

AUTHORIZED TRAINING PROVIDERS



Licensed Course Equipment Lists

Release Date: June 2022

Revised: June 2022

Table of Contents

Introduction.....	3
1.0 H ₂ S Alive®	5
2.0 H ₂ S Alive® Blended Renewal.....	6
3.0 Detection and Control of Flammable Substances	7
4.0 Fall Protection	8
5.0 Fall Protection for Rig Work	10
6.0 Fall Rescue for Rig Work.....	13
7.0 Fire Watch.....	15
8.0 Mobile Elevating Work Platforms.....	16
ATP Additional Course Request Form	18
ATP Permanent Location Request Form	19

Introduction

As an Authorized Training Provider (ATP), you are a valued partner and extension of the Energy Safety Canada (ESC) team. ATPs are part of a network that ensures workers in Canada's energy industry have access to quality safety training wherever they work and live. This document is intended to help you:

- Determine which ESC Licensed Courses are suitable for you to offer at your place of business.
- Add additional training locations and course offerings to your ESC account.

WHAT DO WE MEAN BY COURSE EQUIPMENT?

ESC courses have various equipment requirements so that Certified Instructors can effectively teach the course content to students. All Licensed Courses share some requirements that must be declared to offer any ESC Licensed Course; this information can be found below in general facility requirements.

Some Licensed Courses have specific requirements that are unique to them, such as SCBA tanks for H₂S Alive® or fall arrest harnesses for Fall Protection. All equipment used should be inspected as per regulatory requirements. Although a training location may be approved by ESC based on general facility equipment, specific course equipment must also be declared and approved before a course can be offered.



HOW TO USE THE EQUIPMENT LISTS

When considering offering ESC courses, equipment lists inform a training company of:

- Course-specific equipment that a training site must be able to support
- Photo requirements as a declaration for proof of equipment

SUBMITTING PROOF OF EQUIPMENT

As outlined in the Authorized Training Provider Application Form, new applicants should submit general facility photos as part of Stage 1 of the application and course-specific equipment photos as part of Stage 2. Consult the application for more details on when these photos are to be sent to ESC.

Current ATPs can submit the **Permanent Location Request** form or the **Additional Course Request** form (both forms are in appendices) depending on their current training needs. Additional courses can only be tied to previously declared Permanent Locations.

DECLARING PERMANENT LOCATIONS

ATP applicants declare at least one training location when they submit their full application. ESC then lists those locations as Permanent in its records. Current ATPs have the option of adding new Permanent

Locations depending on their business needs (for more details on what ESC classifies as a Permanent Location, consult the Authorized Training Provider Handbook).

1. Review the general facility and course-specific equipment requirements.
 - a. Current ATPs - Complete the **Permanent Location Request** form in Appendix 2 (one form per location)
 - b. ATP Applicants - Submit photos for general location requirements as part of the application process (outlined in Stage 1)

APPLYING TO OFFER ENERGY SAFETY CANADA COURSES

ESC recommends reviewing equipment lists before applying to offer ESC courses. Being prepared will improve the application experience.

1. Review the course-specific equipment requirements in this guide
 - a. Current ATPs - Complete the **Additional Course Request** form in Appendix 1
 - b. New Applicants - Submit photos for course-specific equipment as part of the application process (outlined in Stage 2)

GENERAL FACILITY REQUIREMENTS

Must be met to offer any ESC Licensed Course.

