

REQUIRED TRAINING



Construction Health and Safety in Ontario

The *Occupational Health and Safety Act (OHS Act)* requires constructors and employers to provide worker training. Specific requirements are spelled out in the Construction Regulation (Ontario Regulation 213/91). We've compiled these and other training requirements on the following pages.

What the *OHS Act* says about the training responsibilities of constructors, employers, and supervisors

CONSTRUCTORS and EMPLOYERS shall provide information, instruction and supervision to protect the health and safety of a worker; when appointing a supervisor, appoint a competent person; and carry out training programs for workers, supervisors and committee members as may be prescribed [by regulations].

—*OHS Act* sections 25 and 26

SUPERVISORS shall, where so prescribed [by regulations] provide a worker with written instructions as to the measures and procedures to be taken for the protection of the worker.

—*OHS Act* section 27

Additional training duties may fall to the supervisor

- a) when delegated by the employer, and
- b) when assigned by the company health and safety program.

Before you read the chart, know these legal definitions

COMPETENT PERSON

means a person who

- a) is qualified because of knowledge, training and experience **to organize the work** and its performance
- b) is familiar with the Occupational Health and Safety Act and the regulations that apply to the work, and
- c) has knowledge of any potential or actual danger to health or safety in the workplace.

—*Occupational Health and Safety Act*, Section 1

COMPETENT WORKER

in relation to specific work, means a worker who

- a) is qualified because of knowledge, training and experience **to perform the work**
- b) is familiar with the *Occupational Health and Safety Act* and with the provisions of the regulations that apply to the work, and
- c) has knowledge of all potential or actual danger to health and safety in the work.

—Construction Regulation, Section 1

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REQUIRED TRAINING—CONSTRUCTION HEALTH AND SAFETY

Topic	Who?	What is required?	Legislation
Asbestos	Worker who works in a Type 1, Type 2, or Type 3 asbestos operation.	Instruction and training in hazards, hygiene, work practices, respirators, protective clothing.	Asbestos Regulation 278/05 section 19
	Worker who is involved in a Type 3 operation.	Asbestos Abatement Worker Training Program, approved by the Ministry of Training, Colleges, and Universities.	Asbestos Regulation 278/05 section 20.
	Supervisor who is involved in a Type 3 operation.	Asbestos Abatement Supervisor Training Program, approved by the Ministry of Training, Colleges, and Universities, OR equivalent training in another Canadian province or territory as determined by an MOL director.	Asbestos Regulation 278/05 section 20.
Certified Member	Members of Joint Health & Safety Committee: at least one representing constructor/employer and at least one representing workers	<ul style="list-style-type: none"> - "Construction Health & Safety Representative" - "Sector-Specific Certification" - "Simulated Hazard Analysis" (IHSA programs) 	<i>Occupational Health and Safety Act</i> , section 9(12)
Chainsaw	Workers who use a chainsaw.	Adequate training in the chainsaw's use.	Construction Regulation section 112 (1.1)
Compressed air	Worker who is appointed by employer as the superintendent of all work in compressed air at a project.	Competent person: knowledge, training, and experience to organize the work.	Construction Regulation section 336 (1)
	Worker who is subjected to compressed air.	Full instruction in hazards and safeguards (signed acknowledgement by worker).	Construction Regulation section 336 (2)
	Worker who is designated as lock tender by the superintendent at a project, and who attends to the controls of an air lock.	Competent worker: knowledge, training, and experience to perform the work.	Construction Regulation section 337 (1)
	Worker (at least one in addition to the lock tender) who can perform the duties of the lock tender in an emergency.	Competent worker.	Construction Regulation section 337 (3)
	Worker who is designated by superintendent to be in charge of the compressors for a work chamber and air lock.	Competent worker, AND either Hoisting Engineer certification (<i>Trades Qualification & Apprenticeship Act</i>) or Stationary Engineer certification (<i>Operating Engineers Act</i>).	Construction Regulation section 359 (1)

