



Luxembourg Rescue Organisation A.S.B.L.

N° RCSL F7030

LUXEMBOURG NATIONAL TRAUMA & RESCUE CHALLENGE - GUIDELINES -

In order to respect the aim of the W.R.O. (World Rescue Organisation) and make the event happen with as much uniformity as possible across the various member organisations of the W.R.O., the National Trauma and Rescue Challenge in Luxembourg will take place in conformity with the “WRO Trauma Guidelines & the WRO Road Rescue Extrication Guidelines”.

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1. Criteria for Participation

- 1.1 Participants must be competent within the field of vehicle extrication or within the field of trauma and life support. They have to be members of an emergency service or formal emergency response team who provide vehicle extrication services or trauma and life support within the community.
- 1.2 The L.R.O. committee will base the decision for participation upon key criteria which may include, but not be limited to:
 - Where entry fees are submitted with application forms on a 'first come' basis.
 - The maximum number of teams the event can support
 - A balance between participating countries
 - Priority will be given to luxembourgish teams.

2. Teams

- 2.1 A team will consist of six (6) members for the Rescue Challenge
 - one member will be designated team captain,
 - one member will be designated team medic,
 - four other team members.

And of two (2) members for the Trauma Challenge

- one member will be designed team captain
- one member will be designed team member

- 2.2 All personnel will be allowed to participate in all classes. At the discretion of the Chief/Head Assessor, a team may substitute a team member in the case of an illness or injury.
- 2.3 If, during an evolution, a team member is injured and has to withdraw, the team, if able, may continue until they finish or 'Time' is called. In addition, in the case of the medical competency, it is expected that team medics will be competent in the administration of oxygen and as such approved by their own organisation to do so.

The continuation is subject to the judgement of the assessors, based on the grounds of safety who will consider the issues of low crewing and the likely tasks facing the crew.

- 2.4 Adequate workers compensation and/or injury insurance for the participating teams will be the responsibility of that team's service or agency.
- 2.5 Teams may use radio communications as long as they do not interfere with the host's radio frequencies and comply with local spectrum management agencies. It will be the team leader's responsibility to supply an assessor with an additional radio in order that communications can be monitored.
- 2.6 The team will need to discuss the issues and methods of achieving this with the Head Assessor who will ensure that any interpretation is accurate and reflects the performance of the team.

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- 2.7 All team members are to wear appropriate personal protective clothing and equipment that they would normally wear to a vehicle extrication incident or medical call. That clothing and equipment should be approved by their organisation and conform to the approved standards appropriate to their country.

As a minimum, suitable turn out gear, coveralls, safety boots, eye protection (in the form of safety glasses), and where appropriate ear and/or respiratory protection is required. Teams representing agencies that require their personnel to wear and use helmets with visors (for facial protection) will be expected to wear and use them during the challenge.

The use of equipment such as visors, respiratory protection etc. as recommended best practice for vehicle extrication is required. The wearing of a helmet, long sleeved vests and safety glasses that meet an approved safety standard is mandatory.

In keeping with occupational health and safety work practices, teams are expected to supply and use their own latex gloves, dust masks and other consumable personal protective equipment supplies.

If the protective clothing to be worn in the challenge is not the same as normally worn for operational turn outs by a team, then a letter confirming it is authorised for use may be required from the head of the Agency or Service at the pre-challenge team briefing.

- 2.8 No 'home-made' equipment is to be used.
- 2.9 Teams attending with their own equipment are responsible for its transport, storage, insurance and security. The host will not be held accountable for any losses due to theft, damage or fire in respect of said equipment.
- 2.10 Teams wishing to demonstrate an innovation in respect of procedure, technique or equipment should inform the Head Assessor at the team briefing in order that arrangements can be made for demonstration / familiarisation.
- 2.11 Team captains and the team medic are required to attend a team briefing which takes place on the first day of the challenge. The briefing will cover assessor criteria, administration requirements and allocation of running times.
- 2.12 The team should register with the organisers on arrival. Thereafter times associated with attending for each evolution, pit set up etc will be determined by the organising committee for each world challenge.

