



INTERNATIONAL TECHNICAL
RESCUE ASSOCIATION

Technical Rescue Qualifications

2019

Version 2



Swiftwater Rescue

Rope Rescue

Confined Space Rescue

Companion Animal Rescue

www.itra.international





About the International Technical Rescue Association

Purpose: Why ITRA

- To promote international best practices and standards for technical rescue.
- To improve the global portability and recognition of professional rescue qualifications.
- To provide local flexibility in delivering technical rescue training curriculum.

Vision: Our hope

- A collaborative and professional global technical rescue industry.

Mission: What we do

- Recognise and document locally delivered training according to global best practice.
- Provide Independent competency-based assessment for instructor and technical rescuers.
- Maintain a global central database of training records for members.
- Share safety related lessons learned from technical rescue activities to prevent harm.

Values: How we do it

Accountability:

- Training and assessment systems developed by industry for industry.
- A non-profit entity that is driven by and accountable to its membership.
- Instructors and Practitioners maintain their currency through robust re-certification process.
- Members acting professional and accountable under a Code of Conduct.

Transparency:

- Meaningful and genuine consultation with members on our work.
- Active use of social media to engage and keep members informed.
- Annual disclosure of our activities and finances to our members.
- Public register of qualified practitioners, instructors and assessors.

Working together:

- To share knowledge, skills, and experiences across all disciplines of technical rescue.
- Establish an international reporting system to highlight safety concerns within the industry.



About us: The International Technical Rescue Association (ITRA) was officially formed in Wayne, Pennsylvania, USA in May 2018 by well respected technical rescue instructors from around the world. The mandate was simple, to create a non-profit global body that would allow the delivery of local training standards through a network of internationally recognized technical rescue instructors.

We promote international best practices and standards for technical rescue, improve the global portability and recognition of professional rescue qualifications, and provide local flexibility in delivering technical rescue training curriculum.

Our Instructors have to undergo a rigorous assessment and re-certification process, ensuring in-house (agency) and commercial (independent) instructors are subject to external validation, incident reporting and as with all our members, a code of professional conduct.

Student achievement of learning objectives are recorded by our instructors on a global database which students can access as student members (membership fee applies). This means students who work for different organizations or are taught by different instructors have a central database to track their rescue training.

Our secure global database allows members to validate their training record online in real time, allowing incident commanders to make better task allocation decisions and for clients to verify instructor credentials. Optional ID cards will be available too.

We also offer formal practitioner qualifications that have globally set learning objectives that practitioners can be evaluated to using competency based assessment. These qualifications have three levels and will be available for a range of technical rescue disciplines to provide a globally recognized qualification that is set by the industry, for the industry using a not for profit model.

We also provide associate members and higher classifications of membership access to our global safety database and alert system. Ensuring the accident of today from the other side of the world, can be prevented tomorrow in your own area.

With over 300 teaching points, ITRA instructors can teach short or long courses to meet local needs including a cluster of teaching points that can aligned to local, state or national standards (i.e. NFPA, DEFRA, PUA, NZQA etc). Most training across the world is attendance based and therefore instructors have the ability to record all training given within their scope of approval onto the ITRA database. No more cookie cutter courses, Instructor's can select what teaching points are needed and later recorded in the global database, which may work toward or align with local or national standards as well as ITRA qualifications.

Students pay a small annual fee to access their online student learning record (transcript), so apart from being an active member, the flexible teaching delivery can be centrally recorded at no extra cost as the instructor enters teaching point completions into the global database. This makes it ideal for capturing internal training, as such learning objectives can be easily recorded on the global database at no cost. Students can access their transcript online easily to validate what training they have undertaken through any ITRA Instructor.

Members will also be able to see what learning objectives they have not completed in preparation for assessment against global ITRA qualifications. Once a member has attended training for all the learning objectives in an ITRA qualification, they are then eligible for an introductory certificate (i.e. ITRA Introduction to Swiftwater Technician) which confirms attendance of all related learning objectives, but not necessarily competence. Where members want to seek a competency based qualification, every learning objective is then rigorously assessed for competence by an independent ITRA Instructor (i.e. the Instructor cannot be from the same organization or family etc).

Upon the completion of achieving competence across the prescribed learning objectives for the respective ITRA qualification, the member is awarded an ITRA Qualification such as Rope Rescue Level 1 which becomes the first multi-standard and globally recognised technical rescue professional qualification. Naturally, ITRA qualifications are subject to three year re-evaluation and those holding a full ITRA qualification are also listed on the public register of ITRA qualified practitioners.

