



GENERAL RISK ASSESSMENTS

General Risk Assessments

This document defines the overall risk assessments and mitigations that were used when compiling the Safety Plan. Activity and associated hazards:

- Stage Set-up
- Ceremonial Start
- Live Stages
- Service Area/ Start Venue
- General
- Fire

It is crucial that operations connected with the event should, where possible, run on time. Delays can cause unusual spectator movement on the stages which may raise significant safety issues.

Any PPE defined must be used by all signed on Marshals and officials.

Stage Set-up

At Risk	Precautions/Controls
Set Up Crew	Experienced crews utilised for set-up, all marshals to sign on prior to commencing set up. Hi-Viz clothing MUST be worn at all times along with gloves whenever handling any equipment. First aid and Fire Extinguishers to be carried by crews, Local Authorities and Land owners to be made aware of presence of crews. Vehicles must adhere to the Road Traffic Act (Scotland) 1988 at all times whilst travelling on open public highways ensuring the safety of not only themselves but other road users. Each driver is to be approved by the Set Up crew manager, no one to drive a vehicle they are not approved for. The vehicle driver is to manage others entering into or alighting from the vehicle, maintain awareness of other traffic and inform team mates accordingly. Vehicles to be fitted with orange beacons which are to be used when stationary or otherwise forming a hazard. Once a road is Closed, set up vehicles are only to traverse the stage in rally direction and must not enter a closed road without express permission from the Set Up Manager (ONLY). Set Up crews should be in groups of two or more and should be able to maintain contact via radio with other parties. All parties to have fully charged mobile telephones to hand. Operators of tractors, fork-lifts, telehandlers etc. must have the appropriate driving license and plant certification. Straw bales not to be handled by a solitary person. A minimum of two, but preferably three are required to handle bales.
Hazards	
Slips or Trips	
Injury from use of hand-held tools e.g. hammers, saws, staple guns etc	
Weather	
Impact with moving vehicles	
Manual Handling	
Personnel injury	
Risk Evaluation	
Low	
Personal Protective Equipment	
Safety Boots	
Hi-Viz Clothing	
Gloves	

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At Risk	Precautions/Controls
Members of the Public	All crews must obey all Road Traffic laws whilst carrying out set up on open roads. Reversing manoeuvres should be avoided where possible, however if required particular diligence should be taken.
Hazards	
Impact with Moving vehicles	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Set Up Crew	All personnel to: Wear the appropriate PPE Bring appropriate clothing for a range of weather conditions. Wear appropriate footwear for comfort and weather protection. Bring headwear to protect from wet weather and from excessive sunshine. Bring sustenance and sufficient water or other fluids to maintain sustenance and hydration.
Hazards	
Environment	
Exposure	
Hypothermia	
Heatstroke	
Dehydration	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Set Up Crew	Maintain politeness and remain non-confrontational If a situation escalates or becomes threatening step away and advise Rally Control accordingly.
Hazards	
Negative interaction with third parties	
Risk Evaluation	
Low	

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Ceremonial Start Area

At Risk	Precautions/Controls
Spectators/ Competitors/ Public/ Press/ Officials	All competitive rally vehicles are fitted with plumbed in Fire Extinguisher systems Fire Extinguishers available at Ceremonial Start Officials/ Marshals will monitor for evidence of fire
Hazards	
Fire	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Public/ Spectators/ Press	Clearly marked areas, with barriers for pedestrians including safe crossings if required. The organisers have a group of safety cars running ahead of the competing cars. The personnel in these vehicles are trained and have the responsibility to ensure the safety of all parts of the route in advance of the event running. These cars are equipped with PA systems and will be able to communicate with the general public and spectators if required. A Master of Ceremonies will be at the start area to inform onlookers via a public address system on what is happening as well as provide safety advice. The event programme will give members of the public advice on safety issues. Signage and taping on the barriers to warn onlookers of the dangers and to differentiate between safe and prohibited areas. Adequate numbers of Motorsport UK accredited marshals will be positioned to prevent public egress into potentially unsafe areas. Ensuring that competitors are aware of the likelihood of there being members of the public present and restricting speeds in the start area. There will be a limited number of cars at the site at any time. Ensuring ample time in the preceding and following road sections to avoid any need for competing cars to move quickly.
Hazards	
Moving vehicles in area where members of the public are present	
Risk Evaluation	
Low	