- Adequate student/staff parking
- Clearly visible muster point
- Accessible fire extinguisher, fire exits, and first aid equipment
- Emergency Response Plan posted for students to see
- Emergency First Aid Kit
- Washrooms
- Classrooms with student tables and seating setup
- Adequate audio and visual equipment appropriate for each space
- PowerPoint projection and display equipment
- Whiteboard, chalkboard, or flipchart

The following Licensed classroom courses have no further equipment requirements:

- Common Safety Orientation
- Confined Space Entry Monitor
- Oilfield Driver Awareness

GENERAL ONLINE COURSE REQUIREMENTS

ATPs have exclusive approval to offer and advertise computer lab space for ESC's online course offerings or exam proctoring. In addition to general facility requirements, the following must be provided to offer any ESC Online Course:

- Quiet, uninterrupted workspace for each computer workstation
- Equipped with webcam, headphones, keyboard and mouse
- Up-to-date operating system and web browser

1.0 H₂S Alive®

REQUIRED EQUIPMENT

SCBA	<ul style="list-style-type: none">• Minimum of 1 SCBA unit (harness assembly, air supply and regulator assembly) per five students
Regulators	<ul style="list-style-type: none">• Any SCBA unit, where the user breathes directly through the regulator, must be properly cleaned between use (may not be shared in class)
Facepiece assembly	<ul style="list-style-type: none">• Minimum 1 per student plus 1 for instructor• Masks must be properly cleaned between use (may not be shared in class)
SABA	<ul style="list-style-type: none">• Not required (however valuable to show and explain)
Gas detection pumps tubes and electronic monitors	<ul style="list-style-type: none">• Piston-type detector tube device• 1 bellows-type detector tube device. NOTE: Detector tubes must be specific for the device (CO₂ tubes are recommend)• 1 pair safety glasses• 1 tube breaker, if required• 1 biohazard disposal container for broken tubes• 1 pair of gloves, recommended• 1 personal electronic gas detection monitor, calibrated and functional• 1 cylinder of bump gas (must not be expired)• 1 sensor cover with tubing or bump station with compatible gas (in case video malfunctions)• Expired tubes may be used for in-class demonstration if box is clearly marked “Classroom Training Only”
Manikin	<ul style="list-style-type: none">• Minimum 1 manikin weighing 23 kg (50 lbs) or less of adequate size and flexibility to perform the rescue drag exercises. NOTE: Empty coveralls are not an adequate substitute.

2.0 H₂S Alive® Blended Renewal

REQUIRED EQUIPMENT

SCBA	<ul style="list-style-type: none">• Minimum 1 unit (harness assembly, air supply and regulator assembly) per five students
Regulators	<ul style="list-style-type: none">• Any SCBA unit where the user breathes directly through the regulator, must be properly cleaned between use (may not be shared in class)
Facepiece assembly	<ul style="list-style-type: none">• Minimum 1 per student• Masks must be properly cleaned between use and may not be shared (may not be shared)
Manikin	<ul style="list-style-type: none">• Minimum of 1 manikin weighing 23 kg (50 lbs) or less of adequate size and flexibility to perform the rescue drag exercises. NOTE: Empty coveralls are not an adequate substitute.

3.0 Detection and Control of Flammable Substances

REQUIRED EQUIPMENT

<p>All Classes</p>	<ul style="list-style-type: none"> • 1 portable catalytic combustible gas monitor per 4 students Record logs and manufacturers' manuals for all monitors
<p>For a class of 13 to 20</p>	<ul style="list-style-type: none"> • 2 active monitors, one of them calibrated to methane or propane: <ul style="list-style-type: none"> • 1 motorized • 1 non-motorized with 3 ft sampling hose • 3 passive monitors, both calibrated to methane or propane • 1 hand aspirator sample draw pump and 3 ft sampling hose • 1 optional IR monitor calibrated to any of the above gases • 5 record logs and manufacturer's manuals for all monitors • Appropriate calibration/function adapters for each monitor • 5 sample gas cylinders methane or propane (see last section of this table for specifics) • 5 flow regulators with specific flow rate for monitor used (e.g., 0.3, 0.5 or 1.0). Sample hose adapters for each cyl reg • 2 AC/DC monitor wall chargers • MSDS for non-reactive gases. Sheets must be dated from within 3 years
<p>For a class of 12 or fewer</p>	<ul style="list-style-type: none"> • 1 passive monitor, calibrated to methane or propane and 2 active monitors as described above • 1 hand aspirator sample draw pump and 3 ft sampling hose • Sample gas cylinders, methane or propane (see last section of this table for specifics) • 3 flow regulators with specific flow rate for each monitor used (e.g., 0.3, 0.5 or 1.0). Sample hose adapters for each cyl reg and appropriate calibration/function adapters
<p>Methane</p>	<ul style="list-style-type: none"> • Test gas mix of 2.5 %/50% LEL Methane/balanced air
<p>Propane</p>	<ul style="list-style-type: none"> • Test gas mix of 1.1%/50% LEL Propane/balanced air