3. Insurance

- 3.1 Adequate insurance for third parties (or equivalent) and or Injury Insurance for the participating teams will be the responsibility of that team's Service, Agency or "Employing Organisation". A letter and/or insurance certificate confirming adequate coverage of the team will be required with payment of the entry fee



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4. Registration

- 4.1 Team application and registration for this challenge can only proceed on an official entry form, accompanied by the prescribed fee. As part of the process of registration, teams must confirm that all members of the team comply with the requirements of rules 1 and 2 of this challenge.
- 4.2 Registration of arrival will take place prior to the challenge. (See timetable for further information).
- 4.3 Teams that are unable to participate in the challenge must notify the organisers in writing of their decision to withdraw.

5. Injury

- 5.1 If, during the challenge, an accident or injury occurs to a team member, casualty, spectator or any person, which affects the running of the scenario, the injury will be advised to the Organisers and hosts as an authentic occurrence. The Chief/Head Assessor, Assessor or Safety Officer will immediately instigate competent medical attention to the situation via the local provider or crew on standby at the site. The delay or ceasing of that scenario will be at the discretion of the Assessors led by the Command Assessors in that pit.

The Challenge Coordinator is to be advised immediately.

6. Evolutions

- 6.1 The NTRC offers a range of classes, these may vary from year to year. All teams will participate in all evolutions over the period of the challenge.
- 6.2 All classes will have full access to all rescue and medical equipment normally carried on rescue vehicles / ambulances (subject to the host agency's capacity to supply) with the exception of exothermic and detonation devices or disc cutters.
- 6.3 Assessors collectively within each pit will take into consideration the degree of difficulty of each individual set up, prior to each team participating.
- 6.4 Evolutions will include vehicles on their wheels, side and roof with the potential use of prop vehicles/structures and single or multiple casualty/fatalities.
- 6.5 Live casualties will be used in each event.
- 6.6 The awards for the National Trauma and Rescue Challenge are :
Rescue Challenge : 3rd, 2nd and 1st Overall. In addition awards will be given for 'Best Team Leader', 'Best Team Medic' and 'Best Technical Team'.
Other awards may be added as appropriate.
Trauma Challenge : 3rd, 2nd and 1st place
- 6.7 National and international teams will be evaluated separately.

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- 6.8 Winners of each class will be determined by the highest aggregate score from the assessors in that discipline. These will be named during the closing ceremony.
- 6.9 Winners of each discipline (best team leader, technical team or medic, best trauma team for the rescue challenge) will be determined by the highest score from the assessors of the discipline.
- 6.10 Winners of the rescue challenge will be determined by the highest score from the assessors.
- 6.11 Winners of the trauma challenge will be determined by the highest score from the assessors.
- 6.12 Where scores are tied for a particular award including best overall team, a count back will be conducted as follows:
- For each assessor scores in that event or discipline, the scores allocated will be added and the highest total will be declared the winner.
 - If these are tied then the best Command total marks will dictate the winner. Should the situation still be tied then the process will be repeated with the medical marks followed by technical.
 - If every criterion is tied the award will be declared a dead heat and both teams will be awarded the same recognition.

7. Pit Access

- 7.1 The pit area will be off limits to all persons unless authorised by the Organisers. Authorised persons will be admitted entry only by pass or other approved means.

8. Equipment

- 8.1 A degree of flexibility in the availability of equipment has to be acknowledged due to the location of the event, sponsorship deals and availability. Therefore a definitive list of available items will be finalised prior to the challenge commencing.
- 8.2 The Hosts will arrange to provide for each pit a range of makes and models of rescue tools and standard set of hand tools which will ensure as much as possible of the equipment listed in the WRO equipment list.
- 8.3 Teams are expected to supply their own consumables (e.g. PPE, tapes, sprays, etc). Hosts may ensure to have sufficient stock to re-supply teams, but this should not be assumed by participating teams
- 8.4 Team equipment should satisfy the requirements detailed in paragraph 2.5, 2.7, 2.8 & 2.9. Additionally teams may carry a range of pocket tools, utility belts, medical packs etc into the pit with them.
- 8.5 All equipment should be operated in accordance with the manufacturer's instructions and applied with consideration of appropriate Health & Safety principles.



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9. Selection of Assessors

- 9.1 A Chief/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 Chief/Head Assessor within one hour of completing the scenario concerned on the day.
- 9.2 Assessors are selected from rescue organisations that are members of the World Rescue Organisation, through the 'National Assessor coordinator'.
- 9.3 The challenge requires three to four assessors per pit for the rescue challenge and two assessors per pit for the trauma challenge.
- 9.4 The Head Assessor will as a minimum standard satisfy the essential criteria.
- 9.5 Essential Criteria
- In order to maintain currency and credibility, persons nominated should be a member of an organisation whose primary function is emergency / rescue service based. This may be extended up to one year following an individual leaving or retiring from said organisation.
 - They should have a minimum of five years operational experience and be directly involved in vehicle extrication management and operation within the community.
 - They should hold a qualification in vehicle rescue training recognised by their rescue organisation.
 - They will have experience of assessing a rescue challenge, at national or world level on a minimum of two occasions within the last four years.
 - Desirable Criteria :
 - Experience of assessing national events
 - Experience of assessing various classes presented at those events
 - Experience as a training provider within the field of vehicle extrication
 - Experience of assessing events with the use of live casualties
 - Experience as a shadow assessor at a previous World Rescue Challenge.
- 9.6 During the event the Head Assessor will, where possible facilitate 'shadow' assessing. In the first instance shadow assessors will primarily be from the host country.
- 9.7 All appeals in respect of a technical performance and associated scoring will be heard by the Chief/Head Assessor who will, where required, investigate or discuss the issue with any involved assessors and whose deliberation is final. All allegations of unfair assessment will be investigated thoroughly from all perspectives by the Chief/Head Assessor who will present their findings to representatives of the LRO Executive Committee for their deliberation.



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10. Assessing the Event

- 10.1 The 'Head Assessor' will be responsible for all issues in respect of the assessment of teams, the conduct of assessors and any appeals brought forward by teams. All assessors will be fully briefed and monitored throughout the event to ensure a fair and consistent process is applied.
- 10.4 Each rescue challenge pit area will consist of three to four assessors, each trauma challenge pit will consist of two assessors. All assessors will be responsible to the Head Assessor and will assess over three functional areas: Command & Control, Physical Rescue and Pre Hospital Care.
- 10.6 All assessors will be correctly dressed with suitable personal protective equipment equal to or above that expected of teams.
- 10.7 During the evolution assessors will be vigilant in respect of their positioning within the pit area affording the appropriate space for the teams to operate. However it is recognised that the medical assessor may have to remain in close proximity.
- 10.8 During the rescue event the assessors are responsible for safety within the pit area. No evolution will start until all assessors are satisfied the pit area is safe. They may suspend any evolution on the grounds of safety.
- 10.9 The assessors have the authority to halt any activity during an evolution deemed to be in breach of safe working practice. This authority includes potential or existing danger or unsafe operation which may affect any team member, assessor or live casualty, and includes but is not limited to the following:
- Equipment provided by the organisers
 - Equipment provided by teams
 - Safety clearance of evolutions
 - Protective clothing worn by the teams
 - The application/use of that personal equipment
 - Teams actions and practices during evolutions, particularly in respect of live casualties
 - Damage to props
 - Damage to equipment
- 10.10 A halt will not incur a time penalty unless the breach in safety is a repeat of a previous breach in the same exercise.
- 10.12 The Assessors will be responsible for time keeping during any evolution.
- 10.13 Assessors will be permitted to assess teams from their own country however if they have a direct training link or have been previously a team member they must disclose an interest to the Head Assessor.



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11. Assessment Sheets

11.1 The assessment sheets will remain the property of the Organisers and will not be available for viewing or scrutiny by any unauthorised persons. Score sheet summaries for each team will be made available to that team after the conclusion of the challenge.

12. Scenarios

12.2 The scenario duration will be:

Rescue Challenge	Tier 1	25 minutes
	Tier 2	
	Tier 3	
Trauma Challenge	Standard Szenario	10 minutes
	Complex Szenario	

12.3 The Organisers will determine the sequence in which the teams participate prior to the challenge in order to ensure each team has access to its preferred brand of hydraulic equipment and that there is reasonable time between classes.

