

Rescue Organisation Ireland *Eagraíocht Tarrthála Éireann*



ROI National Road Traffic Collision & Trauma Challenge 2019

***Sligo Fire Station
Co Sligo,
Ireland***

Saturday 6th April, 2019



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APPENDIX 1: Documentation

“It’s not the winning – but the taking apart!!”
Learning through challenging training

1. Introduction

- 1.1 The objective of the Rescue Organisation Ireland *National Road Traffic Collision & Trauma Challenge* is to annually bring together teams of emergency rescue personnel to a single venue where they can be challenged to demonstrate their skills in realistic rescue scenarios, in a quality-controlled training & learning environment.
- 1.2 Emergency service teams from around Ireland, together with visiting teams from other International Rescue Organisations, will gather at a single venue (Sligo Fire Station, County Sligo, Ireland) for this one-day event. The Challenge will consist of,
 - a) **The EXTRICATION challenge - all participating teams use their professional skill and ability in the extrication of a trapped casualty, or casualties, from a severely damaged vehicle or vehicles;**
 - b) **The TRAUMA challenge - all participating teams use their professional skill and ability to assess and treat of a person, or persons, suffering from severe trauma.**
- 1.3 What the participating emergency service personnel observe and learn during this challenge will go back with them to their own Services where some person may directly benefit from this new-found knowledge. Thus, knowledge and practices learnt can cascade across the Services.
- 1.4 The emphasis in the *National Extrication & Trauma Challenge* is on developing and promoting Best Safe Practice and Safe Systems of Work. The real challenge is not primarily to win, but to safely and effectively use what is learnt at these events in incidents that we attend.
- 1.5 Even though the 'Challenge' is presented as a competition, it is far more than that. It is a learning platform, matching talents and skills through structured assessment. Encouraging participants to make hard and critical examination of themselves and their own rescue practices, their techniques and their knowledge of the tools they have available to them. It should always be a rescue practitioner's aim to study the current philosophies of approach to whatever the incident, search out new developments and innovate with new ideas.
- 1.6 Although one team will be adjudged the best team overall in each event, and the performance of team members and individuals will be recognised, in truth the real winners must be the future victims of Road Traffic Collisions and trauma injury incidents.

2. Mission Statement

- 2.1 To help emergency rescue personnel to come together to stimulate and develop proficiency levels in the areas of RTC and Trauma rescue, through the established systems of Incident Control, Safety, Extrication, Pre-Hospital Emergency Care, and proficient use of equipment.

3. The Challenge Event Objectives

- 3.1 To provide a forum whereby firefighters, medics and rescuers of all disciplines meet and share knowledge; develop proficiencies; improve skills; stimulate ingenuity; promote safe working systems - culminating in higher levels of safety, efficiency, and professionalism.
- 3.2 To facilitate and develop a practical educational platform for firefighters, medics and rescuers of all disciplines faced with the extreme demands of traumatic rescue incidents.

4. The Benchmarks

- Develop a Safety-First attitude and approach amongst all rescuers.
- Emphasise patient/casualty, rescue personnel and scene safety.
- Encourage higher and more proficient levels of pre-hospital emergency care.
- Develop a broad spectrum of extrication principles and techniques.
- Develop and promote the systematic approach to incident command.
- Stimulate ingenuity in terms of skill, practices, and equipment to advance the best safety-first concept and enhance technical competence.
- Through co-operation, develop and promote an agreed code of best practice.

5. The Challenge

5.1 The Rescue Organisation Ireland **Extrication Challenge** is primarily open to the participation of all Irish Fire & Rescue Services and is also open to attendance by a limited number of international Fire & Rescue Service teams. The **Trauma Challenge** is open to these and also to the participation of other providers of Pre-Hospital Emergency Care who provide care to their communities in a voluntary or paid capacity and who wish to take part.

All applications must be submitted to the Secretary of the ROI using the application forms in Appendix 1 of this document.