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At Risk	Precautions/Controls
Spectators/ Competitors/ Public/ Press/ Officials	All competitive rally vehicles are fitted with plumbed in Fire Extinguisher systems Fire Extinguishers available at Ceremonial Start Officials/ Marshals will monitor for evidence of fire
Hazards	
Fire	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Environment	All Official/ Safety and Competitive vehicles carry spill kits Spill Kit available at Ceremonial Start The event has an Environmental Scrutineer to manage this aspect of the event
Hazards	
Oil or Fuel Spillages	
Risk Evaluation	
Low	

Live Stages

At Risk	Precautions/Controls
Spectators/ Media/ Public	To discourage spectator movements in these instances, all or some of the safety convoy and early competitors can be delayed and spacing out the early competitor convoy by using 2-minute starts Should it be required, intermediate safety cars can be used to ensure that any gap does not exceed the maximum permitted gap of 20 minutes. These vehicles will be fitted with PA Systems to inform spectators of delay In extreme circumstances consideration must be given to cancellation of a stage or stages
Hazards	
Delays in Rally Stages caused by previous incidents	
Risk Evaluation	
High	

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At Risk	Precautions/Controls
Spectators/ Media/ Public	Should the situation arise where a stage requires cancellation the Clerk of the Course will maintain an overview of the spectator situation to monitor influx into other stages. Marshals from cancelled stage will be deployed to areas affected to provide back up to teams already in place Interim Safety vehicles can be deployed to areas to assist where necessary.
Hazards	
Stage Cancellation	
Spectators Migrations overwhelming other stages	
Risk Evaluation	
Medium	

At Risk	Precautions/Controls
Competitors	Competitors often find it difficult to find suitable facilities en-route and in the event of an accident, a full bladder is more likely to sustain an injury than an empty bladder, therefore toilet facilities are provided in the vicinity of all arrival controls and stop lines. Cleaning protocols will be in place for each toilet and anyone using the facilities will be expected to wipe down all contact points and wash their hands once they have finished.
Hazards	
Accident during competition/ Public Health	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Spectators/ Competitors/ Public/ Press/ Officials	All access points to stage blocked as per Motorsport UK regulations. Marshals to be posted at known access points to prevent incursion.
Hazards	
Non Competing vehicle on stage	
Risk Evaluation	
Low	

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At Risk	Precautions/Controls
All event attendees	All attendees to: Bring appropriate clothing for a range of weather conditions. Wear appropriate footwear for comfort and weather protection. Bring headwear to protect from wet weather and from excessive sunshine. Bring sustenance and sufficient water or other fluids to maintain sustenance and hydration.
Hazards	
Environment Exposure Hypothermia Heatstroke Dehydration	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Competitors	Rally car must pass Scrutineering before start of rally. This will include among other things, roll cage, seat belts, helmets, fireproof overalls, and general condition of car. This inspection to be carried out by Motorsport UK registered Scrutineers. Stage communications including Previous Car number checking and paperwork designed to spot any missing cars with minimum delay, use of SOS/OK board by crews to confirm their condition to following competitors after any incident. Medical and rescue cover provided over route, first aid box and fire extinguishers at each stage start and finish. Competitive vehicles are also fitted with plumbed in fire extinguishers. Competitors first priority if car is off road must be to protect their own and others safety at the scene, and to communicate their safety or otherwise by best method possible.
Hazards	
Accident during competition	
Risk Evaluation	
High	

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At Risk	Precautions/Controls
Spectators/Public	All stage entrances to have current advance signage displayed, "Motorsport is Dangerous", and spectator safety advice (see section 24). Programmes will include information regarding safety and safe areas for spectating. The Clerk of Course, Stage Commanders, Stage Safety Officers and all other officials in safety cars have the power to delay start of any stage if there is a concern about the position of spectators, or the signage. On the event, there are 4 designated spectator areas. Spectators will be guided via well signed routes to view the event, these areas are controlled by barriers and fencing, along with experienced spectator marshals. Event officials will, if necessary, remove spectators from unsafe areas and delay the start of any stage until any concerns are removed. Motorsport UK Rally Media with level two accreditation may operate in locations additional to the spectator areas. These specific positions must be agreed in writing with the Clerk of the Course before the event and will be published in a schedule and checked by the Motorsport UK Safety Delegate on the day. (Note: these will be specific locations and not a right to roam free)
Hazards	
Slips or Trips	
Impact with moving vehicle or flying stones etc	
Risk Evaluation	
High	