For instructors there are no mandatory student packets to purchase, unless your company produces/supplies/requires them as part of their own administrative processes.



Qualification Graduate Profiles

Swiftwater

Level 1(Responder)

Practitioners at this level are able to provide initial response to swiftwater and flood incidents, effect shore based or wading rescues, and be able to effect self-rescue.

Level 2 (Technician)

Practitioners at this level are able to provide a technical response to non-complex swiftwater and flood incidents, including effecting contact and basic boat based rescue.

Level 3A (Advanced)

Practitioners at this level are able to carry out complex swiftwater and flood rescues or body recoveries, including from vehicles and other high hazard environments.

Level 3B (Boat)

Practitioners at this level are able to carry out motorised boat rescue operations up and including Class III environments.

Rope

Level 1 (Responder)

Practitioners at this level are able to as part of a team, but with minimal supervision are able to respond to a rope rescue incident, apply low angle stretcher manoeuvres, and perform basic rope access and ascent techniques to access and stabilise patients.

Level 2 (Technician)

Practitioners at this level are able as part of a team, respond and lead rope rescue incidents in both the low and high angle environment.

Level 3 (Advanced)

Practitioners at this level are able carry out complex high angle rescues and provide specialist advice.



Qualification Graduate Profiles

Confined Space	Companion Animal
<p>Level 1(Responder)</p> <p>Practitioners at this level are able to as part of a team, but with minimal supervision are able to respond to a confined space rescue, carry out a risk assessment, undertake basic atmospheric testing, complete entry documentation, and conduct non-entry or simple entry rescues or stabilize an incident whilst waiting for technician or above capable practitioners.</p>	<p>Level 1 (Responder)</p> <p>Practitioners at this level are able to, as part of a team, able to respond to disaster and emergency situations involving companion animals to effect basic rescue and evacuation, including using ground level or ladder accessed rescues. Practical light rescue (USAR) and flood safety skills are covered, along with wildfire and confined space awareness.</p>
<p>Level 2 (Technician)</p> <p>Practitioners at this level are able as part of a team, respond and lead confined space rescue incidents that may include irrespirable atmospheres and/or require basic rope systems to access or extricate the casualty as well as implement mechanical ventilation or exhaust systems. Practitioners are also able to undertake community risk management and pre-planning for confined space incidents.</p>	<p>Level 2 (Technician)</p> <p>Practitioners at this level are able to provide technical response to companion animal emergencies including low angle environments and basic swiftwater incidents. They are also capable of carrying out decontamination of companion animals and using low damage forced entry techniques for urban search and rescue.</p>
<p>Level 3A (Advanced)</p> <p>Practitioners at this level are able carry out complex and extended confined space rescues including the use of supplied air respirators, a wide variety of gas and toxic substance detectors, and advanced rope systems, and provide specialist advice.</p>	<p>Level 3 (Advanced)</p> <p>Practitioners at this level are able to carry out complex and extended technical rescues of companion animals, including high angle, swiftwater and structural collapse environments.</p>

Swiftwater Rescue 1

Swiftwater Responder

ITRA Ref #	Discipline	Learning Objective Title	Key*
100	General	Introduction to ITRA	K
101	General	Introduction to local incident command system	K
102	General	Introduction to local rescue and safety laws	K
103	General	Introduction to local response frameworks and protocols	K
104	Animal	Management of animals during emergencies	K
105	Water	Rescue communications (whistles and hand signals) on river	K
107	General	Basic command tactics and zoning for technical rescue	K
108	General	Knowledge of managing night/poor visibility operations for technical rescue	K
110	Rope	Basic knots for rescue	S
111	Rope	Basic equipment for rope rescue	K
112	Rope	Single point anchoring for rope rescue	S
114	Water	Introduction to river and flood hydrology	K
115	Water	Environmental care and biosecurity precautions	K
116	Water	Swiftwater and flood hazard management	K
117	Water	Medical considerations for swiftwater and flood	K
118	Water	Vehicle drowning prevention and escape methods	K
119	Water	Basic equipment for water rescue	K
120	Water	Contamination and decontamination for flooding	K
121	Water	Watercraft types and applications for rescue	K
122	Water	River Swimming (defensive and aggressive)	S
124	Water	Use of water rescue throw-bags (receive and throw)	S
125	Water	Shallow water crossing methods	S
126	Water	Entrapment drills and cinch techniques (shore based)	S
127	Water	Shore based vehicle-in-water stabilisation	S
131	Boat	Boat on tether (2 point)	S
132	Boat	Boat on tether (4 point)	O
138	Water	Inflatable fire hoses	K
147	Water	Culvert and storm drain hazards and rescue	K
149	Water	River and flood search strategies	K
154	Water	Reach based rescue (improvised or proprietary reach system)	K
158	Recovery	Water Body Recovery: Determining mode (Rescue vs. Recovery)	K
345	Water	Throw bag hand tensioned pendulum line	K

*** Key Explanation**

K Knowledge/Theory

S Skills/Practical

O Optional: If required by agency

Swiftwater Rescue 2

Pre-requisite Qualification:
Swiftwater 1

Swiftwater Technician

106	General	Basic safety around aircraft	K
113	Rope	Simple mechanical advantage rigging	S
123	Water	In-water spinal rolls	S
128	Water	Tensioned diagonal/Zip line evacuation (self)	S
129	Water	Tensioned diagonal/Zip line attended (with casualty)	S
130	Water	Strainer wrap and negotiation	S
132	Boat	Boat on tether (4 point)	S
133	Water	Combat and towed swim	S
134	Water	Throw bagged rescue swimmer	S
135	Water	Live bait (tethered) swimmer rescue	S
136	Water	V lower rescue swimmer	S
137	Water	Capture device (Snag Plate) applications	K
139	Water	Boat on basic highline	S
141	Boat	Knowledge of boat unwrapping/un-pinning	K
143	Water	Knowledge of canals and aqueduct rescue hazards and rescue	K
145	Water	Knowledge of Low head dam rescue hazards and techniques	K
148	Water	Rescue PFD quick release	S
150	Water	Carry out river and flood rescue search	S
151	Water	Vehicle in water: wading access rescue	S
155	Water	Full face snorkel operation	K
156	Water	Diving mask and snorkel operation	K
174	General	Rescue communications (radios)	K
176	Water	Boat based parbuckling	S
177	Water	Rescues from ice, mud and other unstable surfaces	K
178	Water	Rescues from canal locks and sluices	K
179	Boat	Power boat types	K
212	Boat	Basic paddle boat handling Class I-II	S
213	Water	Knowledge of Line (rope) crossing methods	K
220	Rope	Independent belay/safety systems for rescue loads	S
225	Water	Vehicle behaviour in static and flowing water	K
344	Water	Using additional line to deflect zip lines	K
385	Water	Curtain capture on tensioned diagonal	S

Swiftwater Rescue 3A

Pre-requisite Qualification:
Swiftwater 2

Swiftwater Advanced

140	Water	Boat on reeving highline	S
142	Boat	Carry out unwrapping or un-pinning of boats	S
144	Water	Canal and aqueduct rescue methods	S
146	Water	Perform technical rescues at low head dams	S
152	Water	Hiking pack float	K
153	Water	Wader float/safety drill	K
157	Water	River fins operation in high flow situations	S
159	Recovery	Water Body Recovery: Local legal authority and roles	K
160	Recovery	Water Body Recovery: Disaster victim identification	K
161	Recovery	Water Body Recovery: Recovery management/ICS	K
162	Recovery	Water Body Recovery: Decomposition factors and forensic considerations	K
163	Recovery	Water Body Recovery: Infectious disease control and personal safety	K
164	Recovery	Water Body Recovery: Psychological considerations	K
165	Recovery	Water Body Recovery: Management of family and media	K
166	Recovery	Water Body Recovery: Recording and presenting evidence for law enforcement	K
167	Recovery	Water Body Recovery: Body recovery equipment and techniques	K
168	Recovery	Water Body Recovery: Recovery methods from highline	K
169	Recovery	Water Body Recovery: Recovery methods using advanced throw bag techniques	K
170	Recovery	Water Body Recovery: Recovery methods from boat or board	K
171	Recovery	Water Body Recovery: Specialist Equipment (Mr. Flexi, Captain Hook)	K
172	Boat	Basic paddle boat handling Class III	S
173	Water	Advanced swimming Class III	S
175	Rope	Rescue communications (whistles and hand signals) on rope	S
211	Boat	Inflatable boat repair (PVC/Hypalon patching)	K
214	Water	Perform line (rope) crossing methods	S
219	Water	River board or floating adjunct operation	K
221	Water	Knowledge of SCUBA operations and limitations	K
222	Water	In water victim release/escape tactics	S
223	Water	In water victim towed swim using adjunct	S
224	Water	Below surface drowned victim recovery (non-SCUBA)	S
226	Water	Vehicle sinking behaviour	K
227	Water	Vehicle anatomy for rescue	K
228	Water	Hazards of vehicles in water	K
229	Water	Rescue tactics for vehicles in water	K
230	Water	Anchoring of vehicles in water	K
231	Water	Glass management during vehicle extrication/rescue	K
232	Water	Vehicle in water size up	K
233	Water	Safety considerations for working around vehicles in water	K
234	Water	Contact rescues of victims from vehicle in water	S
235	Water	Night Rescue Exercise - Water	S
310	Water	Fitting and operation of hybrid rescue swimmer vests	K
316	Rope	Improvised harnesses	S
317	General	Lockout/Tag Out Systems (including for elevated structures)	K
346	Water	Throw bag hand tensioned pendulum line	S
386	Water	Cargo net on tensioned diagonal	S

Swiftwater Rescue 3B

Pre-requisite Qualification:
Swiftwater 2

Swiftwater Rescue Boat Operator

172	Boat	Basic paddle boat handling Class III	S
173	Water	Advanced swimming Class III	S
180	Boat	Power boat pre-launch checks	S
181	Boat	Power boat engine fault finding/solving	S
182	Boat	Power boat flood hydrology considerations	K
183	Boat	Power boat launching and trailering	S
184	Boat	Power boat trip planning	K
185	Boat	Power boat maritime rules and river laws/by-laws	K
186	Boat	Power boat marine radio operation and distress procedure	K
187	Boat	Power boat engine start up procedure	S
188	Boat	Power boat basic low speed manoeuvring	S
189	Boat	Power boat advanced high speed manoeuvring	S
190	Boat	Power boat weight and balance/team coordination/calls	S
191	Boat	Power boat holding station	S
192	Boat	Power boat J turns	S
193	Boat	Power boat eddy glide	S
194	Boat	Power boat man over board drill	S
195	Boat	Power boat rescue swimmer drop off and pick up	S
196	Boat	Power boat casualty pick up/tiller/engine procedures	S
197	Boat	Power boat towing another craft	S
198	Boat	Power boat pacing with another craft	S
199	Boat	Power boat flips and righting	S
200	Boat	Power boat search patterns	S
201	Boat	Power boat night operations	S
202	Boat	Power boat ladder access	S
203	Boat	Power boat vehicle access	S
204	Boat	Power boat fast landing	S
205	Boat	Power boat mid-stream object touch	S
206	Boat	Power boat emergency procedures (fire, flip, loss of engine)	K
207	Boat	Power boat recommissioning after use	S
208	Boat	Power boat handling Class 1	S
209	Boat	Power boat handling Class 2	S
210	Boat	Power boat handling Class 3	S
211	Boat	Inflatable boat repair (PVC/Hypalon patching)	K
341	Boat	Power boat handling Class 0/Flat water	S
342	Boat	Power boat handling - docking approach and departure	S
343	Boat	Power boat - boat assembly and motor mounting	S

Rope Rescue 1

Rope Rescue Responder

100	General	Introduction to ITRA	K
101	General	Introduction to local incident command system	K
102	General	Introduction to local rescue and safety laws	K
103	General	Introduction to local response frameworks and protocols	K
107	General	Basic command tactics and zoning for technical rescue	K
108	General	Knowledge of managing night/poor visibility operations for technical rescue	K
110	Rope	Basic knots for rescue	S
111	Rope	Basic equipment for rope rescue	K
112	Rope	Single point anchoring for rope rescue	S
113	Rope	Simple mechanical advantage rigging	S
174	General	Rescue communications (radios)	K
175	Rope	Rescue communications (whistles and hand signals) on rope	K
220	Rope	Independent belay/safety systems for rescue loads	S
254	Rope	Rope rescue hazard identification and management	K
255	General	Introducing Standard Operating Procedures or Best Practice Guidelines	K
256	General	Technical equipment inventories and maintenance procedures	K
257	Rope	Safety systems and protocols for rope rescue (safety officer, checking options)	S
258	Rope	Protection of rope systems (edge protection, hazard avoidance)	S
259	Rope	Selection and construction of single point anchors	S
260	Rope	Selection and construction of multi point anchors	S
261	Rope	Edge lines and/or work positioning systems	S
262	Rope	Personal ascending	S
263	Rope	Personal descending	S
264	Rope	On-rope self rescue	S
265	Rope	Select and construct lowering system - low angle	S
266	Rope	Select and construct raising system (mechanical advantage) - low angle	S
269	Rope	Patient packaging into litter/stretchers	S
270	Rope	Preparing litter/stretchers for low angle evacuation	S
272	Rope	Change over on-rope descend to ascend	S
273	Rope	Change over on-rope ascend to descend	S
284	Rope	Litter attendant rigging and operation - low angle	S
294	Rope	Rope rescue medical considerations (suspension trauma, vertigo etc)	K

Rope Rescue 2

Pre-requisite Qualification:
Rope Rescue 1

Rope Rescue Technician

106	General	Basic safety around aircraft	K
267	Rope	Select and construct lowering system - high angle	S
268	Rope	Select and construct raising system (mechanical advantage) - high angle	S
271	Rope	Preparing litter/stretchers for high angle evacuation	S
274	Rope	Knot pass on-rope ascend	S
275	Rope	Knot pass on-rope descend	S
276	Rope	Knot pass on belay	S
277	Rope	Knot pass on hauling system/mechanical advantage	S
278	Rope	Knot pass on lowering system	S
281	Rope	Select and erect artificial high directional	S
282	Rope	Horizontal highline without reeve	S
285	Rope	Litter attendant rigging and operation - high angle	S
286	Rope	System change over - lower to raise	S
287	Rope	System change over - raise to lower	S
289	Rope	Rope rescue physics - vector forces, fall factors, slope loading, T method	K
290	Rope	Rope rescue - system analysis (whiteboard analysis, critical point, safety factors)	K
291	Rope	Pick off rescue - unsuspended/unsecured victim (i.e. from ledge)	S
300	Rope	Negotiating litter over edge	S
311	Rope	Vehicle anchors	S
312	Rope	Picket/ground plate anchors	S
313	Rope	Knowledge of deadman anchors	K
315	Rope	Load Releasing Hitches (mariners, radium etc)	S
316	Rope	Improvised harnesses	S
317	General	Lockout/Tag Out Systems (including for elevated structures)	K
338	Rope	Compound and complex mechanical advantage systems	S

Rope Rescue 3

Pre-requisite Qualification:
Rope Rescue 2

Rope Rescue Advanced

109	General	Performing technical rescue activities at night/in poor visibility conditions	S
279	Rope	Tower climbing technique	S
280	Rope	Tree climbing technique	S
283	Rope	Horizontal highline with reeve	S
288	Rope	Advanced knowledge of technical rope equipment	K
292	Rope	Pick off rescue - suspended victim (including, from fall arrest or ascenders)	S
293	Rope	Mid-face litter scoop	S
295	Rope	Retrievable rappel	S
296	Rope	On-rope self belay	S
297	Rope	On-rope bottom belay	S
298	Rope	On-rope back up device	S
299	Rope	Releasable/Contingency Anchors	S
301	Rope	Rigging Deviation	S
304	Rope	Vertical fall arrest systems	S
305	Rope	On-rope: Line transfer	S
308	Rope	Applications and operation of micro-haul systems (Jiggers, Aztek etc)	S
309	Rope	Night Rescue Exercise - Rope	S
314	Rope	Establish dead-man anchor	S
339	Rope	Guiding Line off-set (lower)	S
369	Rope	Complex knots	S

Confined Space 1

Confined Space Responder

100	General	Introduction to ITRA	K
101	General	Introduction to local incident command system	K
102	General	Introduction to local rescue and safety laws	K
103	General	Introduction to local response frameworks and protocols	K
107	General	Basic command tactics and zoning for technical rescue	K
108	General	Knowledge of managing night/poor visibility operations for technical rescue	K
110	Rope	Basic knots for rescue	S
174	General	Rescue communications (radios)	K
175	Rope	Rescue communications (whistles and hand signals) on rope	S
255	General	Introducing Standard Operating Procedures or Best Practice Guidelines	K
256	General	Technical equipment inventories and maintenance procedures	K
257	Rope	Safety systems and protocols for rope rescue (safety officer, checking options)	S
261	Rope	Edge lines and/or work positioning systems	S
317	General	Lockout/Tag Out Systems (including for elevated structures)	K
355	Structural	Emergency isolation of utilities (electricity, water, gas etc)	K
399	Confined Space	Identification, types and definition of confined space	K
400	Confined Space	knowledge of confined space hazards	K
401	Confined Space	Characteristics and stratification of gases common to confined spaces	K
402	Confined Space	Local laws, regulations, code and standards for working in confined spaces	K
403	Confined Space	Hazard management of confined spaces	K
404	Confined Space	Confined space entry protocols	K
405	Confined Space	Confined space rescue team roles and procedures	K
406	Confined Space	Basic artificial directional for confined space (set up and configurations)	S
407	Confined Space	Communication systems for confined space	K
408	Confined Space	Atmospheric zoning	K
409	Confined Space	Intrinsically safe equipment and certifications	K
416	Confined Space	Non-Entry Retrieval Techniques (including pole based rescues)	S
421	Confined Space	Gas detector types, applications and limitations	K
422	Confined Space	Operation of gas detectors including fresh air calibration, bump testing and common settings	S
424	Confined Space	Medical considerations and toxicology for confined space operations	K
429	Confined Space	Rescue command tactics and size up for confined space incidents	K
430	Confined Space	Casualty profiles, survivability and determining the mode (rescue vs. recovery)	K
431	Confined Space	Protective equipment options for casualties	K
432	Confined Space	Fire mitigation, detection, suppression and response	K
433	Confined Space	Confined space rescuer protective equipment selection, donning and doffing.	S
435	Confined Space	Confined space rescuer personal health and hygiene practices	K
441	Confined Space	Mechanical winch operation	S
442	Confined Space	Types, selection and limitations of respiratory protective equipment	K
464	Confined Space	Complete and review documentation for confined space entry	S

Confined Space 2

Pre-requisite Qualification:

Confined Space 1

Confined Space Technician

109	General	Performing technical rescue activities at night/in poor visibility conditions	S
112	Rope	Single point anchoring for rope rescue	S
113	Rope	Simple mechanical advantage rigging	S
220	Rope	Independent belay/safety systems for rescue loads	S
254	Rope	Rope rescue hazard identification and management	K
258	Rope	Protection of rope systems (edge protection, hazard avoidance)	S
260	Rope	Selection and construction of multi point anchors	S
261	Rope	Edge lines and/or work positioning systems	S
281	Rope	Select and erect artificial high directional	S
289	Rope	Rope rescue physics - vector forces, fall factors, slope loading, T method	K
304	Rope	Vertical fall arrest systems	S
316	Rope	Improvised harnesses	S
410	Confined Space	Spark limiting tools	K
411	Confined Space	Basic half and full face filter respirators	S
413	Confined Space	Self Contained Breathing Apparatus	S
417	Confined Space	Rescue entry techniques	S
420	Confined Space	Gas detection common terms (TWA, LEL, UEL, STEL FP, VP etc) and data interpretation	K
423	Confined Space	Ventilation and exhaust systems	S
425	Confined Space	Confined space stretchers (ie Sked, LSP Half Back etc) and patient packaging	S
427	Confined Space	Case study analysis of confined space fatalities	K
428	Confined Space	Community pre-planning for technical confined space rescues	K
434	Confined Space	Decontamination considerations for confined space rescue	K
436	Confined Space	Knowledge of free flowing solid engulfment rescue techniques	K

Confined Space 3

Pre-requisite Qualification:

Confined Space 2

Confined Space Advanced

262	Rope	Personal ascending	S
263	Rope	Personal descending	S
267	Rope	Select and construct lowering system - high angle	S
268	Rope	Select and construct raising system (mechanical advantage) - high angle	S
269	Rope	Patient packaging into litter/stretchers	S
271	Rope	Preparing litter/stretchers for high angle evacuation	S
276	Rope	Knot pass on belay	S
277	Rope	Knot pass on hauling system/mechanical advantage	S
278	Rope	Knot pass on lowering system	S
285	Rope	Litter attendant rigging and operation - high angle	S
286	Rope	System change over - lower to raise	S
287	Rope	System change over - raise to lower	S
290	Rope	Rope rescue - system analysis (whiteboard analysis, critical point, safety factors)	K
292	Rope	Pick off rescue - suspended victim (including, from fall arrest or ascenders)	S
334	Structural	Structural collapse patterns and void spaces	K
338	Rope	Compound and complex mechanical advantage systems	S
339	Rope	Guiding Line off-set (lower)	S
368	Rope	Advanced artificial high directional	S
369	Rope	Complex knots (double loop/industrial 8, figure 8, inline 8, klemheist).	S
412	Confined Space	Operate powered air respirators	S
414	Confined Space	Operate Supplied airline breathing apparatus (SABA)	S
415	Confined Space	Operate Escape sets (i.e. ELSA)	S
418	Confined Space	Limited visibility guiding (escape hand) line operation	S
437	Confined Space	Carry out free flowing solid engulfment rescue techniques	S
438	Confined Space	Operation of other gas detection equipment: Photo Ionization Detectors (PID)	S
439	Confined Space	Operation of other gas detection equipment: Infra Red	S
440	Confined Space	Operation of other gas detection equipment: Gas Detection Tubes	S

