

Table 1: ISO Technical Committee 96 on Cranes and its nine (9) associated subcommittees

Committee	Title
ISO/TC 96	Cranes
ISO/TC 96/SC 2	Terminology
ISO/TC 96/SC 3	Selection of wire ropes
ISO/TC 96/SC 4	Test methods
ISO/TC 96/SC 5	Use, operation and maintenance
ISO/TC 96/SC 6	Mobile cranes
ISO/TC 96/SC 7	Tower cranes
ISO/TC 96/SC 8	Jib cranes
ISO/TC 96/SC 9	Bridge and gantry cranes
ISO/TC 96/SC 10	Design principles and requirements

Table 2: List of International Organization for Standardization standards in scope

Standard Designation	Title
ISO 2374	Lifting appliances -- Range of maximum capacities for basic models
ISO 4301-1	Cranes and lifting appliances -- Classification -- Part 1: General
ISO 4301-2	Cranes -- Classification -- Part 2: Mobile cranes
ISO 4301-3	Cranes -- Classification -- Part 3: Tower cranes
ISO 4301-4	Cranes and related equipment -- Classification -- Part 4: Jib cranes
ISO 4301-5	Cranes -- Classification -- Part 5: Overhead travelling and portal bridge cranes
ISO 4302	Cranes -- Wind load assessment
ISO 4304	Cranes other than mobile and floating cranes -- General requirements for stability
ISO 4305	Mobile cranes -- Determination of stability
ISO 4306-1	Cranes -- Vocabulary -- Part 1: General
ISO 4306-2	Cranes -- Vocabulary -- Part 2: Mobile cranes
ISO 4306-3	Cranes -- Vocabulary -- Part 3: Tower cranes
ISO 4306-5	Cranes -- Vocabulary -- Part 5: Bridge and gantry cranes
ISO 4308-1	Cranes and lifting appliances -- Selection of wire ropes -- Part 1: General
ISO 4308-2	Cranes and lifting appliances -- Selection of wire ropes -- Part 2: Mobile cranes -- Coefficient of utilization
ISO 4309	Cranes -- Wire ropes -- Care and maintenance, inspection and discard
ISO 4310	Cranes -- Test code and procedures
ISO 7296-1	Cranes -- Graphic symbols -- Part 1: General
ISO 7296-2	Cranes -- Graphical symbols -- Part 2: Mobile cranes
ISO 7296-3	Cranes -- Graphical symbols -- Part 3: Tower cranes
ISO 7363	Cranes and lifting appliances -- Technical characteristics and acceptance documents
ISO 7752-1	Cranes -- Control layout and characteristics -- Part 1: General principles
ISO 7752-2	Cranes -- Control layout and characteristics -- Part 2: Basic arrangement and requirements for mobile cranes
ISO 7752-3	Cranes -- Control layout and characteristics -- Part 3: Tower cranes
ISO 7752-4	Cranes -- Controls -- Layout and characteristics -- Part 4: Jib cranes

ISO 7752-5	Lifting appliances -- Controls -- Layout and characteristics -- Part 5: Overhead travelling cranes and portal bridge cranes
ISO 8087	Mobile cranes -- Drum and sheave sizes
ISO 8566-1	Cranes -- Cabins and control stations -- Part 1: General
ISO 8566-2	Cranes -- Cabins -- Part 2: Mobile cranes
ISO 8566-3	Cranes -- Cabins and control stations -- Part 3: Tower cranes
ISO 8566-4	Cranes -- Cabins -- Part 4: Jib cranes
ISO 8566-5	Cranes -- Cabins -- Part 5: Overhead travelling and portal bridge cranes
ISO 8686-1	Cranes -- Design principles for loads and load combinations -- Part 1: General
ISO 8686-2	Cranes -- Design principles for loads and load combinations -- Part 2: Mobile cranes
ISO 8686-3	Cranes -- Design principles for loads and load combinations -- Part 3: Tower cranes
ISO 8686-4	Cranes -- Design principles for loads and load combinations -- Part 4: Jib cranes
ISO 8686-5	Cranes -- Design principles for loads and load combinations -- Part 5: Overhead travelling and portal bridge cranes
ISO 9373	Cranes and related equipment -- Accuracy requirements for measuring parameters during testing
ISO 9374-1	Cranes -- Information to be provided -- Part 1: General
ISO 9374-3	Cranes -- Information to be provided for enquiries, orders, offers and supply -- Part 3: Tower cranes
ISO 9374-4	Cranes -- Information to be provided -- Part 4: Jib cranes
ISO 9374-5	Cranes -- Information to be provided -- Part 5: Overhead travelling cranes and portal bridge cranes
ISO 9926-1	Cranes -- Training of drivers -- Part 1: General
ISO 9926-3	Cranes -- Training of drivers -- Part 3: Tower cranes
ISO 9927-1	Cranes -- Inspections -- Part 1: General
ISO 9927-3	Cranes -- Inspections -- Part 3: Tower cranes
ISO 9928-1	Cranes -- Crane driving manual -- Part 1: General
ISO 9928-2	Cranes -- Crane driving manual -- Part 2: Mobile crane operators
ISO 9942-1	Cranes -- Information labels -- Part 1: General
ISO 9942-3	Cranes -- Information labels -- Part 3: Tower cranes
ISO 10245-1	Cranes -- Limiting and indicating devices -- Part 1: General