5.2 The **EXTRICATION** Challenge will consist of

- 1) a '**Complex**' evolution
- 2) a '**Rapid**' evolution

- Each evolution will incorporate at least one of the following scenarios
 - A single vehicle on its wheels
 - A single vehicle on its side
 - A single vehicle on its roof
- There may be other vehicles or staging props in the vicinity to act as obstacles.
- Teams may use any of the tools listed in section 8 of this document.
- A live casualty/casualties will be used in each scenario.

5.2.1 For the 'Complex' evolution teams will be allowed a maximum of **30 minutes**.
For the 'Rapid' evolution teams will be allowed a maximum of **10 minutes**.

5.2.2 Each team will be assessed by a panel of assessors using the WRO approved common criteria & marking scheme.

The following specific areas will be assessed:

Incident Command and Control	(IC Assessor)
Physical Rescue and tool operation	(Technical Assessor)
Pre-Hospital emergency care	(Medic Assessor)

5.3 The **TRAUMA** Challenge will consist of

- 1) a '**Standard**' evolution
- 2) a '**Complex**' evolution

Each evolution will consist of a team of two personnel dealing with a simulation of a trauma incident using live casualties. There will be one casualty for the 'Standard' evolution and two casualties for the 'Complex' evolution.

- 5.3.1 For each trauma simulation teams will be allowed a maximum of **10 minutes – 9 minutes for assessment, treatment, and packaging and 1 minute for patient handover.**
- 5.3.2 Each team will be assessed by a panel of two assessors using the WRO approved common criteria & marking scheme.

5.4 Rescue Organisation Ireland, along with the other partner members of the World Rescue Organisation, are one of the few organisations to use live casualties in extrication & trauma challenges. These are all medically trained personnel who will have an input into the medical rescue assessment.

5.5 Each team will be afforded a 'hot' debrief immediately following their scenario run off, with a written critique (post Challenge) on request.
The Debrief enables the assessors to provide feedback to the team on the main aspects of the scenario.

With regard to the marking of teams, it must be noted that the assessors' decision is final and all participants are asked to respect that decision.

6. The Rules

6.1 No team may participate without the written authorisation of the Chief Officer or Chief Executive/Head of their organisation.

6.1.1 Each **extrication** team should consist of 6 members including the team leader and may include a paramedic or advanced paramedic.

6.1.2 Each **trauma** team will consist of 2 members including the team leader and may include a paramedic or advanced paramedic.

6.2 Only approved Emergency Service issue PPE shall be worn by all team members including the medic. In the event of a paramedic or advanced paramedic acting as team medic, he/she must also wear full protective clothing with no exposed skin on arms or neck, suitable eye protection and a suitable helmet with face shield.

6.3 Each extrication team will be assessed in 3 primary areas - Incident command & control; physical rescue & tool operation; Pre-hospital emergency care of patient/casualty. The urgency in which the whole evolution was undertaken will also be considered as part of the assessment.

6.4 There will be a time limit on the Complex evolution of thirty minutes.

6.5 There will be a time limit on the Rapid evolution of ten minutes

6.6 There will be a time limit on the Trauma evolution of ten minutes

6.7 Live casualties will be used in the Challenge, within the vehicle, and marks will be awarded on 'Casualty Handling'. There will also be a radio fitted to the inside of the vehicle or attached to the casualty which enables the assessor to listen to the medic and casualty interaction.

6.8 Patient assessment and packaging will be evaluated using established Pre-Hospital Emergency Care Guidelines using the C-ABC and S protocols, with care and safety being of prime importance.

C= Catastrophic Haemorrhage A=Airway Management, B=Breathing & Resuscitation, C=Circulation, S=Spinal Care.