REQUIRED TRAINING—CONSTRUCTION HEALTH AND SAFETY

Topic	Who?	What is required?	Legislation
Confined spaces	Firefighter or gas technician who performs emergency work in a confined space.	Training to work safely in confined spaces.	Construction Regulation section 221.3 (2) (b)
	Worker who carries out an assessment of related hazards before a worker enters a confined space.	Competent worker.	Construction Regulation section 221.6 (1)
	Person who develops and implements the written plan for the confined space, including procedures for control of hazards.	Competent person.	Construction Regulation section 221.7 (1)
	Worker who enters a confined space or performs related work.	Adequate training to perform the work safely in accordance with the employer's written plan, including hazard recognition and safe work practices.	Construction Regulation section 221.8
	Person who, before each shift, verifies that the entry permit complies with the relevant plan.	Competent person.	Construction Regulation section 221.9 (3)
	Adequate number of persons who are available for immediate implementation of the on-site rescue procedures.	Training in on-site rescue procedures, first aid, CPR, and the use of rescue equipment in accordance with the employer's written plan.	Construction Regulation section 221.10
	Worker who inspects the rescue equipment as often as necessary to ensure it is in good working order.	Competent worker.	Construction Regulation section 221.11
	Worker who performs tests before and while a worker is in a confined space to ensure that acceptable atmospheric levels are maintained.	Competent worker.	Construction Regulation section 221.16 (1)
Cranes, hoisting and rigging (continued on next page)	Workers who operate a crane or similar hoisting device capable of raising, lowering, or moving material that weighs more than 7,260 kg.	Hoisting Engineer certification training under <i>Trades Qualification & Apprenticeship Act</i> .	Construction Regulation section 150 (1)
	Workers who operate a crane or similar hoisting device capable of raising, lowering, or moving material that weighs less than 7,260 kg.	Training in the safe operation of the crane or similar hoisting device (written proof).	Construction Regulation section 150 (2), (3)
	Worker who is designated by the professional engineer to inspect a crane to ensure structural integrity.	Competent worker.	Construction Regulation section 153 (8)
	Workers involved with the hoisting operation of a cable-supported platform, bucket, basket, etc. that is used as a workplace.	Adequate instructions about requirements, restrictions, hazards of the hoisting operation.	Construction Regulation section 153 (12)
	Worker who visually inspects the crane's structural elements and rigging for defects before each use.	Competent worker.	Construction Regulation section 153 (9)
	Worker who sets-up, assembles, extends, and dismantles a crane or similar hoisting device.	Competent worker.	Construction Regulation section 154 (1)

REQUIRED TRAINING—CONSTRUCTION HEALTH AND SAFETY

Topic	Who?	What is required?	Legislation
Cranes, hoisting and rigging (continued)	Worker who is designated by a professional engineer and who inspects structural elements and components of a tower crane before and after erection, before use, and after any repairs.	Competent worker.	Construction Regulation sections 158 (1) and 159 (1) (3)
	Worker who is designated as a signaller and who warns the operator each time equipment or load may approach the minimum distance when operating near an energized overhead electrical conductor.	Competent worker.	Construction Regulation section 187 (3)
	Worker who performs operational tests on the automatic limit switches and overload limit devices of a tower crane.	Competent worker.	Construction Regulation section 161 (1)
	Worker who visually inspects all cable used by a crane or similar hoisting device when in use (at least once a month).	Competent worker.	Construction Regulation section 170 (1)
Drowning protection	Workers (at least two) who shall be available to perform rescue operations, if a worker may drown.	Training to perform rescue operations.	Construction Regulation section 27 (2) (a)
Electrical hazards	Workers who connect, maintain, or modify electrical equipment or installations.	Electrician certification training under <i>Trades Qualification and Apprenticeship Act</i> , OR permission under the <i>Trades Qualification and Apprenticeship Act</i> or <i>Technical Standards Safety Act</i> .	Construction Regulation section 182 (1)
	Worker who is designated as a signaller and who warns the operator of a crane/similar hoisting device/backhoe/power shovel/other vehicle or equipment each time the equipment or load approaches the minimum distance from an energized overhead electrical conductor.	Competent worker.	Construction Regulation section 188 (8)
	Worker ensures that a circuit (300 to 600 volts) is not inadvertently energized while work is being done on or near electrical equipment/installation that has been disconnected but not locked out.	Competent worker	Construction Regulation section 190 (9) (b) (ii)
	Worker who can perform rescue operations, including CPR, and who can see a worker who is performing work on or near energized exposed parts of electrical equipment/installation.	Competent worker	Construction Regulation section 191 (8)
	Worker who may be exposed to the hazard of electrical shock or burn while performing work.	Training in the proper use, care, and storage of rubber gloves and leather protectors.	Construction Regulation section 193 (6)