4.0 Fall Protection

REQUIRED EQUIPMENT

CSA approved harness	<ul style="list-style-type: none"> Type A 1 per 2 students
CSA approved harness	<ul style="list-style-type: none"> Type D, E, L and P
Anchor connectors	<ul style="list-style-type: none"> Minimum 4 <p>Examples include:</p> <ul style="list-style-type: none"> 6 ft cable 4 ft web beam clamp engineered D-ring concrete Connector
Telescopic tripod, davit arm, or engineered anchors point in conjunction with SRL/SRD-R or an appropriate pulley system	<ul style="list-style-type: none"> Minimum of 18 ft man-rated tripod with retrieval system
Snap hooks	<ul style="list-style-type: none"> Minimum 4 different shapes/sizes
Carabiners	<ul style="list-style-type: none"> Minimum 4 different shapes/ sizes
Energy absorbing lanyard	<ul style="list-style-type: none"> Minimum 2
Rope lanyard	<ul style="list-style-type: none"> 6 ft length
Webbed lanyard	<ul style="list-style-type: none"> Minimum 1
Steel cable lanyard	<ul style="list-style-type: none"> Minimum 1
Adjustable lanyard	<ul style="list-style-type: none"> Minimum 1
Twin leg lanyard	<ul style="list-style-type: none"> Minimum 1
Deployed energy absorber	<ul style="list-style-type: none"> E4, E6 or new CSA Z259.11-17 EAs
Energy absorber	<ul style="list-style-type: none"> E4, E6 or new CSA Z259.11-17 EAs
Self-retracting life line/ self-retracting device	<ul style="list-style-type: none"> Type 1-2 SRL or Classification SRL, SRL-LE, SRL-R or SRL-LE-R
Vertical rope life line	<ul style="list-style-type: none"> 16 mm Minimum 10 ft
Rope grab AD, MDP	<ul style="list-style-type: none"> Minimum 2

Cable grab	<ul style="list-style-type: none"> • Minimum 1
Cable compatible to cable grab	<ul style="list-style-type: none"> • 2 to 10 ft
Damaged equipment for inspection exercise	<ul style="list-style-type: none"> • Minimum 10 items marked: Danger - do not use. For training use only. • Ensure equipment is numbered and accounted for at the end of each training session. Place damaged equipment in a locked environment to ensure it is not used. <p>Example of damages on soft goods:</p> <ul style="list-style-type: none"> • Discoloration UV ray exposure, chemical or heat • Pulled stitching • Excessive wear • Cuts, holes, tearing, fuzzy • Welder splatter burns, fused fibers, melted • Knots or kinks <p>Example of damages on hard goods:</p> <ul style="list-style-type: none"> • Discoloration • Excessive wear • Splicing and thimbles loosening • Swaging crimps • Knots or kinks • Corrosion • Bent closures • Latch mechanism broken or misaligned • Missing or damaged manufacturer labeling • Load indicator deployed

