

RISK ASSESSMENT OF: Extrication challenge

PREMISES

EQUIPMENT ✓

VEHICLE ✓

SYSTEM OF WORK ✓

RISK ASSESSMENT BY: H Crampton

DATE COMPLETED: 13/7/2023

DISCIPLINE LEAD SIGN OFF:

DATE FOR REVIEW: after competition

Notes:
See separate risk assessments for Logistics 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 hiviz 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	Participants UKRO team Volunteers in Pit Area Crush injuries	Pre-scenario checks completed before rotation. This includes checks on stability of vehicles/props Dedicated observer/safety officer for each exercise to check participants have control measures in place PPE – including eye protection, gloves, foot protection and helmets All participants in the competition are competent and experienced	Yes		

Competition – Pit area	Objects propelled due to tension/under pressure, or the way they are cut	Members of public Spectators Impact injuries, dust particulates causing eye injuries	Viewing area segregated by physical barriers at min of 2m Distance for barriers takes into account potential of flying objects	Yes		
		Participants. Assessors/volunteers Impact injuries, dust particulates causing eye injuries	Full PPE worn including eye protection Systems of work include peel/reveal Participants are competent operational fire fighters Assessors are supervising and will halt any unsafe working Signage to be fixed to entrance to Pits: 'Gateway Control - full PPE to be worn past this point'	Yes		
	Batteries, electronics and hybrid vehicles	Participants Assessors/volunteers Electric shock, unexpected movement of electric vehicles leading to crush injuries	Batteries are isolated Logistic team competent and aware of positioning of wiring	Yes		Logistics team

	Manual handling of equipment and casualties	Participants musculoskeletal injuries	<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 compete checked and signed on indemnity form prior to start</p>	Yes		
Competition – Pit area	Handling rescue equipment – hydraulic or battery powered	<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</p>	<p>Yes</p> <p>Yes</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 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 Volunteers in Pit Area 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>		
	<p>Strong or gusty winds</p>	<p>UKRO team Volunteering in Pit Area Participants Public</p>	<p>Safety team will monitor the weather and UKRO will determine contingencies.</p>	<p>Yes</p>		

		Potential to blow people off their feet or move objects or debris leading to eye injuries, impact injuries	Checks on barriers and other structures			
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