

ITRA

INTERNATIONAL TECHNICAL
RESCUE ASSOCIATION

Technical Rescue Qualifications

2020

Version 4
Addendum

Emergency Driving



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 QR cards are also available. We even activate for 12 months free, the QR code for all new students.

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 500 learning objectives, ITRA instructors can teach short or long courses to meet local needs including a cluster of learning objectives 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 learning objectives 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 learning objectives 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

Emergency Driving

Level 1A (On-Road Driver) General Service Vehicle [E1A]

Emergency response drivers at this level are able to operate a public safety vehicle appropriate to the driver license required for such vehicle, to safely and effectively respond to an emergency situation on sealed road environments under the use of warning devices (beacons and siren), and driven above normal road speed. This may be used for light to heavy vehicles. The achievement of ITRA E1B (Off-Road Driver) is not a pre-requisite. General service vehicles include light to heavy vehicles, excluding motorcycles.

Level 1B (Off-Road Driver) General Service Vehicle [E1B]

Emergency response drivers at this level are able to operate a four or six wheel drive public safety vehicle appropriate to the driver license required for such vehicle, to safely and effectively respond to an emergency situation in an off-road road environment. Vehicles must have selectable low and high ratios. All Wheel Drive (AWD) vehicles cannot be used for assessment. The achievement of ITRA E1A (On-Road Driver) is not a pre-requisite. General service vehicles include light to heavy vehicles, excluding motorcycles.

Level 1C (On-Road) Motorcycle [E1C]

Emergency response drivers at this level are able to operate a public safety motorcycle, to safely and effectively respond to an emergency situation on sealed road environments under the use of warning devices (beacons and siren), and driven above normal road speed. Motorcycles may including dual front wheels, but not traditional three or four wheel (quad bikes) motorcycles.

Emergency Driving 1A

Response Driver—General Service Vehicle (On-Road)

LO Ref	Subject	Learning Objective	K/S
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
118	Water	Knowledge of vehicle drowning prevention and escape methods	K
577	Driving	Demonstrate knowledge of local laws and rules pertaining to vehicle types, purposes and weights	K
578	Driving	Demonstrate knowledge of local laws and rules pertaining to emergency response driving	K
579	Driving	Demonstrate knowledge of emergency driving standard operating procedures and insurance requirements	K
580	Driving	Demonstrate knowledge emergency vehicle fault and collision reporting and procedures	K
581	Driving	Demonstrate knowledge of environmental driving hazards (ice, water, sand, mud, snow)	K
582	Driving	Demonstrate knowledge of safe driving practices and fatigue management	K
583	Driving	Demonstrate knowledge of human factors affecting emergency response driving	K
584	Driving	Demonstrate knowledge of vehicle dynamics including skid avoidance in emergency response driving	K
585	Driving	Demonstrate knowledge of vehicle safety features (Airbags, ABS, Seatbelts, stability control etc)	K
586	Driving	Demonstrate knowledge of hazards caused by PPE interference	K
587	Driving	Carry out pre-response vehicle systems check and documentation	S
588	Driving	Carry out pre-response vehicle inventory check , load distribution and documentation	S
589	Driving	Plan route and navigate to emergency location using GPS and manual maps	S
590	Driving	Apply defensive driving tactics and operate warning systems enroute to emergency as driver during the day	S
591	Driving	Apply defensive driving tactics and operate warning systems enroute to emergency as driver during the night	S
592	Driving	Arrive and position vehicle appropriately at emergency location	S
593	Driving	Perform refuelling vehicle for operational readiness	S
594	Driving	Carry out post-response vehicle checks, documentation and reporting	S
595	Driving	Operate vehicle radio system safely during response driving	O
596	Driving	Demonstrate knowledge of AWD system operation and limitations	O
597	Driving	Operate All Wheel Drive (AWD) in traction limited environments	O

Legend:

K = Knowledge/theory

S = Skill/ Practical

O = Optional Skill/Knowledge

Emergency Driving 1B

Response Driver General Service Vehicles (Off-Road)