ISO 10245-2	Cranes -- Limiting and indicating devices -- Part 2: Mobile cranes
ISO 10245-3	Cranes -- Limiting and indicating devices -- Part 3: Tower cranes
ISO 10245-4	Cranes -- Limiting and indicating devices -- Part 4: Jib cranes
ISO 10245-5	Cranes -- Limiting and indicating devices -- Part 5: Overhead travelling and portal bridge cranes
ISO 10972-1	Cranes -- Requirements for mechanisms -- Part 1: General
ISO 10972-2	Cranes -- Requirements for mechanisms -- Part 2: Mobile cranes
ISO 10972-3	Cranes -- Requirements for mechanisms -- Part 3: Tower cranes
ISO 10972-4	Cranes -- Requirements for mechanisms -- Part 4: Jib cranes
ISO 10972-5	Cranes -- Requirements for mechanisms -- Part 5: Bridge and gantry
ISO 10973	Cranes -- Spare parts manual
ISO 11629	Cranes -- Measurement of the mass of a crane and its components
ISO 11630	Cranes -- Measurement of wheel alignment
ISO 11660-1	Cranes -- Access, guards and restraints -- Part 1: General
ISO 11660-2	Cranes -- Access, guards and restraints -- Part 2: Mobile cranes
ISO 11660-3	Cranes -- Access, guards and restraints -- Part 3: Tower cranes
ISO 11660-4	Cranes -- Access, guards and restraints -- Part 4: Jib cranes
ISO 11660-5	Cranes -- Access, guards and restraints -- Part 5: Bridge and gantry
ISO 11661	Mobile cranes -- Presentation of rated capacity charts
ISO 11662-1	Mobile cranes -- Experimental determination of crane performance -- Part 1: Tipping loads and radii
ISO 11994	Cranes -- Availability -- Vocabulary
ISO 12210-1	Cranes -- Anchoring devices for in-service and out-of-service conditions -- Part 1: General
ISO 12210-4	Cranes -- Anchoring devices for in-service and out-of-service conditions -- Part 4: Jib cranes
ISO 12478-1	Cranes -- Maintenance manual -- Part 1: General
ISO 12480-1	Cranes -- Safe use -- Part 1: General
ISO 12480-3	Cranes -- Safe use -- Part 3: Tower cranes
ISO 12480-4	Cranes -- Safe use -- Part 4: Jib cranes
ISO 12482-1	Cranes -- Condition monitoring -- Part 1: General
ISO 12485	Tower cranes -- Stability requirements
ISO 12488-1	Cranes -- Tolerances for wheels and travel and traversing tracks -- Part 1: General

