ITRA

INTERNATIONAL TECHNICAL RESCUE ASSOCIATION

Attendance based
Introductory Courses

2019

Version 4

| Swiftwater Rescue |

| Rope Rescue |

| Urban Search & Rescue |

| Confined Space Rescue |

www.itra.international

Introduction to Swiftwater Responder

ISR

This course introduces how to provide initial response to swiftwater and flood incidents, effect shore based or wading rescues, and be able to effect self-rescue. It is aimed at those wanting to learn the basics of swiftwater rescue in preparation for Introduction to Swiftwater Technician (IST) course and/or assessment against the ITRA Level 1 Swiftwater Responder Qualification.

The ISR course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	Basic swimming ability
Typical Duration	2 days
Course Code	ISR
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Overview of ITRA, incident command, rescue and safety laws, management of animals in emergencies, communications and signals, command tactics, night operations, knots, rescue equipment, anchoring, hydrology, environmental care and biosecurity, swiftwater hazard management, medical considerations, vehicle drowning prevention, contamination/decontamination, water craft types, swiftwater swimming techniques, throw bag rescues, shallow water crossing methods, entrapment drills, cinch rescues, shore based vehicle stabilisation, boat on tether, inflatable fire hose, culvert and storm drain rescue, river search strategies, reach based rescues, and determining rescue/recovery mode.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 1 Swiftwater Responder), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Personal Floatation Device (PFWD)
- Wet-suit or dry-suit
- Water rescue helmet
- Pea-less whistle
- River knife
- Water rescue throwbag
- River or sports shoes
- Dive or river gloves
- Alloy locking karabiner
- Prussik cord

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Swiftwater Technician | IST

This course builds on the ITRA Introduction to Swiftwater Responder course (or may be delivered together) and introduces how to carry out contact rescues using swim and boat based methods up to Class II. It is aimed at those wanting to learn intermediate level skills required for swiftwater rescue in preparation for Introduction to Swiftwater Advanced (ISA), Introduction to Swiftwater Boat Operations (ISB) course and/or assessment against the ITRA Level 2 Swiftwater Technician Qualification.

The IST course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Swiftwater Responder
Typical Duration	3 days
Course Code	IST
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Helicopter safety, rigging mechanical advantage systems, in-water spinal rolls, zip lines, strainer negotiation, combat and towed swim, live bait/tethered rescue swimmer drills, V lower rescue, use of capture plates, boat on basic highline rigging, knowledge of rescues from high hazard features (low head dams, aqueducts, canals, ice, mud etc), quick release harness operation, wading based vehicle rescues, power boat types, line crossing methods, zip line deflection and using curtain captures on tension diagonals.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 2 Swiftwater Technician), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Personal Floatation Device (PFD)

  With Quick Release Harness

- Wet-suit or dry-suit

- Water rescue helmet

- Pea-less whistle

- River knife

- Water rescue throwbag

- River or sports shoes

- Alloy locking karabiner

- Prussik cord

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Swiftwater Advanced

ISA

This advanced course introduces how to carry out contact rescues from vehicles in swiftwater, as well as perform rescues and body recoveries from a range of challenging river and flood environments, including low head dams and aqueducts. It is aimed at those wanting to learn advanced level skills required for swiftwater rescue, body recovery from water and/or assessment against the ITRA Level 3A Swiftwater Advanced Qualification.

The ISA course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Swiftwater Technician
Typical Duration	4 days
Course Code	ISA
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: boat on reeving highline, class III advanced swimming, rescues from low head dams and aqueducts, pack floats, wader safety, body recovery legal issues, use of river fins, disaster victim identification, recovery incident management, basic forensics for body recovery, infectious diseases in body recovery, paddle boat handling Class III, using adjuncts in water rescue, below surface drowned victim recovery, vehicle behaviour in water, rescue methods from vehicles in water, night operations, cargo net rescue/recovery, rescue swimmer vests and more.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3 Swiftwater Advanced), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Personal Floatation Device (PFD)

  With Quick Release Harness

- Wet-suit or dry-suit

- Water rescue helmet

- Pea-less whistle

- River knife

- Water rescue throwbag

- River or sports shoes

- Karabiners and prussiks

- Waterproof headlamp for helmet

Find an instructor for this course at:

Verify instructors at www.itra.international

ITRA

Introduction to Swiftwater Vehicle Rescue   ISV

This course is for swiftwater technicians who want to specialize as in rescues from vehicles in swiftwater. It is aimed at those wanting to learn about vehicle dynamics in flowing water and how to carry out wading and contact rescues from vehicles in flow and may help prepare students for assessment against the ITRA Level 3V Swiftwater Vehicle Rescue Qualification.