	<ul style="list-style-type: none"> • Wire rope • Harness (grommets & buckles)
Web pass thru adaptor	<ul style="list-style-type: none"> • Minimum 1
Cable choker	<ul style="list-style-type: none"> • Minimum 1
Cable anchor sling	<ul style="list-style-type: none"> • Minimum 1
Web Choker	<ul style="list-style-type: none"> • Minimum 1
Snap hooks	<ul style="list-style-type: none"> • 2 scaffold or ladder snap hooks • 2 standard snap hooks <p>Note: Not all snap hooks have to be integral</p>
Carabiners (locking)	<ul style="list-style-type: none"> • 2 standard carabiners • 2 large scaffold
Lanyards	<ul style="list-style-type: none"> • 1 wire rope with energy absorber • 2 4 ft ropes • 1 (1 X 3') shock absorbing web • 1 (1 X 6') fixed rope • 1 (1 X 6') adjustable web lanyard • 2 double leg lanyards with ladder snap hooks • 1 tie back lanyard • 1 cable • 1 double leg lanyard with heavy duty hooks
Full body harnesses	<p>Harnesses for students must be APDL and come with approved shock absorber, CEN, CSA or ANSI approved only.</p> <ul style="list-style-type: none"> • Minimum quantity of: <ul style="list-style-type: none"> • 1 extra small • 3 small • 8 medium • 6 large • 2 extra-large
Vertical rope lifeline system C/W	<ul style="list-style-type: none"> • 2 rope lifeline systems attached to appropriate anchorage

	<ul style="list-style-type: none"> • Tensioning device for the lifelines • Fall arrestor designed for use with lifelines • Lanyard as specified by manufacturer; length to allow a maximum 6 ft freefall at any time (3 ft fixed length shock absorbing lanyard)
Additional requirements:	<ul style="list-style-type: none"> • Permanent cable ladder system • Minimum of 1 temporary cable ladder system • 3 displays of SRLs, 1 of each type (1, 2 and 3) • Minimum of 2 SRLs, 1 above access ladder and 1 above monkey board for student training • Separate fall arrest system for instructor at monkey board • Certified Instructors must have access to a ladder and fall arrest system to perform rescues as necessary • Descent fall arrest system for alternate descent ladder. Can include: <ul style="list-style-type: none"> • Permanent ladder cable system • Temporary ladder cable system • Additional SRL • Taglines for each SRL on the climbing device • Emergency first aid kit • Fall protection plan for each exercise
Appropriate personal protective equipment	<ul style="list-style-type: none"> • Hard hat, safety glasses and gloves
Capable of performing the required physical activities	<ul style="list-style-type: none"> • Participants must be able to safely execute a suspension exercise

6.0 Fall Rescue for Rig Work

REQUIRED EQUIPMENT

Drilling rig, service rig or rig simulator	Simulators must meet the minimum guidelines as outlined below
Traverse stretcher	<ul style="list-style-type: none"> • Must be man rated with adjustable 4-point bridle and securing straps
Backboard	<ul style="list-style-type: none"> • Minimum of 1, must have 3 restraint straps
Full body harness	<p>Harnesses for students must be APDL and come with approved shock absorber, CEN, CSA or ANSI approved only.</p> <ul style="list-style-type: none"> • Minimum of: • 1 extra small • 3 small • 8 medium • 6 large • 2 extra-large
Bypass lanyard system	<ul style="list-style-type: none"> • Minimum of 2 first climb bypass lanyard systems
Taglines	<ul style="list-style-type: none"> • Minimum of 3 taglines 8mm (3/4 in.) or larger in diameter • Minimum 30 m (100 ft.) c/w auto lock carabiner and rope bag
Carabiners	<ul style="list-style-type: none"> • Minimum of 2 scaffold carabiners • Minimum of 10 auto locking steel carabiners rated by manufacturer
Anchor connectors	<ul style="list-style-type: none"> • Minimum of 4 approved anchor connectors
Pulleys	<ul style="list-style-type: none"> • Minimum of 2 pulleys sized for main line
Fall arrest systems	<ul style="list-style-type: none"> • Minimum of 3 fall arrest systems, retractable lifelines or rope Grabs, per CEN, CSA or ANSI standards
First aid kit	<ul style="list-style-type: none"> • Minimum of 1 emergency first aid kit per provincial regulations
Sliding anchor device	<ul style="list-style-type: none"> • Minimum of 1 sliding anchor device - 1,400 kg (3,000 lb.) anchor