- 6.9 Each extrication pit area will have allocated to it three/four assessors, who will be under the direction of the RTC Head Assessor. All scoring information will remain the property of the Organisation and shall remain confidential. (A shadow assessor may also be present).
- 6.10 Each trauma pit area will have allocated to it two assessors, who will be under the direction of the Trauma Head Assessor. All scoring information will remain the property of the Organisation and shall remain confidential. (A shadow assessor may also be present).
- 6.11 A Head Assessor will be appointed to coordinate the Assessors and resolve any disputes. The team leader of any team that has a grievance or dispute must report it in writing to the Head Assessor within one hour of completing the scenario concerned on the day. The decision of the Head Assessor concerning any assessment or conduct will be final.
- 6.12 A Safety Officer will supervise each evolution with the authority to halt any action deemed to be in breach of safe working practice (typically the IC Assessor). Such a breach shall not on the first occasion incur time penalties, however subsequent breaches may incur them. Continuous safety issues being addressed may result in a team being stopped from competing further in that scenario

Note: Where there are safety issues which continuously need to be addressed, this may result in a team being stopped from competing any further in that scenario.

- 6.13 All participants must keep safety in mind at all times and only approved head, eye, hand, and foot protection shall be worn. Respiratory protection in the form of dust masks shall also be worn at the appropriate times, e.g. cutting or removing glass, all cutting with reciprocating saw.
- 6.14 The organisers will provide the supply of a comprehensive selection of equipment, (see tool section). Teams may only bring a very limited selection of their own personal equipment with them, for example hand tools and oxygen therapy equipment. This may include any home-made equipment, but such equipment must first be approved safe by the organisers prior to any use in this event. The ROI Head Assessor/ Director of Operations will have the final say.

Note all competitors are responsible for providing their own full PPE, to include dust-masks, medical gloves, full face and eye protection.

- 6.15 Any home-made equipment to be used in conjunction with power rescue tools must carry a 'Notice of Certification' by an approved body or person.
- 6.16 Teams may lend equipment to other teams ensuring any safety features are fully understood by the recipient.
- 6.17 Teams must present themselves to the 'Registration' area as per run-off timetable i.e. 30 minutes prior to their designated run off time.

N.B. Failure to do so may result in elimination of the Team.

- 6.18 The organisers may substitute another team in the event of a team 'No Show'.
- 6.19 There will be a briefing of all participants and this will take place at the same venue prior to the start of the challenge.

N.B. while preferable that all team members should attend this briefing, it is mandatory that all the team leaders and medics attend.



- 6.20 The Organisers will not be responsible for any damage or loss of any equipment as a result of participating in this event.
- 6.21 Workers' Compensation, Insurance etc. for the protection of the team members shall be the sole responsibility of the participants in the event. The host organisation shall supply 3rd party liability insurance.

6.22 **Scenario Selection**

In the interests of overall transparency and fairness the process of each team's Scenario selection will be as follows:

All team Captain's must present themselves to registration first thing on the morning of the event. On a first come-first served basis, the team captain will select from two boxes [1 RTC rapid and 1 RTC Complex] or [1 Trauma Complex and 1 Trauma standard]. These scenarios will be numbered/lettered and will correspond with a list of scenarios held by the ROI Logistics Lead who will be responsible for event scenarios set up. These will form the team's scenarios for the event.

It is important that ALL team captains present themselves for this selection process, otherwise a random selection will be made on the team's behalf by the ROI Logistics Lead.

On conclusion of the National Challenge, after the presentation of awards, each team will receive its score sheet as well as a brief scenario overview reflecting the scenario the team participated in.

7. **Code of Conduct**

- 7.1 All participants are reminded that they are not only representatives of their own Brigade, Service or Organisation but also that they represent the Emergency Services as a whole and are to conduct themselves accordingly.
- 7.2 Full protective clothing shall be worn in the pit and service area, this may be relaxed during 'preparation and make up' at the discretion of the Head Assessor, if and when weather conditions demand.

8. Extrication and Trauma - Tools & Equipment List

The following equipment will be made standard stowage for each extrication pit for the Challenge. All teams must use this equipment as required - teams may not provide their own equipment, other than approved personal small gear, i.e. hand tools, medical collar etc.