The ISV course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Swiftwater Technician
Typical Duration	2 days
Course Code	ISV
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: submerging vehicle escape, vehicle behaviour in water, hazard identification and management of vehicle rescues from water, myths and science around vehicle rescues, case studies, glass management, shore based vehicle stabilisation methods, capture devices/snag plates, tethered and paddle boat access methods, ladder based options, zip lines and scenarios.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3V Swiftwater Vehicle Rescue), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Personal Floatation Device (PFD)

  With Quick Release Harness

- Wet-suit or dry-suit

- Water rescue helmet

- Pea-less whistle

- River knife

- Water rescue throwbag

- River or sports shoes

- Karabiners and prussiks

- Water rescue gloves

Find an instructor for this course at:

Verify instructors at www.itra.international

ITRA

Introduction to Swiftwater Boat Operations   ISB

This course is for swiftwater technicians who want to specialize as a swiftwater/flood rescue boat operator. It is aimed at those wanting to learn swiftwater boat crewman, boat based rescue swimmer and skipper roles up to and including Class III and/or assessment against the ITRA Level 3B Swiftwater Boat Operations Qualification.

The ISB course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Swiftwater Technician*
Typical Duration	5 days
Course Code	ISB
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

* Other local mandatory courses such as Coastguard Boating courses may be required.

Course Syllabus: Class III paddle boat handling and swimming. Boating: pre-launch checks, engine faults, launching/ trailering, trip planning, maritime rules, radio distress procedure, engine start up, low speed manoeuvring, high speed manoeuvring, crew calls/coordination, holding station, J turns, eddy glide, man over board drill, rescue swimmer drop off and pick up, casualty pick up, pacing with another craft, flips and righting, search patterns, night operations, ladder access, vehicle access, fast landing, mid-stream object touch, emergency procedures, recommissioning, power boat handing Class I-III, inflatable boat repairs, docking and boat assembly.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3B Swiftwater Boat Operator), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Personal Floatation Device (PFD)

   With Quick Release Harness

- Wet-suit or dry-suit

- Water rescue helmet

- Pea-less whistle

- River knife

- Water rescue throwbag

- River or sports shoes

- Karabiners and prussiks

- Waterproof headlamp for helmet

Find an instructor for this course at:

Verify instructors at www.itra.international

This entry level course is for those seeking training and/or assessment against the ITRA Level 1 Rope Responder qualification covering basic high angle casualty access and low angle stretcher operations.

The IRR course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	Comfortable working at height
Typical Duration	3-4 days
Course Code	IRR
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Overview of ITRA, incident command, rescue and safety laws, communications and signals, command tactics, knots, rescue equipment, single and multi-point anchoring, hauling and lowering systems (low angle), belay operation, edge protection, edge-lines or work positioning systems, personal ascending and descending (and change overs), on-rope self rescue, patient packaging, litter attending, rope rescue medical considerations.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 1 Rope Responder), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Coveralls or suitable work wear
- Hiking or safety boots
- Safety goggles
- Leather gloves
- Certified auto-lock descender (11mm)
- 10 alloy triple lock karabiners
- Prussik loops or Purcell prussiks
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Rope Technician

IRT

This course builds on the Introduction to Rope Responder course and is aimed at preparing students for the ITRA Level 2 Rope Technician assessment.

The IRT course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Rope Responder (IRR)
Typical Duration	3-4 days
Course Code	IRT
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: lowering and raising systems (high angle), stretcher and attendant rigging for high angle operations, knot passing (ascend, descend, lower, raising), artificial high directional, complex and compound mechanical advantage, horizontal highlines, system change overs, rope rescue physics (vector forces, fall factors, slope loading and T method), system analysis, pick-off rescues, stretcher edge negotiation, anchors (vehicle, deadman, ground anchors), load releasing hitches, improvised harnesses, lock out-tag out systems, and safety around aircraft.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3 Rope Technician), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Coveralls or suitable work wear
- Hiking or safety boots
- Safety goggles
- Leather gloves
- Certified auto-lock descender (11mm)
- 10 alloy triple lock karabiners
- Prussik loops or Purcell prussiks
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Rope Advanced

IRA

This course builds on the Introduction to Rope Technician course and is aimed at preparing students for the ITRA Level 3 Rope Advanced assessment.

The IRA course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to Rope Technician (IRT)
Typical Duration	3-4 days
Course Code	IRA
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Tower rescue, reeving highline systems, advanced use of artificial high directionals, pick-off rescues from suspension, contingency anchors, retrievable rappel systems, micro-haul systems, guiding line/off-set lowers, self and ground belay techniques, vertical fall arrest, on-rope back-up devices, on-rope line transfers and advanced knowledge of equipment. The IRA syllabus also has a number of optional elements to meet client needs, including night operations, mid-face litter scoop, deadman anchors, tree climbing and rope access skills.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3 Rope Advanced), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Coveralls or suitable work wear
- Hiking or safety boots
- Safety goggles
- Leather gloves
- Certified auto-lock descender (11mm)
- 10 alloy triple lock karabiners
- Prussik loops or Purcell prussiks
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

This entry level training course is for those preparing for assessment against the ITRA Level 1 Urban Search & Rescue—Light qualification, covering a light class of response to collapsed structure incidents.

The IUR course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee to the Association.

Pre-Requisite	Medical First Responder recommended
Typical Duration	5-10 days
Course Code	IUR
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: ICS System, laws, response framework, management of animals during emergencies, command tactics & zoning, managing night/poor visibility, knots, basic ladder operation, scene management, initial actions, response system & team typing, phases of rescue (REPEAT), hazard identification and management, building construction, collapse patterns, search techniques, marking systems, movement of stretcher, national, regional & international support mechanisms, confined space identification & hazards, triage & medical considerations, knowledge of INSARAG guidelines & methodologies, casualty immobilisation & extrication, assessment reporting, lifting & moving, shoring, communications, breaching and breaking and participation in an urban search and rescue exercise involving rescue from light structures. **Note:** Most objectives aligned to INSARAG/IFRC responder Training Package.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 1 USAR—Light), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Rescue helmet for Urban Search & Rescue
- Coveralls suitable for Urban Search & Rescue
- Safety boots
- Safety goggles
- Debris/rescue gloves
- Knee & elbow pads
- Ear protection
- Respiratory protection (from dusts)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

This course builds upon the knowledge and skills acquired in the ITRA Introduction to USAR - Light (IUR) course and is suitable for those seeking assessment against the ITRA Level 2 Urban Search & Rescue—Medium qualification covering a medium class of response to collapsed structure incidents.

The IUT course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to USAR - Light
	ITRA Introduction to Rope Responder
	ITRA Introduction to Confined Space Responder
Typical Duration	5-10 days
Course Code	IUT
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: This course will revisit underpinning skills covered in the pre-requisite IUR course with the addition of basic safety around aircraft, structural triage systems, knowledge of structures, materials and damage types, USAR rescue strategy and techniques, construction of window, door and vertical shoring systems to the FEMA class 2 standard, breaching of concrete, timber and metal, building debris weight estimation and calculations, lifting, cribbing, rolling and stabilization of debris, technical and canine search systems including operational advantages and disadvantages, rescue of persons from medium structures and field safety and security in international disaster response and participation in an urban search and rescue exercise involving rescue from medium structures..

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 2 USAR - Medium) it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Rescue helmet for Urban Search & Rescue
- Coveralls suitable for Urban Search & Rescue
- Safety boots
- Safety goggles
- Debris/rescue gloves
- Knee & elbow pads
- Ear protection
- Respiratory protection (from dusts)

Find an instructor for this course at:

Introduction to USAR - Heavy

IUA

This course builds upon the knowledge and skills acquired in the ITRA Introduction to USAR - Medium (IUT) course and is suitable for those seeking assessment against the ITRA Level 3 Urban Search & Rescue - Heavy qualification covering a heavy class of response to collapsed structure incidents.

The IUA course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ITRA Introduction to USAR - Medium
	ITRA Introduction to Rope Technician
	ITRA Introduction to Confined Space Technician
Typical Duration	5-10 days
Course Code	IUA
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: This course will revisit all aspects of the pre-requisite courses with the addition of the construction of vertical and horizontal shoring systems for heavy structures including raker shores, laced post shores, sloped floor shores to FEMA Class 3 standard, breaching of concrete (450mm thick) and metal (20mm thick) on heavy structures, lifting, cribbing, rolling and stabilization of debris on heavy structures with loads in excess of 2,000kgs and participation in an urban search and rescue exercise involving rescue from heavy structures.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3 USAR—Heavy), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Rescue helmet for Urban Search & Rescue
- Coveralls suitable for Urban Search & Rescue
- Safety boots
- Safety goggles
- Debris/rescue gloves
- Knee & elbow pads
- Ear protection
- Respiratory protection (from dusts)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

ITRA

Introduction to Confined Space Responder

ICR

This entry level course is for those seeking training and/or assessment against the ITRA Level 1 Confined Space Responder qualification covering a rescue response to confined space incidents at a basic level.

The ICR course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	Medical First Responder recommended
Typical Duration	2-3 days
Course Code	ICR
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: ICS System, rescue/safety laws, response framework, command tactics/zoning, managing night/ poor visibility, knots, communications, standard operating procedures/guidelines, equipment/maintenance, safety systems and protocols for rope rescue, edge lines/work positioning, lockout/tag out systems, emergency isolation of utilities, identification/types/hazards of confined space, characteristics/stratification of gases. Hazard management, entry protocols, rescue team roles/procedures, basic artificial directional, atmospheric zoning, intrinsic safety, non-retrieval techniques (including pole based rescue), gas detector types/applications/limitations/ operation including calibration/testing/settings, medical considerations and toxicology, rescue command tactics and size up, casualty management, protective equipment options, fire management, health/hygiene, mechanical winch operations, respiratory equipment and documentation.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Confined Space Level 1), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Rescue coveralls
- Safety boots
- Safety goggles
- Rescue gloves
- Knee & elbow pads
- Head torch (intrinsically safe)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

ITRA

Introduction to Confined Space Inert

ICN

This course builds upon the knowledge and skills acquired in the ITRA Confined Space Responder (ICR) course and those seeking training and/or assessment against the ITRA Level 1N Confined Space Inert qualification covering rescue response to confined space incidents in an inert environment at a basic level.

The ICN course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ICR
Typical Duration	2-3 days
Course Code	ICN
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: American Petroleum Institute Standard RP 2217A Identification of respiratory protection zones for inert workplaces, establish and manage umbilical systems for inert confined space entry, don, operate and test protective equipment for inert confined space entry including anti-panic helmets, perform non-entry retrieval rescues of entrant wearing umbilical systems from inert confined space, operate emergency air supply as entrant when umbilical system compromised, operate umbilical communication systems and contingency communication system, document safety records and permits for inert confined space work, carry out the function of entrant at inert confined space worksite, carry out the function of attendant at inert confined space worksite and carry out the function of supervisor at inert confined space worksite.

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 1N Confined Space), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Rescue coveralls
- Safety boots
- Safety goggles
- Rescue gloves
- Knee & elbow pads
- Head torch (intrinsically safe)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Confined Space Technician   ICT

This course builds upon the knowledge and skills acquired in the ITRA Introduction to Confined Space Responder (ICR) course and those seeking training and/or assessment against the ITRA Level 2 Confined Space Technician qualification covering rescue response to confined space incidents at a technician level.

The ICT course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ICR
Typical Duration	3-5 days
Course Code	ICT
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Technical rescue activities at night/in poor visibility condition, simple mechanical advantage rigging, independent belay/safety systems, rope rescue hazard identification/management, protection of rope systems, selection/construction of single point anchors, selection/construction of multi point anchor, select/erect artificial high directional, rope rescue physics, vertical fall arrest systems, improvised harnesses, spark limiting tools, basic half/full face filter respirators, self Contained Breathing Apparatus, rescue entry techniques, gas detection common terms/data interpretation, ventilation/exhaust systems, confined space stretchers/patient packaging, case study analysis, community pre-planning for technical confined space rescues, decontamination considerations for confined space rescue, knowledge of free flowing solid engulfment rescue techniques

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 2 Confined Space Technician), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Rescue coveralls
- Safety boots
- Safety goggles
- Rescue gloves
- Knee & elbow pads
- Head torch (intrinsically safe)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international

Introduction to Confined Space Advanced — ICA

This course builds upon the knowledge and skills acquired in the ITRA Introduction Confined Space Technician course and those seeking training and/or assessment against the ITRA Level 3 Confined Space Advanced qualification covering rescue response to confined space incidents at an advanced level.

The ICA course is attendance based and upon participation of all the respective learning objectives, a programme completion certificate can be issued to members upon payment of fee from the Association.

Pre-Requisite	ICT
Typical Duration	5-7 days
Course Code	ICA
Certificate	ITRA Programme Completion
	ITRA Attendance Certificate

Course Syllabus: Personal ascending/descending, select/construct/operate high angle lower/raise systems, patient packaging into litter/stretcher, prepare litter/stretcher for high angle evacuation, knot pass on belay/haul system/ lower system, litter attendant rigging and operation for high angle, system changeovers (lower to raise & raise to lower), rope rescue system analysis, pick-off rescue, structural collapse patterns and void spaces, compound & complex mechanical advantage systems, guiding line off-set, advanced artificial high directional, additional knots, operation of powered air respirators/airline breathing apparatus/escape sets, limited visibility guiding line operation, free flowing solid engulfment rescue and operation of other gas detectors (photo ionization detectors, infrared, gas detection tubes).

Course Variations: ITRA Instructors may teach additional learning objectives. In such cases, these will be shown on the student's ITRA Record of Learning. Students may attend multiple courses from ITRA instructors to meet programme completion requirements.

Re-Certification: As this is not a competency qualification (like ITRA Level 3 Confined Space Advanced), it does not have an official expiration date. We recommend that practitioners seek to become assessed for competency with our competency qualifications, which must be re-assessed every three years to maintain currency.

Recommended Student Equipment

- Certified full body rescue harness
- Rescue helmet for working at height
- Rescue coveralls
- Safety boots
- Safety goggles
- Rescue gloves
- Knee & elbow pads
- Head torch (intrinsically safe)
- Whistle

Find an instructor for this course at:

Verify instructors at www.itra.international