Companion Animal Rescue 1

Companion Animal Rescue Responder

100	General	Introduction to ITRA	K
101	General	Introduction to local incident command system	K
102	General	Introduction to local rescue and safety laws	K
103	General	Introduction to local response frameworks and protocols	K
104	Animal	Management of animals during emergencies	K
105	Water	Rescue communications (whistles and hand signals) on river	S
107	General	Basic command tactics and zoning for technical rescue	K
108	General	Knowledge of managing night/poor visibility operations for technical rescue	K
114	Water	Introduction to river and flood hydrology	K
116	Water	Swiftwater and flood hazard management	K
117	Water	Medical considerations for swiftwater and flood	K
118	Water	Vehicle drowning prevention and escape methods	K
119	Water	Basic equipment for water rescue	K
120	Water	Contamination and decontamination for flooding	K
122	Water	River Swimming (defensive and aggressive)	S
124	Water	Use of water rescue throw-bags (receive and throw)	S
125	Water	Shallow water crossing methods	S
126	Water	Entrapment drills and cinch techniques (shore based)	S
147	Water	Culvert and storm drain hazards and rescue	K
151	Water	Vehicle in water: wading access rescue	S
154	Water	Reach based rescue (improvised or proprietary reach system)	K
177	Water	Rescues from ice, mud and other unstable surfaces	K
239	Animal	Large animal behavior and body language	K
318	General	Basic ladder operation	S
319	Animal	Small animal body language	K
320	Animal	Small animal handling and restraint	S
321	Animal	Operate specialised small animal restraint equipment (catch pole, muzzle etc)	S
322	Animal	Basics animal first aid	S
323	Animal	Knowledge of field euthanasia of animals	K
324	Animal	Knowledge of chemical capture	K
327	Animal	Animal containment systems and ancillary equipment	K
328	Animal	Decontamination of animals	K
329	Structural	USAR scene management/initial actions	K
330	Structural	USAR response system and team typing	K
331	Structural	USAR phases of rescue (REPEAT)	K
332	Structural	USAR hazard identification and management, including PPE	K
333	Structural	Building construction methods	K
334	Structural	Structural collapse patterns and void spaces	K
335	Structural	Surface search and rescue procedures and techniques (line and hail; circle and hail)	S
336	Structural	Search/victim marking systems: FEMA	K
337	Structural	Search/victim marking systems: INSARAG/UN	K
340	Boat	Basic paddle boat handling Class 0/Flat Water	S
347	Structural	Stretcher passing over rubble	S

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Companion Animal Rescue 1

Companion Animal Rescue Responder

Continued...

350	Structural	Building search methods	K
355	Structural	Emergency isolation of utilities (electricity, water, gas etc)	K
356	Structural	Identification of hazardous materials incidents (including use of Emergency Response Guides)	K
361	Structural	Knowledge of national, regional and international teams and support mechanisms	K
399	Confined Space	Identification, types and definition of confined space	K
400	Confined Space	knowledge of confined space hazards	K
455	Animal	Operate handheld microchip scanner to detect companion animal implant	S
456	Animal	Understand local zoonosis risks during emergencies	K
457	Structural	Understand search marking systems and low damage marking options	K
461	General	Demonstrate knowledge of protection of personal safety at vegetation fires	K
463	Animal	Demonstrate knowledge of ITRA animal search and rescue marking system	K

Companion Animal Rescue 2

Pre-requisite Qualification:

Companion Animal Rescue 1

Companion Animal Rescue Technician

106	General	Basic safety around aircraft	K
109	General	Performing technical rescue activities at night/in poor visibility conditions	S
110	Rope	Basic knots for rescue	S
111	Rope	Basic equipment for rope rescue	K
112	Rope	Single point anchoring for rope rescue	S
113	Rope	Simple mechanical advantage rigging	S
115	Water	Environmental care and biosecurity precautions	K
123	Water	In-water spinal rolls	S
127	Water	Shore based vehicle-in-water stabilisation	S
128	Water	Tensioned diagonal/Zip line evacuation (self)	S
129	Water	Tensioned diagonal/Zip line rescue (attended victim)	S
130	Water	Strainer wrap and negotiation	S
131	Boat	Boat on tether (2 point)	S
132	Boat	Boat on tether (4 point)	S
134	Water	Throw bagged rescue swimmer	S
148	Water	Rescue PFD quick release	S
153	Water	Wader float/safety drill	S
174	General	Rescue communications (radios)	S
175	Rope	Rescue communications (whistles and hand signals) on rope	S
220	Rope	Independent belay/safety systems for rescue loads	S
254	Rope	Rope rescue hazard identification and management	K
255	General	Introducing Standard Operating Procedures or Best Practice Guidelines	K
256	General	Technical equipment inventories and maintenance procedures	K
257	Rope	Safety systems and protocols for rope rescue (safety officer, checking options)	K
258	Rope	Protection of rope systems (edge protection, hazard avoidance)	S
259	Rope	Selection and construction of single point anchors	S
261	Rope	Edge lines and/or work positioning systems	S
265	Rope	Select and construct lowering system - low angle	S
266	Rope	Select and construct raising system (mechanical advantage) - low angle	S
276	Rope	Knot pass on belay	S
277	Rope	Knot pass on hauling system/mechanical advantage	S
278	Rope	Knot pass on lowering system	S
280	Rope	Tree climbing technique	S
286	Rope	System change over - lower to raise	S
287	Rope	System change over - raise to lower	S
304	Rope	Vertical fall arrest systems	S
311	Rope	Vehicle anchors	S
312	Rope	Picket/ground plate anchors	S
313	Rope	Knowledge of deadman anchors	K
315	Rope	Load Releasing Hitches (mariners, radium etc)	S
316	Rope	Improvised harnesses	S
325	Animal	Rigging small animal for vertical evacuation	S
326	Animal	Attending small animal in the high angle environment (lower and raise)	S

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Companion Animal Rescue 2

Companion Animal Rescue Technician

Continued...

345	Water	Throw bag hand tensioned pendulum line	S
363	Structural	Operate hand tools to gain access into light structure collapse (cutting and breaking)	S
385	Water	Curtain capture on tensioned diagonal	S
386	Water	Cargo net on tensioned diagonal	S
453	Structural	Apply low damage forced entry techniques to gain access to a building during an emergency	S
462	Animal	Carry out decontamination of animals during an emergency or simulation	S
474	Animal	Demonstrate knowledge of personal safety around exotic animals	K

Companion Animal Rescue 3

Pre-requisite Qualification:

Companion Animal Rescue 2

Companion Animal Rescue Advanced

133	Water	Combat and towed swim	S
135	Water	Live bait (tethered) swimmer rescue	S
136	Water	V lower rescue swimmer	S
137	Water	Capture device (Snag Plate) applications	S
260	Rope	Selection and construction of multi point anchors	S
262	Rope	Personal ascending	S
263	Rope	Personal descending	S
264	Rope	On-rope self rescue	S
267	Rope	Select and construct lowering system - high angle	S
268	Rope	Select and construct raising system (mechanical advantage) - high angle	S
272	Rope	Change over on-rope descend to ascend	S
273	Rope	Change over on-rope ascend to descend	S
274	Rope	Knot pass on-rope ascend	S
275	Rope	Knot pass on-rope descend	S
281	Rope	Select and erect artificial high directional	S
282	Rope	Horizontal highline without reeve	S
283	Rope	Horizontal highline with reeve	S
288	Rope	Advanced knowledge of technical rope equipment	K
289	Rope	Rope rescue physics - vector forces, fall factors, slope loading, T method	K
290	Rope	Rope rescue - system analysis (whiteboard analysis, critical point, safety factors)	K
291	Rope	Pick off rescue - unsuspended/unsecured victim (i.e. from ledge)	S
294	Rope	Rope rescue medical considerations (suspension trauma, vertigo etc)	K
309	Rope	Night Rescue Exercise - Rope	S
314	Rope	Establish deadman anchor	S
338	Rope	Compound and complex mechanical advantage systems	S
362	Structural	Lifting using bars/levers, rollers, wedges and cribbing to access/stabilise light structures	S
368	Rope	Advanced artificial high directionals	S
369	Rope	Complex knots	S
454	General	Operate elevated work platform to gain access or carry out rescue	S
458	Animal	Participate in complex flood rescue exercise involving rescue of mock animals	S
459	Animal	Participate in a complex high angle rescue exercise involving rescue of animal animals	S
460	Animal	Participate in a complex structural collapse exercise involving rescue of animals	S