

RISK ASSESSMENT OF: Extrication challenge

PREMISES

EQUIPMENT ✓

VEHICLE ✓

SYSTEM OF WORK ✓

RISK ASSESSMENT BY: H Crampton

DATE COMPLETED: 30/8/2024

DISCIPLINE LEAD SIGN OFF:

DATE FOR REVIEW: after competition

Notes:
See separate risk assessments for Logistics (preparation and movement of vehicles into pit area) and Pit preparation

TASK	HAZARDS IDENTIFIED	WHO MAY BE HARMED AND HOW?	EXISTING CONTROLS	IS THE RISK ADEQUATELY CONTROLLED? (YES / NO)	ADDITIONAL CONTROL MEASURES & COMMENTS	SECTION / PERSON RESPONSIBLE
Appliance driven to competition area	Movement of vehicles	Participants UKRO team Volunteers in Pit Area Interface between vehicles and pedestrians leading to impact, Collision with structures causing damage	Drivers are qualified and experienced, speed limit in place Awareness of pedestrians in area Adequate space is planned to allow for passing vehicles, and manoeuvring as required Marshal available in Pit area to assist with vehicle movements No access to area except to those authorised to work or compete. Marshal and volunteers in hivy when working in pit area	Yes		

Competition – Pit area	Moving around Pit area: broken glass, fuel, oil spillages	Participants UKRO team Volunteers in Pit Area slips and trips, and lacerations from debris or fluid	All vehicles used in competition have been de-polluted Work area cleared and swept in between rotations Granules and spill kit available Pre-scenario checklist completed prior to each rotation by UKRO.	Yes		
	Instability of vehicles as set up	Participants UKRO team Volunteers in Pit Area Crush injuries	Scenarios set up by experienced UKRO volunteers Pre-scenario checks completed before rotation. This includes checks on stability of vehicles/props.	Yes		

Competition – Pit area	<p>Instability of vehicles when performing extrication – manual moving of vehicles with rams/spreaders</p>	<p>Participants UKRO team, assessors Volunteers in Pit Area Crush injuries</p>	<p>Dedicated observer/safety officer for each exercise to check participants have control measures in place</p> <p>PPE – including eye protection, gloves, foot protection and helmets</p> <p>All participants in the competition are competent and experienced and expected to use standard procedures and equipment, controlling lifts. Supervision in place and the scenario will be halted if deemed unsafe.</p>			
	<p>Objects propelled due to tension/under pressure, or the way they are cut</p>	<p>Members of public Spectators Impact injuries, dust particulates causing eye injuries</p>	<p>Viewing area segregated by physical barriers at min of 2m</p> <p>Distance for barriers takes into account potential of flying objects</p>	Yes		

Competition – Pit area		<p>Participants. Assessors/volunteers</p> <p>Impact injuries, dust particulates causing eye injuries</p>	<p>Full PPE worn including eye protection</p> <p>Systems of work include peel/reveal</p> <p>Participants are competent operational fire fighters</p> <p>Assessors are supervising and will halt any unsafe working</p> <p>Signage to be fixed to entrance to Pits: 'Gateway Control - full PPE to be worn past this point'</p>	Yes		
	Batteries, electronics and hybrid vehicles	<p>Participants Assessors/volunteers</p> <p>Electric shock, unexpected movement of electric vehicles leading to crush injuries</p>	<p>Batteries are isolated</p> <p>Logistic team competent and aware of positioning of wiring</p>	Yes		Logistics team
	Manual handling of equipment and casualties	<p>Participants</p> <p>musculoskeletal injuries</p>	<p>Dedicated observer/safety officer for each exercise to check participants have control measures in place</p> <p>Competitors are competent in the subject and familiar with the risks and control measures. Fitness to</p>	Yes		

			<p>competent checked and signed on indemnity form prior to start</p>			
	<p>Handling rescue equipment – hydraulic or battery powered</p>	<p>Participants musculoskeletal injuries</p> <p>injuries from cutting or spreading – nips or traps, lacerations</p>	<p>Competitors are competent in the subject and familiar with the risks and control measures. Fitness to compete checked and signed on indemnity form prior to start</p> <p>Participants wear their appropriate PPE</p> <p>Dedicated observer/safety officer for each exercise to check participants have control measures in place</p> <p>Participants have time to familiarise themselves with tools and have a briefing by UKRO team member in tool familiarisation area</p> <p>All tools checked prior to beginning of day by competent individuals from UKRO Equipment team. Standard tests are recorded.</p> <p>Participant also completes test prior to use</p>	<p>Yes</p> <p>Yes</p>		

	Equipment falling out of locker due to temporary stowage on off-side	Participants Impact injuries	Competitors to be given safety briefing regarding different stowage - Added to safety briefing	Yes		
Use of live casualties And interior assessors	Casualties/assessors positioned in vehicle, whilst cutting/spreading or movement of vehicle takes place	Assessor acting as casualty lacerations, eye injury, crush	<p>Full PPE - protection for body, head, eyes, feet, hands, Oxygen mask used for respiratory protection</p> <p>Briefing takes place prior to scenario and positioning of assessor as casualty</p> <p>Vehicles are stabilised prior to casualty put in place by pit crew and safe systems of work in place by competitors, checked by assessors. Assessors will halt competition if unsafe practices are seen</p> <p>Where casualty is 'trapped' as part of scenario, false limbs used - no limbs positioned where there could be entrapment or crush. Close supervision from assessors in place. Pre-scenario check carried out prior to start of each rotation</p>	<p>Yes</p> <p>Yes</p>		

			<p>Competitors are competent in the subject and familiar with the risks and control measures</p> <p>Hard and soft protection in use</p>			
<p>Preparing Pit area/Setting up for next team</p>	<p>Movement of vehicles on FLT/ plant: instability of vehicles being lifted near live pit</p>	<p>Drivers, participants, Volunteers</p> <p>UKRO assessors</p> <p>Impact injuries, crush from vehicles</p>	<p>Pit Crew work on pits not in use and keep at a distance away from participants during competition. Space between pits assessed during planning. Vehicle movements are marshalled</p> <p>Safety brief for volunteers prior to start. Pit crew volunteers are competent operational staff</p>	<p>Yes</p>		
<p>Inclement weather – heavy rain, lightening, strong/gusty winds</p>	<p>Significant rain fall and/ or lightening</p>	<p>UKRO team</p> <p>Volunteers in Pit Area</p> <p>Participants</p> <p>Localised flooding slippery surfaces and difficulties handling equipment;</p> <p>Lightening with the potential to strike depending on close proximity</p>	<p>Participants are competent at handling equipment in all weathers</p> <p>Safety team will monitor the weather and UKRO will determine contingencies.</p>	<p>Yes</p>		



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	Strong or gusty winds	UKRO team Volunteering in Pit Area Participants Public Potential to blow people off their feet or move objects or debris leading to eye injuries, impact injuries	Safety team will monitor the weather and UKRO will determine contingencies. Checks on barriers and other structures	Yes		
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