF417 bar code symbology specification		
<u>ISO/IEC FDIS 15459-1</u>	<u>50.00</u>	YES
Information technology Automatic identification and data capture techniques Unique identification Part 1: Individual transport units		
<u>ISO/IEC FDIS 15459-2</u>	<u>50.00</u>	YES
Information technology Automatic identification and data capture techniques Unique identification Part 2: Registration procedures		

ISO/IEC FDIS 15459-3	50.00	YES
Information technology Automatic identification and data capture techniques Unique identification Part 3: Common rules	<u></u>	113
ISO/IEC FDIS 15459-4	50.00	YES
Information technology Automatic identification and data capture techniques Unique identification Part 4: Individual products and product packages		
<u>ISO/IEC FDIS 15459-5</u>	<u>50.00</u>	YES
Information technology Automatic identification and data capture techniques Unique identification Part 5: Individual returnable transport items (RTIs)		
ISO/IEC FDIS 15459-6	<u>50.00</u>	YES
Information technology Automatic identification and data capture techniques Unique identification Part 6: Groupings		
ISO/IEC FDIS 15961-2	<u>50.60</u>	YES
Information technology Radio frequency identification (RFID) for item management: Data protocol Part 2: Registration of RFID data constructs		
ISO/IEC FDIS 15961-3	<u>50.60</u>	YES
Information technology Radio frequency identification (RFID) for item management: Data protocol Part 3: RFID data constructs		
<u>ISO/IEC DIS 15961-4</u>	40.20	YES

Information technology Radio frequency identification (RFID) for item management: Data protocol Part 4: Application interface commands for battery assist and sensor functionality		
ISO/IEC CD 16480	<u>30.60</u>	
Information technology Automatic identification and data capture techniques Reading and display of ORM by mobile devices		
ISO/IEC CD 18000-4	<u>30.20</u>	YES
Information technology Radio frequency identification for item management Part 4: Parameters for air interface communications at 2,45 GHz Mode 3		
ISO/IEC DIS 18000-7	<u>40.60</u>	YES
Information technology Radio frequency identification for item management Part 7: Parameters for active air interface communications at 433 MHz		
ISO/IEC NP 18000-63	<u>10.99</u>	YES
Information technology Radio frequency identification for item management Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C		
ISO/IEC CD 18004	30.60	
Information technology Automatic identification and data capture techniques QR Code bar code symbology specification		
ISO/IEC NP 18305	<u>10.99</u>	YES

Information technology Real time locating systems Test and evaluation of localization and tracking systems		
<u>ISO/IEC CD 19762</u>	<u>30.20</u>	YES
Information technology Automatic identification and data capture techniques Harmonized vocabulary		
<u>ISO/IEC DIS 24730-1</u>	<u>40.60</u>	YES
Information technology Real-time locating systems (RTLS) Part 1: Application program interface (API)		
ISO/IEC 24730-21:2012/CD Cor 1	<u>30.20</u>	YES
ISO/IEC 24730-61	60.00	YES
Information technology Real time locating systems (RTLS) Part 61: Low rate pulse repetition frequency Ultra Wide Band (UWB) air interface		
ISO/IEC FDIS 24730-62	<u>50.20</u>	YES
Information technology Real time locating systems (RTLS) Part 62: High rate pulse repetition frequency Ultra Wide Band (UWB) air interface		
<u>ISO/IEC CD 24769-61</u>	<u>30.20</u>	YES
Information Technology Real Time Locating System (RTLS) Device Conformance Test Methods Part 61: Low rate pulse repetition frequency Ultra Wide Band (UWB) air interface		
ISO/IEC CD 24769-62	30.20	YES

Information Technology -- Real Time Locating System (RTLS) Device Conformance Test Methods -- Part 62: High rate pulse repetition frequency Ultra Wide Band (UWB) air interface

ISO/IEC CD 24770-61	<u>30.20</u>	YES
Information technology Real Time Locating Systems (RTLS) device performance test methods Part 61: Low rate pulse repetition frequency Ultra Wide Band (UWB) air interface		
ISO/IEC CD 24770-62	<u>30.20</u>	YES
Information technology Real Time Locating Systems (RTLS) device performance test methods Part 62: Low rate pulse repetition frequency Ultra Wide Band (UWB) air interface		
ISO/IEC FCD 24791-3	<u>50.00</u>	YES
Information technology Radio frequency identification (RFID) for item management Software system infrastructure Part 3: Device management		
<u>ISO/IEC WD 29161</u>	20.20	YES
Automatic identification and data capture techniques Unique identification		
ISO/IEC DIS 29167-1	40.00	YES
Information technology Automatic identification and data capture techniques Part 1: Security services for RFIP air interfaces		
ISO/IEC CD 29167-10	<u>30.60</u>	YES

Information technology -- Automatic identification and data capture techniques -- Part 10: Air Interface for security services crypto suite AES128

ISO/IEC DIS 29167-11 Information technology Automatic identification and data capture techniques Part 11: Air Interface for security services crypto suite PRESENT-80	40.00	YES
ISO/IEC CD 29167-12 Information technology Automatic identification and data capture techniques Part 12: Air Interface for security services crypto suite ECC-DH	30.60	YES
ISO/IEC NP 29167-13 Information technology Automatic identification and data capture techniques Part 13: Air Interface for security services crypto suite Grain-128A	<u>10.99</u>	YES
ISO/IEC CD 29167-14 Information technology Automatic identification and data capture techniques Part 14: Air Interface for security services crypto suite - AES OFB-like	30.20	YES
ISO/IEC NP 29167-15 Information technology Automatic identification and data capture techniques Part 15: Air Interface for security services crypto suite XOR	10.99	YES
ISO/IEC CD 29167-16	<u>30.60</u>	YES

Information technology -- Automatic identification and data capture techniques -- Part 16: Air Interface for security services crypto suite ECDSA-ECDH

ISO/IEC CD 29167-17 Information Technology Automatic Identification and Data Capture Techniques Part 17: Air Interface for Security Services Crypto Suite cryptoGPS	30.20	YES
ISO/IEC FDIS 29174-1 Information technology UII scheme and encoding format for Mobile AIDC services Part 1: Identifier scheme for multimedia information access triggered by tag-based identification	<u>50.60</u>	YES
ISO/IEC FDIS 29174-2 Information technology UII scheme and encoding format for Mobile AIDC services Part 2: Registration procedures	<u>50.60</u>	YES
ISO/IEC FDIS 29177 Information technology Automatic identification and data capture technique Identifier resolution protocol for multimedia information access triggered by tag-based identification	50.60	YES
ISO/IEC NP 30116 Information technology Automatic identification and data capture techniques OCR Quality Testing	10.99	