ISO 12488-4	Cranes -- Tolerances for wheels and travel and traversing tracks -- Part 4: Jib cranes
ISO 13200	Cranes -- Safety signs and hazard pictorials -- General principles
ISO 13202	Cranes -- Measurement of velocity and time parameters
ISO 14518	Cranes -- Requirements for test loads
ISO 15442	Cranes -- Safety requirements for loader cranes
ISO 15513	Cranes -- Competency requirements for crane drivers (operators), slingers, signallers and assessors
ISO/TS 15696	Cranes -- List of equivalent terms
ISO 16625	Cranes and hoists -- Selection of wire ropes, drums and sheaves
ISO/TR 16880	Cranes -- Bridge and gantry cranes -- International Standards for design and manufacturing requirements and recommendations
ISO 16881-1	Cranes -- Design calculation for rail wheels and associated trolley track supporting structure -- Part 1: General
ISO/TR 19961	Cranes -- Safety code on mobile cranes
ISO 20332	Cranes -- Proof of competence of steel structures
ISO 22986	Cranes -- Stiffness -- Bridge and gantry cranes
ISO 23813	Cranes -- Training of appointed persons
ISO 23814	Cranes -- Competency requirements for crane inspectors
ISO 23815-1	Cranes -- Maintenance -- Part 1: General
ISO 23853	Cranes -- Training of slingers and signallers
ISO/TR 25599	Cranes -- Jib cranes -- International Standards for design, manufacturing, use and maintenance requirements and recommendations
ISO/TR 27245	Cranes -- Tower cranes -- International Standards for design, manufacture, use and maintenance requirements and recommendations

Table 3: List of SCC-accredited standards development organization (SDO) standards in scope

Standard	Title
CAN/CSA-C225	Vehicle-Mounted Aerial Devices
CAN/CSA-B354.2	Self-Propelled Elevating Work Platforms
CAN/CSA-Z271	Safety Code for Suspended Platforms
CAN/CSA-B311	Safety Code for Manlifts
CAN/CSA-B354.1	Portable Elevating Work Platforms
CAN/CSA-B354.5	Mast-Climbing Work Platforms
CAN/CSA-B354.4	Self-Propelled Boom-Supported Elevating Work Platforms
CAN/CSA-Z248	Code for Tower Cranes
CAN/CSA-B167	Overhead Travelling Cranes - Design, Inspection, Testing, Maintenance and Safe Operation
CAN/CSA-Z150.3	Safety Code on Articulating Boom Cranes
CAN/CSA-Z150	Safety Code on Mobile Cranes
CSA C22.2 No. 33	Construction And Test of Electric Cranes and Hoists
CAN/CSA-Z185	Safety Code For Personnel Hoists
CAN/CSA-G4	Steel Wire Rope For General Purpose and for Mine Hoisting And Mine Haulage
CAN/CSA-Z256	Safety Code for Material Hoists
CAN/CSA-Z151	Concrete Pumps and Placing Booms
CAN/CSA-Z19905-1	Petroleum and Natural Gas Industries - Site-Specific Assessment of Mobile Offshore Units - Part 1: Jack-Ups

Table 4: American Society of Mechanical Engineers (ASME) standards in scope

Standard	Title
ASME B30.1	Jacks, Industrial Rollers, Air Casters and Hydraulic Gantries
ASME B30.2	Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist) – Includes Interpretations Through January 2010
ASME B30.3	Tower Cranes
ASME B30.4	Portal and Pedestal Cranes
ASME B30.5	Mobile and Locomotive Cranes
ASME B30.6	Derricks – Includes Interpretations November 2002 Through December 2009
ASME B30.7	Winches – Includes Interpretation Through January 2011
ASME B30.8	Floating Cranes and Floating Derricks
ASME B30.9	Slings – Includes Interpretations Through October 2009
ASME B30.10	Hooks – Safety Standard for Cableways, Cranes, Derricks, Hoists, Jacks and Slings – Includes Interpretations June 2005 Through June 2009
ASME B30.11	Monorails and Underhung Cranes – Includes Interpretations Dated May 2004 Through August 2009
ASME B30.12	Handling Loads Suspended From Rotocraft
ASME B30.13	Storage/Retrieval (S/R) Machines and Associated Equipment – Includes Interpretations Through June 2010
ASME B30.14	Side Boom Tractors
ASME B30.15	Mobile Hydraulic Cranes (Withdrawn)
ASME B30.16	Overhead Hoists (Underhung)
ASME B30.17	Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)
ASME B30.18	Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)
ASME B30.19	Cableways
ASME B30.20	Below-The-Hook Lifting Devices – Includes Interpretations Through September 2009
ASME B30.21	Manually Lever Operated Hoists
ASME B30.22	Articulating Boom Cranes
ASME B30.23	Personnel Lifting Systems Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks and Slings

