



## Energy Education Australia Inc Risk Management Assessment

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Prepared for Energy Education Australia Incorporated by:

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Vehicle:

Vin #

For this assessment please read:

- Competition Area as:
  - any location within Australia
- Paddock as:
  - Any location between the advertised event start and completion point along the traveling route where the vehicle and association members might stay over night
  - Any location between the advertised event start and completion point along the traveling route where EEA members and associated vehicles enter a check point or encounter a change over of drivers or support vehicles refuel etc.
- Spectator Area as:
  - Any location in the advertised event start and completion point or between these two locations where the general public or other interested parties can view or discuss the vehicle.

The following four CAMS Targeted Risk Assessments were used

Likelihood		Consequence
<b>A – Almost certain</b>	Action will probably occur numerous times or in many circumstances	4 – Major Consequence
<b>B - Likely</b>	Action may occur occasionally or in some circumstances	3 – Moderate Consequence
<b>C – Possible</b>	Action may occur in exceptional circumstances and has been known to occur elsewhere	2 – Minor Consequence
<b>D - Unlikely</b>	Whilst theoretically possible, it is not known to have occurred	1 – Insignificant Consequence

# Energy Education Australia Inc – Risk Analysis Assessment

Risk Type	Possible Hazard	Initial Assessment			Area of Risk			Possible Controls
		Likelihood	Consequence	Risk Score	Competition Area	Paddock Areas	Spectator Areas	
<b>1. Fire Explosion</b>								
	Vehicle Fire	C	1	Low	✓			<ul style="list-style-type: none"> <li>• Car checked daily prior to competition for potential fire hazards</li> <li>• Officials/Competitors informed of location of fire extinguishers</li> <li>• Adequate fire extinguishers available within easy reach</li> <li>• Immediate stop and evacuation</li> <li>• Call emergency services if required</li> </ul>
	Fuel Fire	C	2	Medium	✓	✓		<ul style="list-style-type: none"> <li>• No smoking or naked flames in any areas where fuel may be stored</li> <li>• Limit how much additional fuel is needed and where stored</li> <li>• Create a designated refueling area supervised by Safety Officer(s)</li> <li>• Free standing fire extinguishers to be held within reach during refueling ensuring the correct type is at hand for the hazard</li> <li>• All team members briefed on refueling rules at original debrief and all updates</li> </ul>
	Grass/Bush Fire	C	2	Medium	✓	✓	✓	<ul style="list-style-type: none"> <li>• Establish an emergency evacuation point</li> <li>• Discuss evacuation plan at original debriefing and update regularly based on terrain</li> <li>• Liase with Global Green Challenge Safety Officer for all updates</li> <li>• Be aware of State Emergency Services and local Fire Brigade locations for the area team is travelling through</li> </ul>
	BBQ Fire	D	3	Medium		✓	✓	<ul style="list-style-type: none"> <li>• BBQ to be located in an area away from fuel</li> <li>• BBQ to be set up on firm level ground</li> <li>• Be aware of any fire restrictions (Total Fire Bans)</li> </ul>
<b>2. Equipment</b>								
	Trailers blocking traffic	B	2	High		✓	✓	<ul style="list-style-type: none"> <li>• Designate a trailer park - firm and flat ground</li> <li>• Safety Officer prior to event to designate area(s) suitable</li> </ul>
	High pressure propellant cylinders	D	4	High	✓	✓		<ul style="list-style-type: none"> <li>• Cylinders to remain upright and secure at all times-they must be secured at a point approximately 2/3 of its height using appropriate material -chain, wire cable or commercially available cylinder straps</li> <li>• All operators of cylinders to be trained in its use.</li> <li>• When receiving gas cylinders: <ul style="list-style-type: none"> <li>○ Check for leaks</li> <li>○ Visually inspect the cylinder for damage</li> <li>○ Ensure the valve cover and shipping cap is on.</li> <li>○ Check for labelling of cylinders - for gas identity and use tags on cylinders to inform of status.</li> <li>○ When moving cylinders don't drag roll, or slide-use a trolley</li> </ul> </li> <li>• Cylinders should be segregated by hazard class, and must be separated from flammable gasses by 20 feet</li> </ul>
	Vehicle falling off stand or jack	C	4	Extreme	✓	✓		<ul style="list-style-type: none"> <li>• All mechanical work to be carried out on flat firm surfaces</li> <li>• Unlifted wheels to be chocked</li> </ul>
<b>3. Dangerous Goods</b>								
	Fuel Spillage	C	3	High	✓	✓		<ul style="list-style-type: none"> <li>• Support vehicles to be refueled in public service stations</li> <li>• Small generator sets to be refueled in designated areas as defined by Safety Officer with appropriate fire extinguisher presence</li> <li>• All equipment must be turned off before being refueled and fire extinguishing present if applicable.</li> <li>• If spill occurs, Safety Officer to be notified of location and may need to be cordoned off</li> </ul>