REQUIRED TRAINING—CONSTRUCTION HEALTH AND SAFETY

Topic	Who?	What is required?	Legislation
Elevating work platform	- Workers who will operate an elevating work platform for first time - Workers who inspect an elevating work platform each day before use	Oral and written instruction on the operation AND training in the operation of that class of elevating work platform, including a hands-on demonstration	Construction Regulation section 147 and 144 (3)
Equipment	Worker who inspects mechanically-powered vehicles, machines, tools and equipment (rated at greater than 10 hp)	Competent worker	Construction Regulation section 94 (1)
Explosives	Worker who is designated by the blasting employer to be in charge of the blasting operations	Competent worker	Construction Regulation section 196 (1)
	Worker who handles, transports, prepares, and uses explosives on a project	Competent worker	Construction Regulation section 197
Explosive-actuated fastening tool	Workers who use an explosive-actuated fastening tool	Adequate training in the tool's use (carry written proof)	Construction Regulation section 117 (1), (2)
Excavation	Person who supervises the removal of a support system for the walls of an excavation	Competent person	Construction Regulation section 239 (4)
Fall protection	Workers who use a fall protection system	Training in its use AND adequate oral and written instructions (written records)	Construction Regulation section 26.2 (1)
	Person who trains and gives adequate oral and written instructions to worker who uses a fall protection system	Competent person	Construction Regulation section 26.2 (1)
	Worker who inspects the travel-restraint system before each use	Competent worker	Construction Regulation section 26.4 (3)
	Worker who inspects the fall-restricting system before each use.	Competent worker.	Construction Regulation section 26.5 (2)
	Worker who inspects the fall-arrest system before each use.	Competent worker.	Construction Regulation section 26.6 (6)
	Worker who installs the safety net.	Competent worker.	Construction Regulation section 26.8 (2)
	Person who is under the supervision of professional engineer, and who inspects and tests installation of safety net before it is put in service.	Competent person.	Construction Regulation section 26.8 (3)
Worker who is designated by a supervisor to inspect the horizontal lifeline system before each use.	Competent worker.	Construction Regulation section 26.9 (8) 5	

REQUIRED TRAINING—CONSTRUCTION HEALTH AND SAFETY

Topic	Who?	What is required?	Legislation
Fire safety	Workers who may be required to use fire extinguishing equipment.	Training in its use.	Construction Regulation section 52 (1.1)
	Worker who inspects the fire extinguishers (at least once a month).	Competent worker.	Construction Regulation section 55
First aid	At least one worker for work crew of five or less.	“Emergency First Aid” training program.	First Aid Reg. 1101 sections 8 (2), 9 (2), and 10 (2)
	At least one worker for crew of five or more.	“Standard First Aid” training program.	
Formwork	Worker who is designated in writing by the professional engineer to inspect formwork/falsework before concrete placement.	Competent worker.	Construction Regulation section 89 (3)
Hazardous material	Workers who work with or in proximity to a controlled product.	“Workplace Hazardous Materials Information System” training program.	WHMIS Reg. 860 sections 6 & 7
Helicopter	Ground personnel including a signaller for a helicopter being used to hoist materials.	Competent worker.	Construction Regulation section 167 (3)
PPE	Workers who wear protective clothing or use personal protective equipment or devices.	Instruction and training in the care and use of the clothing, equipment, or device.	Construction Regulation section 21 (3)
Pipeline repair	Worker who carries out hot-tapping and boxing-in when repairing or altering a pipeline, under controlled conditions that provide for the protection of all persons.	Competent worker.	Construction Regulation section 48 (2)
Propane	Workers who use construction heaters and hand-held torches.	“Propane in Construction”, IHSA training program, or applicable ROT (record of training).	Propane Storage, and Handling Reg. 211/01 sections 6 & 8
	Workers who use propane-fuelled roofing equipment.	“Propane in Roofing”, IHSA program, or applicable ROT (record of training).	