At Risk	Precautions/Controls
Marshals	All marshals used completed Marshals training. Marshals positioned as per stage set up diagrams and in positions considered to be the most safe and suitable to their experience. Suitable, competent and experienced marshals at each point, inexperienced marshals paired with experienced to have on event training. High visibility tabards will be issued by Motorsport UK or if necessary, Stage commanders, and worn by all marshals. Whistles will be used by Marshals to warn others of approaching vehicles. Stage commanders must ensure all marshals to sign on using official Motorsport UK forms to ensure proper insurance cover is in place in the event of an accident. Stage Commanders to issue marshals' guide and hold a stage safety briefing and highlight any points considered relative to their stage. Suitable footwear and clothing to be worn to reduce risk of slips, trips and weather conditions
Hazards	
Slips or Trips	
Impact with moving vehicle or flying stones etc	
Risk Evaluation	
High	
PPE	
Safety Footwear Hi-Viz Whistle Winter Clothing if required	

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At Risk	Precautions/Controls
Environment	Physical damage to surrounding property possible, each stage checked at end of event and any damage reported by Stage Commander to the Clerk of the Course. Competitors must record any damage on the declaration which will be handed in at end of event. All cars must carry fire extinguishers and a spill kit to be used in the event of an accident or spillage. Spill kits at each stage start and finish, fire extinguishers at stage starts and finishes. At the identified water crossing on the stages, a marshal post with a minimum of two marshals will be manned along with an oil spill control boom that must be deployed, in accordance with the stage specific instructions, downstream of the crossing in order to protect the watercourse from any fluid leaks.
Hazards	
Impact Damages Spillages Fire	
Risk Evaluation	
Low	

Service Area

At Risk	Precautions/Controls
Public	Appropriate warning notices will be displayed at all access points. Unaccompanied children are not allowed. One-way System and a mandatory speed limit will be in place within the Service area. Marshals to be pro-active when aware of any problems/concerns over spectators within the service area. Competitors and service crews should be aware of possible spectators and of the high risk that occurs when moving vehicles within these areas, and therefore great care should be taken. Speed limits must be observed, and a banksman should be used when the vehicles are reversing. Medical cover provided within service area.
Hazards	
Impact with moving vehicles	
Risk Evaluation	
High	

At Risk	Precautions/Controls
All service area users	Only jack or use stands on a firm stable base or jacking board. No-one to work under a vehicle only supported on a jack, Stable jack stands must be used.
Hazards	
Crush injuries	
Risk Evaluation	
High	

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At Risk	Precautions/Controls
Marshals	One-way System and a mandatory speed limit will be in place within the Service area. All marshals must wear high visibility clothing. The proximity of all facilities at this venue means that all personnel must take extra care when in the vicinity of cars and equipment. Marshals to enforce driving standards and report any issues to a senior official if concerned with any issues caused by competitors or service crews. Medical cover provided within start/service area.
Hazards	
Impact with moving vehicles	
Risk Evaluation	
Medium	
PPE	
Safety Footwear Hi-Viz	

At Risk	Precautions/Controls
Environment	Any spillage of oil or other fluids could enter watercourse or drains. Service crew must ensure that any work of this nature is carried out at a safe distance from these areas and that a spill kit is used in the event of any spillage. Any used spill kits to be disposed of in appropriate manner. All work must be carried out on a ground sheet. Any breaches to be reported by marshals/officials to the Clerk of Course and the environmental Scrutineer.
Hazards	
Spillages Fire	
Risk Evaluation	Refuelling within the general service area is banned and a specific area is provided and is under the control of the environmental scrutineer. A time allowance for this is included in all cases within the first road section after each service. Extinguishers and spill kits on hand at re-fuel. The areas of the Management service refuel area that are identified as being susceptible to run off of any spilt fuel must be bunded such that any spilt fluids are contained on hard standing and can be adequately cleaned up. General litter should not be forgotten, and the service crews should ensure that any litter is disposed of in the bags provided or taken home.
Low	

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At Risk	Precautions/Controls
Service Crews	All service crew to wear PPE as directed by their crew chief. To prevent cars falling on mechanics; only experienced people should work on cars. Any work under a jacked-up vehicle should only be carried out when axle stands, or other permanent supports are in place, and the vehicle is on ground, suitable to take the weight of the jack, stand or support without overturning. Safe working practice is the responsibility of each crew member and their service supervisor. All rally marshals and officials will monitor that the service crews act in a responsible manner. Breaches will be reported to the Clerk of Course or the Environmental Scrutineer. Refuelling within the general service area is banned and a specific area is provided and is under the control of the environmental scrutineer. A time allowance for this is included in all cases within the first road section after each service. First Aid cover provided within start/service area.
Hazards	
Slips or Trips	
Injury from use of hand tools	
Burns from hot exhausts or other Engine parts	
Contact with oil, fuel or other potentially corrosive fluids	
Impact with moving vehicle	
Risk Evaluation	
Medium	

