



World Rescue Organisation





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1. Introduction

Firefighters and Rescue workers are increasingly being asked to deal with more challenging casualty related situations than ever before. Their skills in dealing with casualties at incidents are constantly being challenged.

The objective of the World Rescue Organisation (WRO) Trauma Challenge (TC) is to assist in the development of trauma related skills of firefighters and rescue workers to enable them to deal successfully with the vast range of casualty centered incidents.

Participating teams will be assessed on their “lifesaving” capabilities during a ten-minute, trauma based scenario.

The WRO TC will focus on developing and promoting life support skills of rescue personnel, which will allow them to fill the therapeutic vacuum until further medical help arrives.

2. The Mission

To provide a platform for rescue personnel from around the world to come together, to enhance and develop competence levels in first responder trauma care.

3. Criteria for Participation

Participants must be competent within the field of casualty care and currently be members of an emergency service or formal emergency response team who provide casualty care within the community.

Teams require authorisation from their service and peak body WRO member.

Teams, which are participating as national winners from rescue organisations of the WRO or nominated from their peak body will attract priority in securing a place.

All other independent teams will secure a place subject to consideration of the WRO Executive Committee (WRO EC). The WRO EC 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.
- Number of teams: maximum 36
- A balance between participating countries.
- The introduction of new countries, organisations.

The decision of the WRO will be final although every effort will be made to accommodate as many as possible.



4. Code of Conduct

It is incumbent upon each individual involved in the management or participation within the WRC to apply the principles of fairness and dignity to all people at all times. The WRO will not condone inappropriate behaviour or discrimination and will act swiftly to prevent it.

All participants are reminded that they are not only representatives of their own Service, but they also represent the Rescue Services as a whole, and are to conduct themselves accordingly.

Each individual is accountable for their actions.

All assessors, officials and WRO 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.

Fair play and good sportsmanship is expected of all participants and their teams during their evolutions and as spectators.

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 accommodation.

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.

Participants are not to canvass any assessor, official or WRO member.

Assessors, officials, pit crews and WRO members will declare any interest in a particular team to the WRO Head Assessor.

Both, the Opening and Closing ceremonies, are formal functions and appropriate uniform or corporate wear is to be worn. Dress may be relaxed at the discretion of the organizers and due notice will be given.

Participants are expected to be smartly dressed whilst in the Challenge venue, it is preferred that working rig be worn to tour the site, however this can be relaxed to casual wear, so long as it is smart and approved by the team manager.

Full protective clothing will be worn in the Challenge area, this may be relaxed during 'preparation and make up' at the discretion of the head assessor.

It is accepted that the evenings events perform an important part of the socializing aspect of the Challenge, participants are again reminded to behave in a manner befitting their Service and have due regard to non-service persons who may share the same facilities.



5. Team Membership

Each team will consist of two (2) members, one of whom must be designated team leader and one as medic/first aider. A team member can only participate in the event, upon the approval of a principal manager from the organisation they are representing.

All personnel will be allowed to participate in all classes. At the discretion of the WRO Head Assessor, a team may substitute a team member in the case of an illness or injury.

If, during a scenario, 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 team is responsible for the provision of language interpretation where English is not the predominant language used during the event. The team will need to discuss the issues and methods of achieving this with the WRO Head Assessor who will ensure that any interpretation is accurate and reflects the performance of the team.

6. Injury

If, during the challenge, an accident or injury occurs to a team member, casualty, spectator or any other person, that affects the running of the scenario, the injury will be advised to the organisers and hosts as an authentic occurrence. The WRO Head Assessor, Scenario Assessors 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 in that pit.

The Challenge Coordinator is to be advised immediately.

7. Pit Access

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. Insurance

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".

The organization will supply third party liability insurance.



9. Registration

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 3 (Criteria for Participation).

Registration of arrival will take place prior to the challenge.

Teams that are unable to participate in the challenge must notify the organisers in writing of their decision to withdraw, or they will be deemed to be a 'No show' and be disqualified. If a team withdraws after the closing date of registration, they will not be refunded the entry fee unless another team takes the place.

10. The Challenge

Each team consisting of two members will compete and be assessed in two scenarios during the four days.

Each team is allocated nine minutes for assessment and treatment and a further one minute for patient handover.

The scores for both scenarios will be evaluated from which the challenge winner will be identified.

The team will be assessed in the following areas:

- Scene assessment & Initial casualty contact
- Assessment and Management of injuries
- Treatment of casualty
- Patient handover & Communication

Each team will be afforded a hot debrief immediately following their "run off", with a written critique post-challenge on request. It must be noted that the assessors' decision is final and all participants are asked to respect that decision.

Marks will be awarded each day with all sets being collated together and the highest combined score will determine the order of places.

11. Scenarios

There will be a bank of scenarios controlled by the organisers. The exact scenario delivered to each team in each class will remain confidential. It is envisaged that the following classes will be compulsory for a host to administer on behalf of the WRO.

The scenario duration will be:



- **Standard Trauma** (one live casualty) - ten-minutes
- **Complex Trauma** (two live casualties) - ten-minutes

The organisers will determine the sequence in which the teams participate prior to the challenge.

12. Scenario Aims and Class Objectives

The trauma challenge is designed to meet the following outcomes:

- Replicate trauma 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 of casualty care.
 - Team performance can be analyzed over a series of trauma scenarios.
 - Learning and education in all facets of trauma care is promoted.
 - Participants will leave being able to perform more competently at trauma scenes, exercising current techniques in casualty treatment.

During the scenario, the team can require assistance from one bystander.

Scenario Descriptor:

Scenario	Team Objectives	Time	Complexity (Guidelines only)
Standard Trauma	To demonstrate casualty centered first responder care with a high level of regard for safety of all personnel.	10 min	One live casualty requiring assessment and treatment. This may include the use of props A comprehensive handover must be given to the Trauma assessor within the time allocated.
Complex Trauma	To demonstrate casualty centered first responder care with a high level of regard for safety of all personnel.	10 min	TWO live casualties requiring triage, assessment and treatment. This may included the use of props A comprehensive handover

			must be given to the Trauma assessor within the time allocated.
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Basic packaging of the patient will be evaluated using the C-ABC and S protocols, with care and safety being of prime importance.

13. Tools and Equipment

Teams may select appropriate equipment from the trauma kit bags supplied.

Airway & Breathing Equipment

- 1 x Set Oropharyngeal Airways
- 1 x Suction unit, battery powered with tubing
- 1 x Pocket Mask
- 1 x Disposable Bag and Mask (Adult & Child)
- 2 x 99% - 100% Non-Rebreathing Disposable Adult Mask
- 1 x 99% - 100% Non-Rebreathing Disposable Child Mask
- 1 x Resuscitator/ O2 therapy unit and O2 Cylinder

Circulation Equipment

- 2 x CAT Tourniquet
- 1 x Defibrillator
- 2 x Quick-Clot (Z-fold haemostatic dressing)

Disabilities

Exposure Equipment

- 1 x Blanket

Spinal & Pelvic Care

- 1 x Longboard
- 1 x Scoop stretcher
- 1 x Medical collars
- 1 x Pelvic sling
- 1 x Vacuum Mattress



Trauma Equipment

- 10 x Gauze Pads, different sizes
- 12 x Elastic wrap bandages, different sizes
- 8 x Sterile gauze bandages, different sizes
- 4 x Triangular bandages, different sizes
- 2 x Adhesive tape
- 1 x Asherman Chest Seal or equivalent
- 1 x Set Trauma splints, SAM-splints or similar
- 1 x Set vacuum splints

Diagnostic & Personal safety equipment

- Disposable non-sterile gloves
- 1 x Protective glasses
- 1 x Stethoscope
- 1 x Sphygmometer
- 1 x Pulse Oximeter
- 1 x Blood glucose meter
- 1 x Body temperature thermometer
- 1 x Pupil torch
- 1 x Scissors / Tuff Cut Shears
- 1 x Pen
- 1 x Adhesive Tape

Teams are expected to supply their own consumables (e.g. PPE, tapes, sprays, etc.). Teams may bring a limited amount of tools and/or equipment for use in any of the pits. All of these items, including personal equipment belts and contents, must be scrutinised by Assessors at a time and place determined by the organisers/hosts, prior to the commencement of the WRC.

Items supplied in the trauma bag, which perform a similar function to equipment that teams introduce, will be removed. This is to ensure that teams bringing additional equipment do not gain a quantity advantage.

Teams wishing to introduce their own equipment should speak to the Head Assessor at the team briefing to gain approval. Approval cannot be given on the day of the challenge.

The hosts local rules may apply in the prohibition of certain items of equipment and should this be the case all teams will be informed prior to the Challenge.

All team members should make themselves familiar with any tool that they may use at the WRC.



14. Team Presentation at Challenge

Teams will present themselves at a location (team registration) nominated by the hosts, and specified during the Team briefing at the time indicated on the timetable (usually twenty minutes prior to their designated run off time). Once the team present, they are to remain there until they are escorted to the isolation area out of sight of the pit to allow for the staging of their scenario. During the isolation time the team can do their equipment inspection.

Any items the team identifies as being missing or unserviceable are to be brought to the attention of the Pit/Logistics Manager. 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.

While in isolation, the use of mobile phones, pagers and digital cameras is prohibited by team members.

15. Assessment of Performance

A panel of qualified Assessors will assess each team's performance. The parameters assessed are detailed in the Assessor's Guidelines and on the Challenge Assessment Sheets. These are based on best practice within the WRO's agreed format following liaison and agreement from partner rescue organisations Technical Groups. To that end teams are encouraged to strive for the standard of excellence described in all areas.

