



***Motorsport
Ireland***

Refuelling Area Criteria

January 2023

Purpose

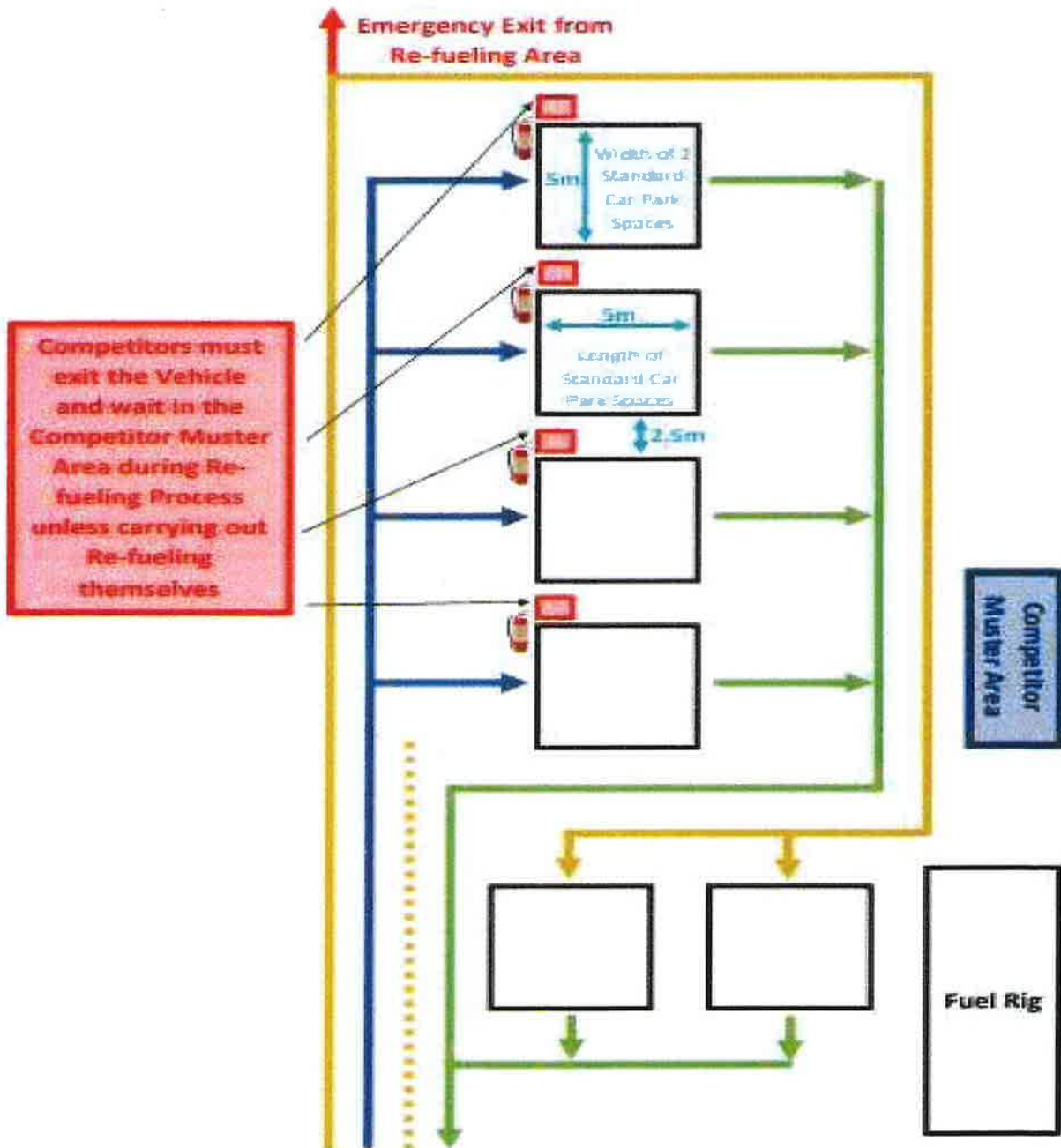
The purpose of this document is to set down a clear criteria for refuelling zones at stage rally events in Ireland. Items within this document offer a clear path for the execution and safe delivery of a refuelling area.

All items with in this criteria are mandatory.

Refuel Zone definition

An area that is secure and is fenced or walled off so as to maintain a sterile area for competing cars and crew members to refuel competition cars. This area must be clear from spectators and unauthorised officials. One Service crew member per car wearing correct clothing may access this area to carry out the refuelling.

Sample layout



Marshals to maintain restricted access and also to manage flow of cars in and out of the Zone.