EXTRICATION

Type of Equipment	Quantity
DP Extinguisher	2
Small Gear	
Halligan Tool	1
Ratchet Strap	2
Glass punch	1
Hand axe	1
GP Line	2
Tool Set	
Rubber mallet	1
Screw driver slotted / posidrive	3 each
Set of spanners / Adjustable spanner	1 each
Pliers	1
Reciprocating 36volt saw	1 + 2 Long/ 2 Short blades*
Windscreen saw	1
Socket set + torque drivers	1
Impact Driver	1
Duct tape	2
Seat belt cutter	1
Bolt Croppers	1
Airbags with regulator + cylinder	2
Stability Equipment	
Step blocks	10
Crib blocks	8
Wedges	15
Stability system	1 set
Protection Equipment	
Tear drop - hard protection	2
Soft protection sheet set	1 set
Salvage sheet / Screen sheet	1 each
Sharps covers	1 set
Extrication Medical Equipment	
Long spinal board	1
Medical collars	1
Resuscitator/ O2 therapy unit + O2 cylinder	1
Trauma bag	1
Blanket	1

* Or at discretion of
ROI Head Assessor

Hydraulic Rescue tools	2 x Complete sets of Weber/ Holmatro/ Lukas in total for Pits
Battery operated 'hydraulic' tools	1 x Complete Set of Weber/ Holmatro/ Lukas in total for Pits

TRAUMA

Type of Equipment	Quantity
TRAUMA BAG Containing: 1 x O2 Cylinder 1 x Pocket Mask 1 x Disposable BVM with O2 tubing 1 x Set Of OPA's (Simulated OPA in casualty kit) 1 x Portable Suction Unit (personal catheter in casualty kit) 2 x Shears 1 x Non-Rebreather Disposable Adult Mask (personal mask in casualty kit) 1 x Non-Rebreather Disposable Child Mask (personal mask in casualty kit) 4 x Disposable Non Sterile Gloves 6 x large trauma bandages 4 x conforming bandages 2 x burns dressing (small) 1 x Blood Pressure Cuff 1 x Stethoscope 1 x Occlusive dressing 1 x Pupil light 1 x Adhesive Tape 1 x Combat Tourniquet 1 x SPO2 Monitor 2 x Blankets	1
Additional Equipment in the Trauma Pits	
Spinal Board	2
Scoop	2
Pelvic Binders	2
Spider straps	2
Head blocks	2
Vacuum Mattress	1
AED	1

Note 1: All of the above equipment will be provided by the event organisers. **Teams should provide their own dust masks, latex gloves, safety glasses/goggles and ear defenders as appropriate.**

Note 2: **Battery operated heavy rescue tools** may be chosen for a scenario - subject to availability. However a team must stick with its choice of battery or hydraulic **only** for the scenario ie both types of tools may not be used on the same scenario.

Note 3: Teams may not use any additional trauma equipment to those items listed above. Teams may substitute trauma equipment items for their own equivalent items.

9. Health and Safety

9.1 A risk assessment will be conducted prior to each evolution to ensure the safety of both participants and spectators. Dynamic risk assessment will occur throughout the evolution, not only by the team involved but also by the assessors and safety officer. Any unsafe or potentially unsafe practice will be stopped immediately and put right.

- 9.2 All activity within the Challenge site, i.e. Pit area, Service area, Vehicle storage and disposal area, Team and Tool preparation area falls under the control of the Event Coordinator who will liaise with the event Head Assessor who is responsible for the overall Health & Safety in these areas.
- 9.3 No Team will be allowed to commence their evolution without direct approval of the Event Coordinator, subject in all cases, to the following:
- (i) All Team members are properly attired in their approved personal protective equipment.
 - (ii) All non-proprietary equipment is accompanied by the relevant documentation.
 - (iii) The Event Coordinator has 'cleared' the scenario.
- 9.4 Should, in the opinion of any event official or Assessor, a potential or existing danger, or an unsafe condition be seen to exist or caused to exist, then that official or Assessor must immediately halt the assessment. Any activity carried out after this, other than to ensure safety, may be penalised at the discretion of the Head Assessor.
- 9.5 Should any member of a team participating notice an existing or potential danger, or an unsafe condition, to exist or be caused to exist, they must call a halt to any activity by shouting '**FOR REAL**' or '**STILL**'. ALL members of the team will immediately stop their actions. This command indicates that a safety problem exists. Time will be stopped until the safety issue is rectified. Once addressed the Command Assessor will give the instruction for the team to continue and the clock will re-commence.