13. Scenario Aims and Class Objectives

13.1 The road rescue challenge is designed to meet the following outcomes:

- Replicate road rescue scenarios that emergency response crews may be called to attend.
- Create an environment where:
 - Teams have the opportunity to demonstrate a range of techniques and options to extricate casualties.
 - Team performance can be analysed over a series of extrication scenarios.
 - Learning and education in all facets of vehicle extrication is promoted.
 - Participants will leave being able to perform more competently at road rescue scenes, exercising current techniques in vehicle extrication and casualty treatment.



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13.2 Class Description:

	Szenario		Team Objectives	Complexity (Guidelines only)
	Tier	Time Factor		
RESCUE CHALLENGE	Tier 1 Critical patient	97 - 103	<p>To demonstrate a casualty centered rescue with a high level of regard for safety of all personnel.</p> <p>The use of hydraulic rescue tools for access, release and removal of a <i>physically trapped casualty</i></p>	<p>Live patients will be used.</p> <p>The patient's condition will range from critical to no injuries.</p> <p>Patients may be inside or outside the vehicle.</p> <p>Entrapment by vehicle/prop may be simulated.</p> <p>Bystanders may also be present. Some patients may be able to self-extricate or extricate with assistance.</p> <p>Moulage may be used to simulate patient injuries and be treatable in vehicle.</p> <p>Vehicles can be moved manually or using rescue tools if safe.</p> <p>Scenarios may involve multiple vehicles and additional props.</p>
	Tier 1 Stable patient	93 - 100		
	Tier 2	93 - 100		
	Tier 3	105 - 110		
	Each tier / scenario will have an allocated time of 25 minutes.			
TRAUMA CHALLENGE	Standard & Complex 10 min.		<p>To demonstrate a casualty centered first responder care with a high level of regard for safety of all personnel</p>	<p>Up to FOUR live casualties requiring Triage, assessment and treatment. This may include the use of props. A comprehensive handover must be given to the Trauma assessor within the time allocated.</p>

14. Prop Positioning and Relocation

- 14.1 Props may be positioned in pits to represent field objects, road furniture or other vehicles on the road. Every effort will be made by the organisers and hosts to ensure the realism of these props. This means that if the object is intended to be fixed and immovable, it will be placed in the scenario in such a way as to make it immovable or be flagged as such. Clarification about the mobility of any prop can be sought from the Command Assessor at any stage during a scenario.



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15. Team Presentation at Challenge (Rescue and Trauma)

- 15.1 Teams will present themselves at a location nominated by the hosts, and specified during the Team briefing, at the time indicated on the timetable. Once the team present, it is to remain there until it is escorted to the tool staging to commence its equipment inspection. The team will have a set time as detailed on the timetable to stage all of their tools and equipment.
- 15.2 When the team has either completed equipment preparations or the time has expired, it will be taken to an isolation area out of sight of the pit to allow for the staging of their scenario. Any items the team identifies as being missing or unserviceable are to be brought to the attention of the Pit/Logistics Manager before the team enters into isolation. The Pit/Logistics Manager will be responsible for resolving the issue and communicating the outcome to the team while they are in isolation. The team will be taken to the challenge pit once their scenario has been staged.
- 15.3 While in isolation, the use of mobile phones and digital cameras is prohibited by team members.

16. Breakdown of Scenario (Rescue Challenge)

- 16.1 At the conclusion of their evolution, each team must help in the break down of the tools and equipment and assist the pit team in reorganising items ready for the next scenario. This may be varied at the discretion of the Hosts subject to the number of personnel in the pit crew available to break the scenario down.

17. Debriefing

- 17.1 Following each scenario in each class (rescue challenge and trauma challenge) the Assessor team managing that class will conduct a short debrief with each participating team. The debrief is designed to provide a learning opportunity for all involved. To that end teams are encouraged to have their manager or any other support person take notes or video the discussion. Subject to approval by both the team leader and the Command Assessor, observers are welcome in any debrief.

18. Challenge Safety

- 18.1 Where the command “NO PLAY” or “FOR REAL” or where a whistle is blown, 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.