Web or rope lanyards	<ul style="list-style-type: none"> • Minimum of 2 1.8 m (6 ft.) web or rope lanyards
Adjustable lanyard	<ul style="list-style-type: none"> • Minimum of 2 1.8 m (6 ft.) or longer adjustable lanyard
Rescue system	<ul style="list-style-type: none"> • Minimum of 1 rescue system. Additional rescue equipment required for a backup system. • Components to conform to strength requirements accepted by OH&S
Rope grab	<ul style="list-style-type: none"> • Minimum of 1
Lowering devices	<ul style="list-style-type: none"> • Minimum of 2 different lowering devices, 1 panic proof
Progress capture devices	<ul style="list-style-type: none"> • Minimum of 2 different progress capture devices
Minimum guidelines for rig simulator	<ul style="list-style-type: none"> • Sufficient clearance for fall arrest protection system • Minimum size and configuration of a monkey board shall be representative of a single service rig or drilling rig • Man-rated tugger or winch system required for raising and lowering personnel shall have a manufacturer's specification or a professional engineer's certification for this purpose • The rig simulator shall be equipped to provide fall arrest for all personnel above 3 m during fall rescue for rig work • The rig simulator shall have a manufacturer or a professional engineer's certification • At minimum, the simulator shall have 2 rated ladders with SRL type 2 for fall protection
Capable of performing the required physical activities	<ul style="list-style-type: none"> • Participants must be able to safely execute a suspension exercise
Appropriate personal protective equipment	<p>ATPs must have PPE available for students who are not properly equipped, including:</p> <ul style="list-style-type: none"> • Hard hats • Safety glasses • Gloves

7.0 Fire Watch

REQUIRED EQUIPMENT

Dry chemical fire extinguisher	<ul style="list-style-type: none">• 20 lbs (9 kg) or larger
Water extinguisher	<ul style="list-style-type: none">• 2.5 gallon (9.5 L) or larger
Carbon dioxide extinguisher	<ul style="list-style-type: none">• 10 lbs (4.5 kg) or larger
UL approved fire blanket	<ul style="list-style-type: none">• For demonstration
Caution flagging sample	<ul style="list-style-type: none">• Special caution flagging tape, flags, stickers, etc.
Fire simulation system	<ul style="list-style-type: none">• Digital fire extinguishing system or live fire training unit• To be approved by Energy Safety Canada
PPE for live fire	Minimum of 1 per student plus 1 for the instructor <ul style="list-style-type: none">• FR coverall• Safety glasses• Gloves