Any activity carried out after the calling of 'FOR REAL' or 'STILL', except to make safe, may be penalised at the discretion of the Head Assessor.

- 9.6 No team member will be permitted to commence moving, cutting or breaking any vehicle component without the casualty being suitably protected and other team members in direct proximity having their face visors in the down position.
- 9.7 Should any item of the casualty's personal protective equipment, be removed by a team member, for any reason, it must be replaced before work can recommence. Failure to do so may result in loss of points or possible disqualification.
- 9.8 No Hydraulic power units are to be started without the feed and return lines connected to a tool and the control valve shut.
- 9.9 Vehicle tyres can only be deflated by valve or valve stem removal. The slashing or puncturing of tyres is prohibited.

10. Assessing and Scoring

- 10.1 Each extrication team will be evaluated in the following areas by a panel of three assessors.
- (a) **Incident Command and Control.**
 - (b) **Physical Rescue and Tool Control.**
 - (c) **Pre- Hospital Emergency Care.**
- 10.2 Copies of all the assessment sheets in use will be provided to each accepted team prior to the event. Copies can also be sourced by visiting the ROI website: www.rescue-org-ireland.com
- 10.3 Points awarded per sub-section will be totalled and each sub-section added together to give an overall score for that particular criteria.

- 10.4 Total points awarded in each category will be calculated as a placing (i.e. highest points = 1) and all three total placings will be added together towards an overall award for that evolution (lowest placing total = 1st)
- 10.5 Each score sheet will be compared, in order to recognise the 'Best Individual' team member in each criteria. i.e. Command and Control, Technical Rescue, Pre-Hospital Emergency Care.
- 10.6 Each Team will be afforded a 'Hot Debrief' immediately following their performance, with a follow-up written critique 'post Challenge' on request.
- 10.7 The Assessors' decision is final and all participants are asked to respect that decision. Award sheets will be available to each Team Manager after the Awards Presentations.
- 10.8 In the event of a tie between teams, the **countback** process is as follows:
 - Teams tied – countback on IC's Score
 - Teams still tied – countback on Tech score
 - Teams still tied - countback on Medic's score
 - Teams still tied – teams overall score in Complex scenario
 - Teams still tied – teams overall score in Rapid scenario

In the unlikely event that teams still tied, the Head Assessor/Director of Operations will advise.

11. Awards

Rescue Organisation Ireland recognises the performances of the Team AND the individuals of every Team. The effort and dedication that has been put in by team members and supporters towards this Challenge over many weeks & months shows the value of just such an event as this. Official awards will be made to the top placing teams at the post event meal in **The Sligo Park Hotel** (see ROI website for more meal info)

Prizes will be presented in the following categories:

EXTRICATION

Best Overall Team
2nd Place Team
3rd Place Team

Best IC
Best Tech Team
Best Medic

Best Team in the Complex Scenario
Best Team in the Rapid Scenario

International RTC Team Award

ROI Award

The ROI Committee will select the recipient in recognition of an individual or team's contribution/ services to rescue training and the 'Challenge Concept'

TRAUMA

Best Overall Team
2nd Place Team
3rd Place Team

Best Team in the Complex Scenario
Best Team in the Standard Scenario

Best Voluntary Emergency Services Team

International Trauma Team Award

Note: The awards for Best Overall Teams, 1st, 2nd & 3rd can only be won by Rescue Organisation Ireland teams as these will then be eligible to go forward to represent ROI at the World Rescue Challenge, WRC 2019 which takes place in La Rochelle, France in September 2019.