ASME B30.24 Container Cranes

ASME B30.25 Scrap and Material Handlers – Includes Interpretation: 25-02

ASME B30.26 Rigging Hardware – Includes Interpretations May 2006 Through October 2009

ASME B30.27 Material Placement Systems Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks and Slings

ASME B30.28 Balance Lifting Units

ASME B30.29 Self-Erecting Tower Cranes Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks and Slings

Table 5: SCC-accredited SDO standards in scope incorporated by reference in Canadian regulation by provincial, territorial and federal jurisdiction

	Standards Development Organization	Number of the main standard	Title	Alberta	British Columbia	Manitoba	New Brunswick	Newfoundland	Nova Scotia	Nunavut	Northwest Territories	Ontario	Prince Edward Island	Quebec	Saskatchewan	Yukon	Federal	Total
1	CSA C225		Vehicle-mounted aerial devices															11
2	CSA B354.2		Self-propelled elevating work platforms															8
3	CSA Z271		Safety code for suspended platforms															8
4	CSA B311		Safety code for manlifts															11
5	CSA B354.1		Portable elevating work platforms															7
6	CSA B354.5		Mast-climbing work platforms															1
7	CSA B354.4		Self-propelled boom-supported elevating work platforms															8
8	CSA Z248		Code for tower cranes															9
9	CSA B167		Overhead travelling cranes - design, inspection, testing, maintenance, and safe operation															10
10	CSA Z150.3		Safety code on articulating boom cranes															1
11	CSA Z150		Safety code on mobile cranes															7
12	CSA C22.2 No. 33		Construction and test of electric cranes and hoists															6
13	CSA Z185		Safety code for personnel hoists															14
14	CSA G4		Steel wire rope for general purpose and for mine hoisting and mine haulage															3
15	CSA Z256		Safety code for material hoists															11
16	CSA Z151		Concrete pumps and placing booms															1
				2	10	12	11	9	14	5	5	9	10	10	3	12	4	

Table 6: Regulations incorporating by reference SCC-accredited SDO Canadian standards in scope by provincial, territorial and federal jurisdiction

Province / territory	Regulation	Act, where regulation incorporates
Alberta	Elevating Devices Codes Regulation	Safety Codes Act
Alberta	Elevating Devices Safety Regulation	Safety Codes Act
British Columbia	Occupational Health and Safety Regulations	Workers Compensation Act
British Columbia	Elevating Devices Safety Regulation	Safety Standards Act
Federal	Maritime Occupational Health and Safety Regulations	Canada Labour Code
Federal	Canada Occupational Health and Safety Regulations	Canada Labour Code
Manitoba	Workplace Safety and Health Regulation	Workplace Safety and Health Act
Manitoba	Corporations Regulation	Corporations Act
Manitoba	Consolidated Statutes of Manitoba	Insurance Act
Manitoba	Operation of Mines Regulation	Workplace Safety and Health Act
Manitoba	Elevator Regulation	Elevator Act
New Brunswick	General Regulation	Occupational Health and Safety Act
New Brunswick	Safety Code for Elevating Devices and Amusement Devices	Elevators and Lifts Act
Newfoundland	Occupational Health and Safety Regulations	Occupational Health and Safety Act
Newfoundland	Amusement Rides and Elevating Devices Regulations,	Public Safety Act
Nova Scotia	Workplace Health and Safety Regulations	Occupational Health and Safety Act
Nova Scotia	Technical Safety Standards Regulations	Technical Safety Act
Nova Scotia	Safety Code for Elevating Devices and Amusement Devices	Elevators and Lifts Act
Nunavut	Electrical Protection Regulations	Electrical Protection Act
Nunavut	General Safety Regulations	Safety Act
Northwest Territories	Mine Health and Safety Regulation	Mine Health and Safety Act
Ontario	Construction Projects	Occupational Health and Safety Act
Prince Edward Island	General Regulation	Elevators and Lifts Act
Prince Edward Island	General Regulation	Elevators And Lifts Act
Prince Edward Island	General Regulation	Occupational Health and Safety Act
Prince Edward Island	Scaffolding Regulation	Occupational Health and Safety Act
Quebec	Construction Code	Building Act
Quebec	Safety Code for the construction	Occupational Health and