8.0 Mobile Elevating Work Platforms

REQUIRED EQUIPMENT

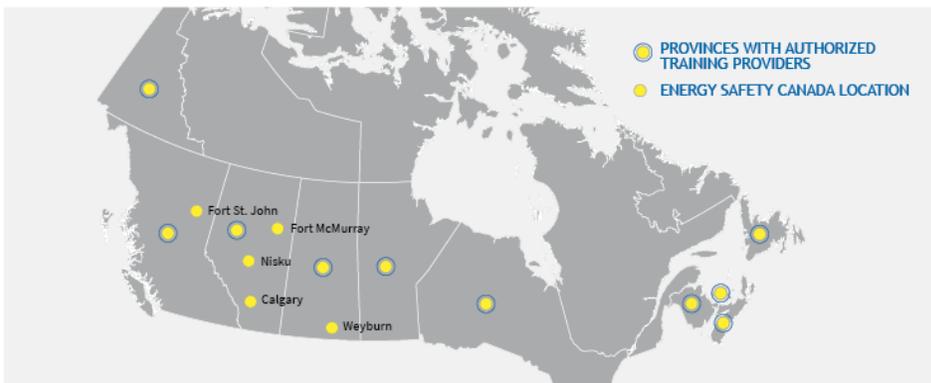
MEWP	<ul style="list-style-type: none">• Type 3, Group B MEWP
Course Markers	<ul style="list-style-type: none">• Pylons, triangles or lighting to mark the path of travel MEWP will take during training
Fall Protection	<ul style="list-style-type: none">• Harnesses for all students. Students may provide their own.
Practical Exercise Location	<ul style="list-style-type: none">• The location of the practical exercises should be safe for the operation of a MEWP for educational purposes.• No outside traffic (vehicles or people) moving through training site• Overhead hazards identified and the MEWP should only be operated in accordance with OH&S• Regulations for overhead hazards• Students should not be at risk of encountering any structures or objects while going through the operations of the MEWP
PPE	<ul style="list-style-type: none">• Hard hat• Steel-toe shoes• Gloves

SAFETY DOESN'T CLOCK IN AND IT DOESN'T PUNCH OUT. IT'S 24/7.

ENERGY SAFETY CANADA SERVICES:

- Virtual training
- Safety services
- Company consultations
- Data reports
- Certificate of Recognition

LOCATED WHERE YOU ARE:



Phone:
1 800 667 5557



Email:
Safety@Energy
SafetyCanada.com



Web:
EnergySafety
Canada.com

ATP Additional Course Request Form



AUTHORIZED TRAINING PROVIDER CONTACT INFORMATION:

Business Name:

ATP ID#:

Street Address:

Phone Number:

PERMANENT LOCATIONS WHERE REQUESTED COURSES WILL BE OFFERED

Permanent Location Addresses:

REQUEST TO ADD THE ENERGY SAFETY CANADA COURSE(S) BELOW:

Course Name(s):	Instructor Name(s):
<input type="text"/>	<input type="text"/>

PICTURES REQUIRED:

- Course-specific equipment as listed in this document
- Equipment cleaning, drying, or storage area including manufacturer required sanitation and disinfecting products or maintenance interval logs
- Classroom(s): 4 different angles (must be able to understand classroom dimensions, student seating, and sufficient space for practical exercises)

SIGNING AUTHORITY:

Name:

Date:

Email:

Signature:

ENERGY SAFETY CANADA:

Approved: Rejected:

Date:

Evaluations Program Manager:

TRD Program Manager:

Return the Completed Form to: Energy Safety Canada - Evaluations@EnergySafetyCanada.com



APPENDIX 2

ATP Permanent Location Request Form

AUTHORIZED TRAINING PROVIDER CONTACT INFORMATION:

Business Name:

Street Address:

Phone Number:

REASON FOR REQUEST:

- Recurring Temporary Site Acquired Additional Facility Moved Primary Location

I hereby confirm the location below meets all training facility requirements as per Energy Safety Canada course standards

Location Name:

Physical Address:

City: Province: Postal Code:

Course Name(s):

Instructor Name(s):

Class Max #:

PICTURES REQUIRED:

1. Adequate student/staff parking
 2. External signage indicating Authorized Training Provider name
 3. Muster point clearly visible
 4. Fire extinguisher, fire exits and first aid equipment accessible
 5. Emergency Response Plan Posted
 6. Washrooms and classroom(s): 4 different angles - must be able to understand classroom dimensions, student seating, and sufficient space for practical exercises
 7. PowerPoint projection and display equipment
 8. White board or flip chart
- Check here if done at a different location

SIGNING AUTHORITY:

Name:

Date:

Email:

Signature:

ENERGY SAFETY CANADA:

Approved: Rejected:

Date:

Evaluations Program Manager:

NOTES:

Return the Completed Form to: Energy Safety Canada - Evaluations@EnergySafetyCanada.com