Space to allow for 6 cars to refuel at one time. Sample layout shows the 6 bays with 2 being used for refuel rig if available on event.

Zone to have set down space for fuel drums away from refuel locations.

To include a muster area for competitors while refuelling is being carried out if not doing the task themselves.

Zone to also allow for traffic flow in and out of area.

Fire cover to be in the area for use by competitor's / service crew who have correct PPE to use it in the event of a fire. Spare extinguisher's to be available to replenish used ones in the area. Minimum 2 fire extinguishers per refuel bay. Recommended to identify and clearly mark fire hydrant prior to event taking place in the area.

Absorbent mats to be under rear of the car while refuelling is taking place in each space.

Zone to be clearly signed for hazards and risks as per sample supplied here under.

Sign A / B / C : to be located on each refuel bay for competitor information can be on one sign.

Recommended 1200 x 1200 if all signs are on one board.

Sign C / D to be placed at entrance to Refuel Zone

SIGN A

**All competitors must exit the
vehicle and wait in the
competitor muster area
during re-fueling process
unless carrying out the
refuelling themselves**

Sign B

All personnel carrying out refuel have to be wearing protective clothing, including gloves and eye protection



SIGN C

NO short sleeves or short pants

Allowed in the refuel zone



SIGN D

REFUEL ZONE

Authorised personnel only

Allowed in refuel zone



No time controls in or out of Refuel Zones

Recommendation to clubs to allow time for refuelling in the road section time allowance.

For example

Service out to AC SS4

Normal calculation Distance x 1.20 + 3

13.2km x 1.20 + 3 = 18.84km rounded up = 19 minutes

Where a Refuel Zone is included on road section additional time allowed is 5 minutes

19 + 5 = 24 minutes

Total road section time from service out to AC SS4 including refuel is 24 minutes.

RISK CONTROL

The following needs to be considered when making event refuelling arrangements:

- From January 2023 all competitors on international events will have to have a dry brake coupling fitted to the vehicle or be using a hand pump to dispense fuel. {option of using refuel rig available to non-homologated cars on international events if they so wish in consultation with the rig supplier}
- While dispensing of fuel is taking place static bonding must be in place between fuel container and the body work of the car.
- Transportation of fuel by service crews / competitors to and from Refuel Zone. Needs to be done in sealed containers and where possible using aids for transporting containers.
- The use of funnels or the pouring of fuel is strictly prohibited.
- Fuel to be stored in clearly labelled steel drums only in the designated zone in refuel zone. No plastic drums will be allowed access to the refuel zone.
- This is the responsibility of the competitor with club to enforce.
- The dispensing area should be a minimum of 10 metres from any pit garages, service spaces/pitches, onsite buildings, adjoining properties or groups of people.
- Removal of any combustible materials or sources of ignition.
- Provision of facilities to deal with fire and appropriate emergency procedures. An appropriate number of fire extinguishers (dry powder and AFFF) must be provided as per description above in refuel zone layout.
- Refuelling to be carried out only in the designated refuel zones with an absorbent mat / bund under the area to rear of the vehicle. Replacement absorbent mats to be available and soiled / used ones to be disposed of correctly.
- Any competitor that is planning on using standard pump fuel and are intending on filling at a petrol station on rally route must inform the CoC in writing prior to starting the event.

- Appropriate personal protective equipment to be worn by those dispensing fuel, either crew or one service crew member including gloves and eye protection.
- Appropriate signage is in place to warn of the presence of flammable substances and the prohibition of sources of ignition

STORAGE AND USE OF FUEL

- All empty containers must be removed from the service park after the event.
- Petrol is to be used as a fuel only, not for any other purposes.
- All vehicle re-fuelling is to take place in the open air.
- Smoking and any other sources of ignition must be prohibited and a safe area should be enforced with an operator on stand-by with a fire extinguisher.
- Emergency alternative exit for competitor's and rally cars must be provided from the refuel zone.

EMERGENCY MANAGEMENT

The emergency plan should be tailored to the risks associate with the event and include:

The person in control

This will be the refuel zone manager as per the safety plan

Actions required in the event of a spillage

This zone to be coned off from other cars using it until such time is dealt with and resolved.

Actions required in the event of a Fire

Area to be cleared of all personnel to assemble point / muster area

On site fire cover personnel to attend scene and make safe if correct equipment available relevant to the risk.

Communication methods and the procedures for dealing with an emergency

Via phone or 2 way radio to fire cover team

Arrangement for contacting the emergency services.

In the event of a serious emergency 999 / 112 to be used