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Topic	Who?	What is required?	Legislation
Roofing	Worker who operates a hoist used on a roof.	Competent worker.	Construction Regulation section 209 (2)
	Worker who operates a hot tar or bitumen road tanker or kettle.	Competent worker.	Construction Regulation section 211 (1)
Scaffolds	Worker who is designated by the project supervisor and who inspects the scaffold before it is used.	Competent worker.	Construction Regulation section 130 (3)
	Worker who supervises the erection, alteration, and dismantling of a scaffold.	Competent worker.	Construction Regulation section 131
	Worker who inspects mechanically-powered suspended platform, suspended scaffold, or boatswain's chair, before use each day.	Competent worker.	Construction Regulation section 137 (11)
Signaller	Worker who is a signaller and who assists the operator of a vehicle, machine, equipment, shovel, backhoe, crane, or similar excavating machines and hoisting devices.	Competent worker AND - Adequate oral training in his or her duties - Adequate oral and written instructions, in a language that he or she understands.	Construction Regulation section 104 (3), (4), 106 (1), (1.5)
Supervision	Person who has been appointed a supervisor by the employer.	Competent person.	<i>Occupational Health and Safety Act</i> , section 25 (2) (c)
	Person who is the supervisor's assistant and who supervises the work in place of the supervisor.	Competent person.	Construction Regulation section 14 (2)
	Person who is appointed by the supervisor and who inspects the project in place of the supervisor.	Competent person.	Construction Regulation section 14 (3)
	Person who performs the necessary tests and observations for detection of hazardous conditions on a project.	Competent person.	Construction Regulation section 14 (5)
Traffic control	Worker who sets up or removes traffic control measures on a roadway or shoulder of a roadway.	Competent worker AND adequate oral and written instruction to set up or remove the traffic control measures, in a language the worker understands.	Construction Regulation section 67 (6)
	Worker who directs vehicular traffic.	Competent worker AND adequate oral and written instruction to direct vehicular traffic, including a description of the signals that are used, in a language the worker understands.	Construction Regulation section 69 (4)

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Topic	Who?	What is required?	Legislation
Tunnels, shafts, caissons, and cofferdams	Workers (at least four) who are readily available to perform rescues of underground workers.	Training (30 days before tunneling begins) to perform rescues of underground workers.	Construction Regulation sections 265 (1) and 265 (5)
	Workers who perform underground rescue on project where tunnel and shaft have combined length exceeding forty-five metres (150 ft).	Training in the proper operation of the provided self-contained breathing apparatus.	Construction Regulation section 266
	Workers who are on a tunnel project.	Instruction in the proper use, care, maintenance, and limitations of their self-rescue respirator.	Construction Regulation section 268 (2)
	Person who is appointed by a Director, and who trains workers to perform underground rescue and to properly operate their self-contained breathing apparatus.	Competent person.	Construction Regulation sections 265 (3) and 266 (3)
	Person who inspects every self-contained breathing apparatus at least once a month, or as required by the manufacturer.	Competent person.	Construction Regulation section 266 (12)
	Worker who will give first aid at a shaft or tunnel project.	Competent worker.	Construction Regulation section 261
	Worker who is appointed by supervisor in charge of project and who operates a hoist in a hoistway or shaft.	Competent worker.	Construction Regulation section 291 (1)
	Worker who uses a device used for firing a charge.	Competent worker.	Construction Regulation section 325 (2)
Worker who tests the air and the mechanical ventilation for an underground workplace.	Competent worker.	Construction Regulation section 330 (2)	
Vehicle	Worker who operates a vehicle at a project.	Competence to operate the vehicle.	Construction Regulation section 96 (1)
	Person who instructs and supervises a worker while the worker is being trained in the operation of a vehicle.	Competent person.	Construction Regulation section 96 (2)
Window cleaning	Workers who use suspended scaffolds, boatswain's chairs or similar single-point suspension equipment while engaged in window cleaning.	Training in common core skills for safe use of suspended scaffolds, boatswain's chairs, and similar single-point suspension equipment.	Window Cleaning Regulation 859, section 45