ANNEX TO STANDARDS REFERENCED IN CANADIAN REGULATIONS FOR HOISTING AND RIGGING INDUSTRY REPORT

	industry	Safety Act
Quebec	Regulation respecting occupational health and safety,	Occupational Health and Safety Act
Quebec	Safety Code for the construction industry	Occupational Health and Safety Act
Saskatchewan	Passenger and Freight Elevator regulation	Passenger and Freight Elevator Act
Saskatchewan	Passenger and Freight Elevator regulations	Passenger and Freight Elevator Act
Yukon	Fixed Conveyances Regulations	Elevator and Fixed Conveyances Act
Yukon	Occupational Health and Safety Regulations	Occupational Health and Safety Act
Alberta	Elevating Devices, Passenger Ropeways and Amusement Rides Permit Regulation	Safety Code Act
Yukon	Fixed Conveyances Regulations	Elevator and Fixed Conveyances Act

Table 7: ASME standards in scope incorporated by reference in Canadian regulation by provincial, federal and territorial jurisdiction

	Title	1 Alberta	2 BC	3 Manitoba	4 New Brunswick	5 Newfoundland	6 Nova Scotia	7 Nunavut	8 NWT	9 Ontario	10 PEI	11 Quebec	12 Saskatchewan	13 Yukon	Federal	Count
ASME B30.2	Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist) - Includes Interpretations through January 2010															2
ASME B30.3	Tower Cranes															1
ASME B30.4	Portal and Pedestal Cranes															3
ASME B30.5	Mobile and Locomotive Cranes															3
ASME B30.6	Derricks - Includes Interpretations November 2002 through December 2009															2
ASME B30.7	Winches - Includes Interpretations through January 2011															2
ASME B30.9	Slings - Includes Interpretations Through October 2009															5
ASME B30.10	Hooks - Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings - Includes Interpretations June 2005															2
ASME B30.11	Monorails and Underhung Cranes - Includes Interpretations Dated May 2004 thru August 2009															3
ASME B30.14	Side Boom Tractors															2
ASME B30.16	Overhead Hoists (Underhung)															3
ASME B30.17	Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist)															3
ASME B30.18	Stacker Cranes (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist)															1
ASME B30.20	Below-The-Hook Lifting Devices - Includes Interpretations Through September 2009															5
ASME B30.21	Manually Lever Operated Hoists															2
ASME B30.22	Articulating Boom Cranes															2
ASME B30.23	Personnel Lifting Systems Safety Standard for Cableways, Cranes, Derricks, Hoists, Hooks, Jacks, and Slings															1
ASME B30.26	Rigging Hardware - Includes Interpretations May 2006 Through October 2009															1
	Total	0	13	6	0	2	10	0	0	0	0	0	0	12	0	

Table 8: Regulations incorporating by reference ASME standards in scope by provincial, territorial and federal jurisdiction

Province	Regulation	Act
British Columbia	Occupational Health and Safety Regulation	Workers Compensation Act
Newfoundland	Occupational Health and Safety Regulation	Occupational Health and Safety Act
Nova Scotia	Occupational Health and Safety Regulation	Occupational Health and Safety Act
Nova Scotia	Occupational Health and Safety Regulation	Occupational Health and Safety Act
Nova Scotia	Technical Safety Standards Regulations	Technical Safety Act
Yukon	Occupational Health and Safety Regulation	Occupational Health and Safety Act

Table 9: Examples of in-scope SCC-accredited SDO standards and ASME standards with like subject areas

Area or field	Canadian standards	American standards
Boom cranes	CSA Z150.3	ASME B30.22
Tower cranes	CSA Z248	ASME B30.3
Mobile cranes	CSA Z150	ASME B30.5
Overhead cranes	CSA B167	ASME B30.5
Hoists	CSA C22.2 No. 33 CSA Z256 CSA Z185	ASME B30.21
Manlifts	CSA B311	ASME B30.23