12. Accommodation and Dinner

Rescue Organisation Ireland has arranged a limited accommodation in the **Sligo Park Hotel**

SLIGO PARK HOTEL & LEISURE CLUB
PEARSE ROAD, SLIGO (IRELAND)
F91Y762

T: +353 (0)71 919 0400
www.sligoparkhotel.com/

To avail of Challenge Event prices please quote “**Rescue Org Ireland**” when booking.

Further info and details of booking prices can be found on the ROI website

www.Rescue-Org-Ireland.com

The **Awards and Dinner** will also be held at the Sligo Park Hotel on Sat 6th April, the cost will be **€25 per head** for a 4 course set meal.

Please ensure to complete your ticket requirements in the registration forms.



APPENDIX 1 - Documentation

The following forms are enclosed:

- 1) **TEAM REGISTRATION**
- 2) **AUTHORISATION TO COMPETE**
- 3) **INSURANCE INDEMNITY**

These must be completed, signed and returned, together with the full entrance fee, to the ROI Secretary at the following address:

**Secretary,
Rescue Organisation Ireland National Challenge 2019
C/O Fire Station, Abbey Road,
Navan, Co Meath,
Ireland**

Or by email to SecretaryRescuOrgIrl@gmail.com

The entrance fee must be received **before** your team can be accepted as a participant in the ROI National Road Traffic Collision & Trauma Challenge 2019.

The fee may be paid by cheque, sent to the address above, or by bank transfer to

Acc. Name: Rescue Organisation Ireland
Bank Details: Allied Irish Bank,
72/74 The Quay, Waterford, Ireland
Acc. Number: 10602041
Sort Code: 93-42-75
IBAN: IE17AIBK934275 10602041
Swift Code: AIBKIE2D

NOTE: Payment is due by Fri 31st Jan, 2019

Any questions on Fee payment please email roitreasurer08@gmail.com



EXTRICATION TEAM REGISTRATION

Full Team Entry fee of **€600** must accompany the Team Registration by **31st Jan 2019**

Specify payment method: Purchase Order

Date:

ORGANISATION REPRESENTED	
LIAISON OFFICER	
CONTACT TELEPHONE	
CONTACT E-MAIL ADDRESS	
TEAM ADDRESS	
TEAM MEMBERS –	
PREFERRED HYDRAULIC EQUIPMENT <u>PLEASE SPECIFY</u>	

Awards & Dinner Tickets required:

€25per ticket	No. of tickets:
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To be completed by the Team Manager.

On behalf of the ----- Extrication/ Rescue Team
I confirm that we have read and understand the rules governing this Challenge and undertake to abide by the requirements set.

Name:	Signed:
Position	Date:
Organisation	



TRAUMA TEAM REGISTRATION

Full Team Entry fee of **€300** must accompany the Team Registration before **31st Jan 2019**

Specify payment method:

Date:

ORGANISATION REPRESENTED	
LIAISON OFFICER	
CONTACT TELEPHONE	
CONTACT E-MAIL ADDRESS	
TEAM ADDRESS	
TEAM MEMBERS –	
RESERVE	

Awards & Dinner Tickets required:

€25 per ticket	No. of tickets:
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To be completed by the Team Manager.

On behalf of the ----- Trauma Team
I confirm that we have read and understand the rules governing this Challenge and undertake to abide by the requirements set.

Name:	Signed:
Position	Date:
Organisation:	



AUTHORISATION TO COMPETE

I hereby confirm that the team from
 is duly authorised by their Chief Officer/Chief Executive, to participate in the ROI National Road
 Traffic Collision & Trauma Challenge 2019 and that for the purposes of insurance they are deemed as
 being on official duties whilst attending and taking part in this Rescue Challenge event.

Name:	Signed:
Position:	Date:
Organisation:	

INSURANCE INDEMNITY

I hereby confirm, that for the purposes of insurance, the team from:

 are considered as being on official duties while taking part and attending the ROI National Road
 Traffic Collision & Trauma Challenge 2018. This has been duly authorised by their Chief Officer/Chief
 Executive.

Name:	Signed:
Position:	Date:
Organisation:	