WRC 2025 Croatia Risk Assessment

RISK ASSESSMENT OF: Extrication challenge – Scenario Clean up

PREMISES	EQUIPMENT √	VEHICLE √	SYSTEM OF WORK √

RISK ASSESSMENT BY: Paul HAMER / Mateo TROP/David COCKBAIN **DATE COMPLETED: July 2025**

DISCIPLINE LEAD SIGN OFF: **DATE FOR REVIEW: Juy 2026**

Notes:
See separate risk assessment for Logistics vehicle preparation and Extrication Competition.

Control of public/spectators is covered by a separate risk assessment.

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
Equipment Makeup	Risk of injuries from handling heavy equipment; potential for cuts from sharp edges on tools.	Personnel involved in setting up equipment may suffer cuts, bruises, or strains.	Load-shifting equipment to be utilised as a preference to reduce manual handling injuries, formalised manual handling training to be provided; PPE including gloves and steel-toed boots worn.	Yes	Conduct a pre-use inspection of all equipment to ensure it is safe to handle; implement a team lift system for heavy lifts (up to 20kg).	**Discipline Lead**
Equipment Makeup	Risk of injuries from handling heavy equipment; potential for cuts	Personnel involved in setting up equipment may	Manual handling training provided; PPE including	Yes	Conduct a pre-use inspection of all equipment to ensure it is safe to handle;	**Discipline Lead**

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	from sharp edges on tools.	suffer cuts, bruises, or strains.	gloves and steel-toed boots worn.		implement a buddy system for heavy lifts.	
Use of Tools	Risk of tool malfunction or misuse; potential for electric shock from 240volt powered tools.	Operators and nearby personnel may face cuts or electric shock.	Only battery tools to be utilised – No 240 Volt tools to be located within the pits. Operators qualified and trained in the use of tools; tools are regularly maintained and inspected.	Yes	Conduct a pre-use inspection of all tools; ensure that only battery tools are used.	**Discipline Lead**
Scenario Breakdown	Risk of injuries from collapsing props or unstable equipment; potential for falls while dismantling setups.	Personnel involved in breakdown may sustain injuries from falling objects or slips.	Props are secured in a fundamentally stable position during dismantling; personnel are trained in safe handling techniques, exclusion zone (5 metres mobile plant and 10metres for elevated loads).	Yes	Establish clear procedures for safely dismantling props; maintain clear communication among team members during the breakdown process.	**Discipline Lead**
Cleaning of Pit Area	Presence of hazardous materials	All personnel involved in cleaning	PPE including gloves and eye	Yes	Conduct a thorough inspection of the pit	**Discipline Lead**

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	(e.g., debris, glass, carbon fibre, fluids) may cause cuts or slips.	may suffer injuries or health issues due to exposure to hazardous materials.	protection to be worn; appropriate tools provided for cleaning.		area before cleaning; use designated containers for hazardous waste disposal.	
Debris Management	Risk of cuts or injuries from handling sharp, debris or heavy objects; potential for slips on wet surfaces.	Clean-up personnel may sustain cuts, bruises, or strains.	Tools such as heavy - duty gloves, brushes and shovels are provided for debris management; PPE is required to be used at all times. Preference for mechanical sweepers and skid steer to be utilised.	Yes	Ensure all personnel are trained in safe debris handling; maintain a clear path for movement during clean-up activities, mobile plant operators to be subject to Verification of Competency (VOC) prior to using plant.	**Discipline Lead**
Environmental Hazards	Weather conditions affecting visibility and comfort during breakdown and cleaning; potential for slips and falls.	All personnel may experience discomfort or health issues related to weather conditions.	Monitor weather conditions; provide shelter and hydration as needed.	Yes	Develop and communicate contingency plans for extreme weather; ensure personnel have access to hydration and appropriate clothing.	**Discipline Lead**

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Equipment Reset	Risk of injuries from incorrect lifting or placing of equipment; potential for collisions between personnel/plant.	Personnel involved in resetting the pit may suffer from cuts or bruises.	Manual handling training to be delivered to team members, area is to be monitored by Safety Officer and Discipline Lead during reset, Exclusion zones to be complied with, Fatigue management protocols to be developed and implemented.	Yes	Conduct a pre-reset safety briefing to confirm roles and responsibilities and detail safety critical requirements; use spotters when using mobile plant (FLT, Skid Steer, Telehandlers, sweepers).	

System of Work for Equipment Makeup, Scenario Breakdown, and Cleaning/Resetting of the Pit Area

1. Objective

To establish a systematic approach for safely conducting the equipment makeup, scenario breakdown, and cleaning/resetting of the pit area following an extrication scenario.

2. Scope

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This system of work applies to all personnel involved in the equipment makeup, scenario breakdown, and cleaning/resetting of the pit area during the World Rescue Challenge.