LO Ref	Subject	Learning Objective	K/S
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
118	Water	Knowledge of vehicle drowning prevention and escape methods	K
577	Driving	Demonstrate knowledge of local laws and rules pertaining to vehicle types, purposes and weights	K
578	Driving	Demonstrate knowledge of local laws and rules pertaining to emergency response driving	K
579	Driving	Demonstrate knowledge of emergency driving standard operating procedures and insurance requirements	K
580	Driving	Demonstrate knowledge of emergency vehicle fault and collision reporting and procedures	K
581	Driving	Demonstrate knowledge of environmental driving hazards (ice, water, sand, mud, snow)	K
582	Driving	Demonstrate knowledge of safe driving practices and fatigue management	K
583	Driving	Demonstrate knowledge of human factors affecting emergency response driving	K
584	Driving	Demonstrate knowledge of vehicle dynamics including skid avoidance in emergency response driving	K
585	Driving	Demonstrate knowledge of vehicle safety features (Airbags, ABS, Seatbelts, stability control etc)	K
587	Driving	Carry out pre-response vehicle systems check and documentation	S
588	Driving	Carry out pre-response vehicle inventory check , load distribution and documentation	S
589	Driving	Plan route and navigate to emergency location using GPS and manual maps	S
592	Driving	Arrive and position vehicle appropriately at emergency location	S
593	Driving	Perform refuelling vehicle for operational readiness	S
594	Driving	Carry out post-response vehicle checks, documentation and reporting	S
595	Driving	Operate vehicle radio system safely during response driving	O
598	Driving	Demonstrate knowledge of 4WD or 6WD vehicle systems, characteristics and features	K
599	Driving	Demonstrate knowledge of 4WD or 6WD vehicle system limitations (clearances, wading depth, roll over pitch etc)	K
600	Driving	Carry out pre-drive vehicle check on 4WD/6WD motor vehicle, and start and shut down the vehicle	S
601	Driving	Drive a 4WD/6WD vehicle over an uneven surface in a controlled manner	S
602	Driving	Drive a 4WD/6WD vehicle across a side slope	S
603	Driving	Drive a 4WD/6WD vehicle safely both up and down a hill when traction conditions are moderate to good	S
604	Driving	Perform stopping a 4WD/6WD vehicle on a steep slope and pull away again when traction conditions are marginal	S
605	Driving	Perform stop, stall and reverse off a short steep slope in a 4WD/6WD vehicle	S
606	Driving	Develop a recovery plan and vehicle recovery is carried out for a 4WD/6WD vehicle	S
607	Driving	Perform transfer from sealed to unsealed road surfaces and stop a 4WD/6WD vehicle on unsealed roads	S
608	Driving	Vehicle chains are fitted correctly and tensioned to correct limits	O
609	Driving	Operate vehicle mounted winch systems for vehicle recovery	O
610	Driving	Demonstrate knowledge of considerations for operating vehicles at high altitudes and in extreme cold	O

Emergency Driving 1C

Response Driver—Motorcycle (On-Road)

LO Ref	Subject	Learning Objective	K/S
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
577	Driving	Demonstrate knowledge of local laws and rules pertaining to vehicle types, purposes and weights	K
578	Driving	Demonstrate knowledge of local laws and rules pertaining to emergency response driving	K
579	Driving	Demonstrate knowledge of emergency driving standard operating procedures and insurance requirements	K
580	Driving	Demonstrate knowledge emergency vehicle fault and collision reporting and procedures	K
581	Driving	Demonstrate knowledge of environmental driving hazards (ice, water, sand, mud, snow)	K
582	Driving	Demonstrate knowledge of safe driving practices and fatigue management	K
583	Driving	Demonstrate knowledge of human factors affecting emergency response driving	K
611	Driving	Demonstrate knowledge of motorcycle dynamics including skid avoidance in emergency response driving	K
612	Driving	Demonstrate knowledge of motorcycle safety features (ABS, stability control, traction control etc)	K
613	Driving	Demonstrate knowledge of hazards caused by PPE interference when operating a motorcycle	K
614	Driving	Carry out pre-response motorcycle systems check and documentation	S
615	Driving	Carry out pre-response motorcycle inventory check , load distribution and documentation	S
616	Driving	Don personal protective equipment for motorcycle emergency response	S
617	Driving	Apply defensive driving tactics and operate warning systems enroute to emergency as rider during the day	S
618	Driving	Apply defensive driving tactics and operate warning systems enroute to emergency as rider during the night	S
619	Driving	Arrive and position motorcycle appropriately at emergency location	S
620	Driving	Perform refuelling motorcycle for operational readiness	S
621	Driving	Raising a downed motorcycle	S
622	Driving	Carry out post-response motorcycle checks, documentation and reporting	S
623	Driving	Operate motorcycle radio system safely during response driving	O