Teams should note that Assessors are briefed to assess a team's performance on what they see and hear, not what they expect to see and hear. With this in mind teams are urged not to 'play up' to the Assessors by giving a running commentary of what they might do under certain conditions, but to actually do what they would normally do if they encountered the same scenario in real life.

The decision of the Head Assessor concerning any assessment or conduct will be deemed to be final.

Each team will be evaluated in the following areas:

- Scene safety
- Initial patient contact
- Assessment of injuries and condition
- Treatment of casualty
- Patient handover

Copies of all the assessment scoresheets and guidelines in use each year are available on the WRO website.



16. Debriefing

Following each scenario in each class the assessor team managing that class will conduct a short debrief with each participating team which 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 Assessor.

A follow-up written critique 'post Challenge' can be provided on request, via the Trauma Lead.

It must be noted that the Assessors' decision is final and all participants are asked to respect that decision.

17. Personal Protective Equipment

All competing team members will at all times, during the challenge wear suitable clothing and personal protective equipment as approved by their agency. As a minimum, suitable turn out gear, coveralls, safety boots, eye protection (in the form of safety glasses), 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.

All competitors are responsible for providing their own PPE, including medical gloves and eye protection.

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

18. Challenge Safety

Where the command "**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 Assessor will give the instruction for the team to continue and the clock will recommence.

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.

The above safety calls can be made by any of the Assessors or Safety Officers. If the problem can't be rectified the WRO Head Assessor may disqualify the team or cancel the evolution.

19. Timing

Assessors in each pit will be responsible for accurate timing of the scenario. The Assessor



will call “time” or blow a whistle when time has elapsed. Alternatively, the team leader can call “time” before the available time has elapsed, when the Team Leader believes the team has completed the scenario.

20. Casualties

Live casualties will be used at all World Rescue Challenges.

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.

21. Non-attendance of Team

In the event of a ‘No Show’ by any registered team at their appointed time for registration, the organisers may disqualify them from that class.

The organisers may substitute another team, in the event of a team ‘No Show’.

22. Information

The organisers reserve the right to use any and all information that may be obtained from the WRC and its participants for educational purposes.

23. Documentation

Documentation will be provided by the host on receipt of notification of interest to participate. Documents must be completed and returned, together with the full entrance fee, to APRAT Spain.

The entrance fee must be received before your team can be accepted as a participant in the WRC2023 World Trauma Challenge.

24. Team Leaders and Medics Briefing

A briefing will be held at a time to be notified prior to the WRC2023. It is mandatory for all team leaders or their designated deputies to attend. Other team members may attend for the provision of interpretation to the Team Leader or Medic.

25. Determination of Results

Determination of results will be based on the following criteria:

Each Assessing Discipline score, for each scenario type (‘Standard’ or ‘Complex’) will result in a ranking, i.e. the highest score within Standard, will be ranked first, equating to 1 point.



A team's overall scenario WRC Trauma Challenge score will be the combined ranking points, i.e. where a team finishes first in Standard (1 point), eighth in Complex (8 points), their total team score for the WRC Trauma Challenge is 9 points.

The 'Best Team' will be decided by the lowest combined ranking points across both categories. In the event of two teams being tied overall a 'Count Back' process will be undertaken to establish the final overall ranking.

The 'Count Back' process will be conducted as follows:

- The highest combined score from both disciplines will be declared the winner
- If still tied, the highest complex score will be declared the winner
- If still tied, then the highest standard score will be declared the winner
- If still tied, then the WRC Trauma Challenge will be declared a 'dead heat'.

26. Awards

The organisers will determine the prizes to be awarded from year to year. Each year the WRO Committee recognizes the performances of the teams that compete. The effort and dedication that has been put in by team members and supporters towards this Challenge over many months, shows the value of just such an event as this.

In any rate, awards will be made to the teams in the following categories of the Challenge:

- World Trauma Challenge Champions:
 - Top Overall Team – 1st place
 - Top Overall Team – 2nd place
 - Top Overall Team – 3rd place
- Standard Scenario:
 - 1st, 2nd and 3rd place
- Complex Scenario:
 - 1st, 2nd and 3rd place

27. Disqualification

Any team or team member that does not adhere to these rules or brings disrepute upon the WRC may be disqualified.



Any matter concerning the possibility of a team disqualification or a matter bringing the WRC into disrepute will be heard by a committee made up of the WRO Head Assessor and two other members from the organising body.

Any decision made by this group will be final.

Spectators or team supporters may 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.

Participation in the Learning Symposium and Workshop

The intent of the WRC is to explore, develop and promote best practice in the delivery of integrated road rescue and trauma care services. To this end the challenge may include a learning symposium and/or a practical workshop during the challenge. To ensure maximum learning opportunity by all participants, attendance at the symposium and participation in the workshop pit is recommended.