If there are any other safety stoppages during the same evolution, the time will not stop and the team will have to rectify the situation while the clock continues to run.
- 18.2 The above safety calls can be made by any of the Assessors or Safety Officers. If the problem can't be rectified the Chief/Head Assessor may disqualify the team or cancel the evolution.

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19. Timing

- 19.1 Assessors in each pit will be responsible for accurate timing of the scenario. The Command Assessor will call “time” or blow a whistle when time has elapsed. Alternatively, the team leader will call “time” before the available time has elapsed, when the casualty has been extricated and the Team Leader believes the team has completed the scenario.

20. Casualties

- 20.1 Live people and/or mannequins may be used.
- 20.2 Teams will be expected to assess the casualties for injury and provide treatment consistent with the injuries they find and their skills. Specific consideration should be given to maintaining the dignity of the casualties in this public training environment.
- 20.3 If Mannequins are to be used that represent live or deceased persons, these will be clearly identified.

21. Non-attendance of Team

- 21.1 In the event of a ‘No Show’ by any registered team at their appointed time for equipment inspection, the Organisers may disqualify them from that class.

22. Information

- 22.1 The Organisers reserve the right to use any and all information that may be obtained from the Challenge and its participants for educational purposes.

23. Team Leaders and Medics Briefing

- 23.1 A briefing will be held at a time to be notified prior to the Challenge. It is mandatory for all team leaders and medics to attend. Team managers may also attend if a team has someone nominated to this role. Other team members may attend for the provision of interpretation to the Team Leader or Medic.

24. Disqualification

- 24.1 Any team or team member that does not adhere to these rules or brings disrepute upon the Challenge may be disqualified.
- 24.2 Any matter concerning the possibility of a team disqualification or a matter bringing the Challenge into disrepute will be heard by a committee made up of the Chief/Head Assessor and two other members from the organising body. Any decision made by this group will be final.



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- 24.3 Spectators or team supporters may barrack and encourage teams in the spirit of fair play; however any “coaching”, including calling time remaining, from the spectators or team supporters will result in a “Freeze” being called, but the clock will continue to run. The Command Assessor will give a warning to the offending person or persons. Any subsequent coaching call will result in time being called on the participating team.

25. Code of Conduct

- 25.1 It is incumbent upon each individual involved in the management or participation within the Rescue Challenge to apply the principles of fairness and dignity to all people at all times. The organizer will not condone inappropriate behaviour or discrimination and will act swiftly to prevent it. Each individual is accountable for their actions.
- 25.2 All assessors, officials and Luxembourg Rescue Organisation members are professional / experienced rescuers or managers of rescue organisations and seek to deliver a fair and unbiased event. An appropriate degree of reciprocated professional respect is expected from all participants.
- 25.3 Fair play and good sportsmanship is expected of all participants and their teams during their evolutions and as spectators.
- 25.4 All participants are requested to respect the equipment of other teams, the equipment provided by the event management and the facilities provided at the challenge venue and hotel accommodation.
- 25.5 Participants whose general health may give cause for concern under the influence of alcohol or any other substance during the challenge or any associated workshops, lectures etc. will be expelled and barred from further entry.
- 25.6 Participants are not to canvas any assessor, official or organizer member.
- 25.7 Assessors, officials, pit crews and organizer members will declare any interest in a particular team to the Head Assessor.

26. Appeals

- 26.1 All appeals in respect of a technical performance and associated scoring will be heard by the 'L.R.O. Responsible' and the “Head Assessor” who will, where required, investigate or discuss the issue with any involved assessors and whose deliberation is final.
- 26.2 An appeal in respect of a technical performance should be made in writing, raised immediately and lodged with the Head Assessor.
- 26.3 All allegations of unfair assessment will be investigated thoroughly from all perspectives by the 'LRO Responsible' and the 'Head Assessor'.
- 26.4 Persons making any allegation must do so in writing. Any person making statements which deems to discredit an assessor or the assessment process will be challenged. The organizer strenuously seeks to secure a fair and unbiased event and will respond robustly to whispering allegations.

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LUXEMBOURG NTRC SCORE SHEETS

The Challenge score sheets can be downloaded from WRO website: www.wrescue.org

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