At Risk	Precautions/Controls
All users	Ensure adequate ventilation by leaving doors open. Engines not to be left running. Noise check to be carried out away from scrutineering area.
Hazards	
Toxic Vehicle emissions	
Noise	
Risk Evaluation	
Low	

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General

At Risk	Precautions/Controls
All users	Where food vendors are in operation, the licensing with environmental health departments has been checked before the event. Adequate toilet facilities are provided at the spectator areas and within the service area, also at all arrival controls and stop lines.
Hazards	
Food Vendors	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
All users	All electrical equipment and extension cables well maintained and checked prior to use. Extensions fully uncoiled to prevent overheating. Residual current devices (RCD) used where appropriate. Fire extinguishers on site.
Hazards	
Electrical Equipment (PA's, Office Equipment, generators, etc)	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
All Event Attendees	All attendees to: Wear the appropriate PPE Bring appropriate clothing for a range of weather conditions. Wear appropriate footwear for comfort and weather protection. Bring headwear to protect from wet weather and from excessive sunshine. Bring sustenance and sufficient water or other fluids to maintain sustenance and hydration.
Hazards	
Environment	
Exposure	
Hypothermia	
Heatstroke	
Dehydration	
Risk Evaluation	
Low	

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Fire

Fire poses very significant risks to all attendees at the event if not managed correctly, below are the risks the event foresees and the current precautions and controls put in place to prevent fires, trained fire marshals will be on hand in certain areas and advice provided to competitors, marshals and spectators prior to and at the event.

At Risk	Precautions/Controls
All users	All electrical equipment and extension cables well maintained and checked prior to use. Extensions fully uncoiled to prevent overheating. Residual current devices (RCD) used where appropriate. Fire extinguishers on site.
Hazards	
Electrical Equipment (PA's, Office Equipment, generators, etc)	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
All users of Service Area	All Rally Vehicles fitted with plumbed in Fire Extinguisher systems Officials/Marshals to monitor for evidence of fire Fire extinguishers on site.
Hazards	
Hot Exhausts and engines Flammable Liquids	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Spectators/ Competitors/ Public/ Press/ Officials	All Rally vehicles fitted with plumbed in Fire Extinguisher systems Fire Extinguishers available at Ceremonial Start Officials/ Marshals will monitor for evidence of fire
Hazards	
Fire	
Risk Evaluation	
Low	

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At Risk	Precautions/Controls
Spectators	Spectators are not permitted to light open fires whilst spectating on the event Officials/ Marshals will monitor for evidence of fires and will be required to report to Stage Commander in order to arrange extinguishing
Hazards	
Open Fires	
Risk Evaluation	
Low	

At Risk	Precautions/Controls
Environment	Any spillage of oil or other fluids could enter watercourse or drains. Service crew must ensure that any work of this nature is carried out at a safe distance from these areas and that a spill kit is used in the event of any spillage. Any used spill kits to be disposed of in appropriate manner. All work must be carried out on a ground sheet. Any breaches to be reported by marshals/officials to the Clerk of Course and the environmental Scrutineer. The areas of any service refuel area that are identified as being susceptible to run off of any spilt fuel must be bunded such that any spilt fluids are contained on hard standing and can be adequately cleaned up. Refuelling within the general service area is banned and a specific area is provided and is under the control of the environmental scrutineer. A time allowance for this is included in all cases within the first road section after each service. Extinguishers and spill kits on hand at re-fuel.
Hazards	
Spillages Fire	
Risk Evaluation	
Low	

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At Risk	Precautions/Controls
Environment	A dropped cigarette, unattended fire or barbecue could start a wildfire. Similarly a car going off into the undergrowth with hot exhaust components etc. could all set off a wildfire In dry weather could rapidly spread out of control, overwhelming any available extinguishers and causing significant damage and risk to life. If a wildfire is reported in the vicinity of a stage then Rally Control should coordinate with the Fire Brigade to investigate and corroborate with whatever resources are available, then if necessary declare a Major Incident and stop then abandon the impacted stage(s). The HQ Incident Officer will assume command of this incident at this time and may call on whatever rally resources they need as well as the public Blue light services. No further cars should enter the stage. Once all competing cars are clear of the stage the radio cars must be advised that the stage is to be evacuated and to instruct the marshals near them before exiting the stage in either rally direction or by leaving the stage at the junction they are located at. If it is considered safe to do so an Inter Car should be tasked with driving the stage to advise all other marshals and members of the public to evacuate. This car will be deemed to be the sweeper using it's PA to advise everyone of the status of the road and to issue instructions as necessary.
Hazards	
Fire	
Risk Evaluation	
Low	