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4. Mechanical							
	Vehicle breakdown	C	2	Low	✓		<ul style="list-style-type: none"> <li>Recovery vehicle to be on standby</li> <li>Recovery vehicle to have towing / cartage capabilities</li> <li>Adequate tools be available for minor roadside repairs in designated areas approved by Safety Officer(s) or Event Organisers</li> </ul>
5. Cuts/Burns/Trips							
	Burns from BBQ's	D	3	Medium	✓	✓	<ul style="list-style-type: none"> <li>People cooking to wear long sleeves, long pants – use tongs and gloves.</li> </ul>
	Trip hazards	C	1	Low	✓	✓	<ul style="list-style-type: none"> <li>Ensure vehicle is stationary before attempting to enter or egress vehicle</li> <li>When loading/unloading vehicle on trailer ensure clear radius around ramp is maintained</li> </ul>
	Slips	C	2	Medium	✓	✓	<ul style="list-style-type: none"> <li>Pit crew to be suitably attired with footwear</li> <li>Ensure pit area is correctly maintained – use signage where appropriate</li> </ul>
	Cuts/Splinters	D	1	Low	✓		<ul style="list-style-type: none"> <li>Awareness of environmental surroundings</li> </ul>
6. Sprains							
	Setting up/down array stand	C	2	Medium		✓	<ul style="list-style-type: none"> <li>Ensure stand is on firm level ground before attempting to install array</li> <li>When loading/unloading vehicle on trailer ensure clear radius around stand is maintained</li> </ul>
7. Falls from Height							
8. Vehicle Collision							
	Cars colliding with cars	C	3	High	✓	✓	<ul style="list-style-type: none"> <li>Observance of all relevant state and commonwealth road rules and a general awareness when stabling for over night stops.</li> </ul>
	Cars colliding with stationary objects	C	2	Low	✓	✓	<ul style="list-style-type: none"> <li>Observance of all relevant state and commonwealth road rules and a general awareness when stabling for over night stops.</li> </ul>
	Cars colliding with native fauna	C	2	Low	✓		<ul style="list-style-type: none"> <li>Observance of all relevant state and commonwealth road rules</li> </ul>
9. Debris Strike							
10. Crush							
	Collapse of trailer doors	C	3	Medium		✓	<ul style="list-style-type: none"> <li>Ensure all open doors are locked/secured in position</li> </ul>
11. Public Safety							
	Static Displays (Paddock Area)	D	1	Low		✓	<ul style="list-style-type: none"> <li>Isolation switch turned off</li> <li>Monitor public activity</li> </ul>
	Children	C	3	High	✓	✓	<ul style="list-style-type: none"> <li>Children to be kept in tight groups of less than ten and under the care of an adult</li> </ul>
12. Medical							
	Bites and Stings	C	3	Medium	✓	✓	<ul style="list-style-type: none"> <li>Be aware of seasonal biting insects and fauna activities</li> <li>Wear enclosed foot wear</li> <li>Wear long pants from dusk to dawn or suitable insect repellent</li> </ul>
	Reporting of Injuries	C	2	Medium	✓	✓	<ul style="list-style-type: none"> <li>All injuries to be reported to First Aid and or Safety Officer</li> </ul>
	Patient Care	C	2	Medium	✓	✓	<ul style="list-style-type: none"> <li>Have medical plans in place as per SS Kelly Emergency and Evacuation Guide</li> </ul>
13. Electrical							
	SS Kelly	B	4	High	✓	✓	<ul style="list-style-type: none"> <li>Comply with written start up and shut down procedures</li> <li>Comply with battery charging procedure</li> <li>Comply with solar array charging procedure</li> <li>Display CAUTION signage when recharging batteries</li> </ul>
	Portable Gen Sets	C	3	Medium		✓	<ul style="list-style-type: none"> <li>Compliance with Federal, State, Territory and Local Authority regulations</li> </ul>