3. Responsibilities

- **Discipline Lead**: Is accountable for ensuring that all elements of this risk assessment are complied with. Is also accountable for validating the effectiveness of the risk control measures outlined in this risk assessment to address reasonably foreseeable safety risks,
- **Command Assessor:** Responsible for confirming safe access and egress to the scenario of the **interior assessor** along with **medical casualty liaison** and working with the **Logistics Team Lead** to oversee the overall safety of the scenario.
- **Medical Casualty Liaison -** Responsible for confirming safe access and egress to the scenario of the **interior assessor** along with **Command Assessor**, ensuring IA has the correct PPE for the scenario and briefed before entering the vehicle

- **Logistics Team Leader:** Ensure that all equipment and vehicles are prepared and that safety protocols are followed. Ensuring all tooling is serviceable and fit for purpose before being allocated to the pit. Oversee the responsibilities of the **Pit Crew Lead**

- **Pit Crew Lead**: Support the **Logistics Team lead** and oversee **Pit crew** responsibilities, Ensuring the scenario is set up and broken down safely as per the instructions from the Logistics Team Lead, coordinate with **Command Assessor** to ensure all risks are appropriate as per the scenario, and additional risks are not introduced

- **Pit Crew:** Work under direction of the **Logistics Team Leader** and **Pit crew lead** to ensure scenario is set up and broken down safely, tooling moved around pit appropriately, any damaged tooling or equipment is checked before use and reported to the **Logistics Team Lead**, Props and Vehicles are moved around site safely and within the appropriate safety protocols, safety barriers remain in place and movement of staff around the site is monitored, hazards are removed or isolated

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- **Safety Officer:** Shall monitor compliance of all operations ensuring that all risk control measures to address documented reasonably foreseeable safety risks are fully implemented. Shall conduct pre-start briefings, inspect all mobile plant and ensure that all personnel are technically competent to perform the work of their assigned role and are wearing appropriate PPE.

4. Procedures

4.1 Pre-Scenario Briefing

- Conduct a briefing for all personnel involved in the equipment makeup, scenario breakdown, and cleaning/resetting activities, covering:
  - Critical Safety Risks
  - Mandatory Exclusion zones – 5 metres for moving plant and 10 metres for elevated loads
  - Roles and responsibilities of each team member.
  - Overview of the process, including timelines and objectives.
  - Key hazards identified and corresponding control measures.
  - Emergency procedures and communication protocols.

4.2 Personal Protective Equipment (PPE)

- Ensure all personnel are equipped with the necessary PPE:
  - Safety glasses for eye protection.
  - Cut-resistant gloves for hand protection.
  - Steel-toed boots to protect feet.
  - High-visibility vests for clear visibility.

4.3 Equipment Makeup

- Set up equipment following safe practices:
  - Conduct pre-use inspections of all equipment to ensure they are in safe working condition.

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- Use appropriate lifting techniques and mechanical load-shifting equipment for heavy loads.
- Implement a buddy system for lifting and moving heavy items to minimize strain and injury.

4.4 Use of Tools

- Ensure safe handling and usage of tools:
  - Confirm that all operators are trained in the use of mobile plant and equipment.
  - Conduct pre-use inspections to check for defects or hazards.
  - Ensure that no 240Volt powered tools are used in any of the pits and that appropriate safety measures are in place for use of battery tools.

4.5 Scenario Breakdown

- Follow safe procedures for breaking down the scenario:
  - Secure all props and equipment to prevent collapse during dismantling.
  - Conduct a risk assessment of the area to identify all foreseeable safety risks/hazards before beginning breakdown activities.
  - Communicate the safety risks and the risk control measures required for te safe performance of work to all team members.
  - Maintain clear communication among team members during the breakdown process to ensure safety.

4.6 Cleaning of the Pit Area

- Conduct thorough cleaning of the pit area:
  - Inspect the area for hazardous materials (e.g., glass, debris, fluids) before cleaning.
  - Use where practicable mobile plant (sweepers and skid steer loaders)
  - Use appropriate tools for cleaning, such as brooms, shovels, and containers for waste disposal.
  - Ensure all personnel wear PPE to protect against cuts or exposure to hazardous materials.

4.7 Debris Management

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- Manage debris safely:
  - Designate areas for debris collection and ensure that sharp or hazardous materials are disposed of correctly.
  - Use proper lifting techniques when handling heavy debris.
  - Keep pathways clear to prevent slips, trips, and falls during the cleaning process.

4.8 Equipment Reset

- Safely reset the pit area for future use:
  - Confirm that all equipment is returned to its designated location following cleaning.
  - Conduct a final inspection of the area to ensure it is safe and clean.
  - Review the setup with the command assessor to ensure compliance with safety protocols.

4.9 Communication Protocols

- Establish effective communication systems among all personnel:
  - Utilise radios (Preference) or if radios are not practicable hand signals to facilitate clear communication during activities.
  - Encourage personnel to report any unsafe practices or hazards immediately.
  - Ensure all team members are familiar with emergency signals and procedures.

4.10 Continuous Monitoring and Feedback

- Maintain ongoing monitoring of health and safety throughout the process:
  - The safety officer should observe all activities being undertaken and ensure compliance with safety measures.
  - No mobile plant shall be used without the Safety Officer in the pit and supervising compliance and operations
  - Encourage regular feedback sessions to address any concerns or observations.

4.11 Post-Activity Debriefing

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- Conduct a debriefing session after the activities are completed:
  - Discuss successes and challenges experienced during the makeup, breakdown, and cleaning processes.
  - Gather feedback from all participants to identify areas for improvement.
  - Document any incidents or near misses for future reference.

5. Training and Competency

- Ensure that all personnel involved in equipment makeup, scenario breakdown, and cleaning have received adequate training, including:
  - Safe operation of mobile plant
  - Equipment and prop handling procedures.
  - Manual handling and safe lifting techniques.
  - PPE use and hazardous materials management.

6. Monitoring and Review

- Regularly review and update this system of work to reflect changes in processes, equipment, or safety regulations.
- Conduct periodic audits to ensure compliance with this system of work and identify opportunities for improvement.

Risk Assessment Author	Date	Role	Approved	Amendments required	Amendments actioned
Paul HAMER / Mateo TROP	July 2025	Deputy Extrication Lead / Croatia Lead	Yes		
David COCKBAIN	August 2025	H&S Lead	Yes	Tracked Changes	

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				Applied	
		Discipline Lead			
		Director Of Operations			