



Method

The simple matrix illustrated can be used to assess the level of risk by a particular hazard.

Level of Harm

1. **Slightly harmful** – The injured party requires First Aid treatment eg superficial injuries (bumps and knocks), minor cuts and bruises, ill health leading to temporary discomfort. This level of injury is unlikely to result in absence from school or work.
2. **Harmful** – The injured party requires more than First Aid treatment eg visit to Hospital A & E or General Practitioner. Injuries might include lacerations, burns, concussion, serious sprains or minor fractures. Such injuries are likely to result in absence from work or school.
3. **Extremely Harmful** – Injuries including amputations, major fractures, poisoning, multiple or fatal injuries. Such injuries are likely to result in absence from work or school for extended periods.

Probability

1. **Likely** – Only one event – one thing going wrong resulting in harm or the potential for harm arising.
2. **Unlikely** – More than one event must occur at the same time to cause harm or the potential for harm arising.
3. **Highly Unlikely** – More than two events must occur at the same time to cause harm or the potential for harm arising.

Risk assessment matrix

	Slightly Harmful	Harmful	Extremely Harmful
Highly Unlikely	Trivial Risk	Tolerable Risk	Moderate Risk
Unlikely	Tolerable Risk	Moderate Risk	Substantial Risk
Likely	Moderate	Substantial Risk	Intolerable Risk

ACTION / CONTROL MEASURE

1. **Trivial Risk** – No action required
2. **Tolerable Risk** – No action required but monitor and review
3. **Moderate Risk** – Efforts should be made to reduce the risk. When moderate risk is associated with Extremely Harmful then additional control measures must be put in place to reduce the risk.
4. **Substantial Risk** – The activity must not commence until the risk is reduced.
5. **Intolerable Risk** - The activity must not commence until the risk is reduced. If it is not possible to reduce the risk the activity may have to remain prohibited.

Risk Assessment - Equipment

Hazard	Existing Control Measures	Harm	Probability	Risk	Actions Required	Acceptable (Y/N)
Not anchored Correctly	Trained Staff	Extreme	Highly Unlikely	Moderate	Operators to check anchors on setup and during operation	Y
Incorrect Inflation Pressure	Trained Staff	Harmful	Highly Unlikely	Tolerable Risk	Operators to check inflation pipes during operation	Y
Trip Hazard on Ropes or anchor points	Trained Staff	Harmful	Highly Unlikely	Tolerable Risk	Operators to ensure that anchor pegs are flush with ground during operation and all trip hazards are clearly marked or surrounded by fencing	Y
Trip on Power cables	Trained Staff	Slight	Highly Unlikely	Trivial Risk	Operators to ensure all power cables are stored neatly and routed away from public walkways or covered to prevent trip	Y
Failure of Inflatable	Trained Staff, Testing	Extreme	Highly Unlikely	Moderate	Staff to inspect equipment for potential failure before and during operation. Equipment to be disabled should any concerns be identified	Y
Failure of Electrical Supply	Trained Staff	Harmful	Highly Unlikely	Tolerable Risk	Staff to ensure that power cables are connected to an robust power source of sufficient rating. Where Generators are used, fuel level should be inspected to ensure a sufficient amount is available for the duration of operation.	Y
Overheating of Electrical Equipment	Trained Staff, Inspections	Extreme	Highly Unlikely	Moderate	Staff to inspect all electrical connections and cables before use and ensure that PAT test dates have not expired. Cable reels are to be fully unwound to prevent overheating. Blower motors are equipped with over temperature protection.	Y
Generator Power	Trained Staff, Barriers	Extreme	Unlikely	Substantial	Site at least 1m from any object and at least 3m from any flammable object. Also to be separated from general public by at least 2m using barrier fencing or similar. Fire extinguishers shall be positioned with generators during operation.	Y
Wind Speed	Trained Staff	Extreme	Highly Unlikely	Moderate	Wind speed to be checked on Met office forecast and must not exceed 24mph. Drivers to check wind speed with anemometer.	Y

Diesel	Trained Staff, Equipment	Extreme	Unlikely	Substantial	Diesel to be stored in closed containers approved for purpose at least 3m from any possible source of ignition. Operators to ensure that containers remain closed except during refuelling and any potential sources of ignition are extinguished before container is opened.	Y
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Risk Assessment - Users

Hazard	Existing Control Measures	Harm	Probability	Risk	Actions Required	d
Boisterous Behaviour	Trained Staff	Extreme	Highly Unlikely	Substantial	Signs to be stationed in view of general public outlining acceptable behaviour. Operators trained in behavioural guidelines and techniques to prevent hazardous behaviour and equipped with whistles to quickly alert users.	Y
Mixed Sizes	Trained Staff	Extreme	Highly Unlikely	Moderate Risk	Operators trained to regulate customers to prevent mixing of sizes	Y
Incorrect Bouncing	Trained Staff	Extreme	Highly Unlikely	Moderate Risk	Operators trained to stop and rectify any incorrect behaviour	Y
Aggressive behaviour	Trained Staff	Harmful	Highly Unlikely	Tolerable Risk	Operators trained to defuse aggressive behaviour	Y
Alcohol	Trained Staff	Extreme	Highly Unlikely	Moderate Risk	Operators trained to identify users who are incapable of safely using the equipment and prevent use	Y
Falling	Trained Staff, Equipment	Extreme	Highly Unlikely	Moderate Risk	Matting of at least 50mm thickness positioned to cover at least 1.2m of hard surface from any hazardous edge	Y
Gladiator Duel	Trained Staff, protective equipment	Extreme	Highly Unlikely	Moderate Risk	Protective headgear and padded battens provided to public. Correct fitting is checked by operator before use. Equipment inspected by trained inspector before use for suitability and by operator before use.	Y
Slides	Trained Staff, Guidelines	Extreme	Unlikely	Substantial Risk	Clear guidelines displayed and issued to children and carers before use. Equipment inspected by approved inspector to ensure safety compliance. Operators trained to identify likely	Y

					children likely to jump down or misbehave and warn them of consequences. Silicone lubricant issued to prevent friction burns and clear guidelines given on use.	
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RISK ASSESSMENT CARRIED OUT BY: Ben Golledge

DATE: 10/02/2023

ANY OTHER ACTION REQUIRED: