Risk Assessment for the Mobile Laser Tag System.

Hazard	Control Measures	Risk Level	Recommendation
Playing Area Risk Assessment			
Material and Plastics.	Materials used Extinguish.	Low.	PVC Manufacturer to supply fire certificates for the Material.
Cables and power supply.	All power cables made In-accessible to non authorised persons.	Medium.	All areas containing power cables to be cordoned off with high visibility barriers.
Foreign Objects.	Regular inspections of the playing area to remove any objects that have been dropped by players.	Low.	Players will be allowed to leave personal possessions outside the playing area at their own risk.
Problem Players.	Operators will monitor the games to deter anyone with intention to cause damage to the equipment or inflict harm on anyone.	Medium.	Problem players will be noted by the operators and refused future participation in the interests of Health and Safety. On site security (if any), will be informed of the offending persons.
Weather Conditions	The inflatable arena will be anchored at all times by the pegs supplied.	Low.	Operators will use their discretion concerning weather conditions.
Operational Risk Assessment			
Tripping Hazards Internal	Users of the equipment will be informed of raised areas inside the inflatable, and advised accordingly.	Low.	Operators will brief players on safety before being allowed to play.

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Tripping Hazards External	All pegs used to secure the inflatable will be flush with the ground when possible and within the cordoned off area.	Low.	Regular checks made by operators during operation of equipment
Special effects	Fog added to enhance the game will be harmless to players.	None.	Manufacturer to supply Health and safety product data report.
Physical Contact	Because of the darkened playing area, players will be told not to run, hide the laser gun or lie down prior to the start of the game.	Low.	Operators will brief players on safety issues before being allowed to play.
Infra Red Emissions	There are no regulations of low powered infra red emissions.	None.	None.
Power failure (Generator)	Generators will be serviced to the manufacturer's recommendation. Fuel levels to be checked hourly when generators are in use.	Medium	All operators will know the evacuation procedure in case of power failure. Evacuation Document can be supplied by manufacturer on request.
Entry and Exit	Sufficient space will be left outside the entrance/exit to allow the players to enter and exit unhindered at the start and at the end of the games.	Low	Operators will keep the area clear of all unnecessary persons and equipment at all times during the operation of the system.
Lighting	All lighting used in the arena will be of no greater voltage than 24V DC. All transformers will be situated outside of the playing area and cordoned off.	Low	Xtreme Vortex can supply Low Voltage lights or recommend types of lighting that is safe to use.

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Infants	Younger children that are afraid of the dark will be allowed to be accompanied by an adult or allowed to exit before the game ends.	Low	The exit is to be made highly visible to anyone inside the inflatable. Operators will be aware that some people will not want to take part. Operators will allow people to inspect the playing area before the game to see if it is suitable.
EMC Emissions. (Electro Magnetic Force).	Laser gun electronics are completely housed in a steel chassis which has a polarity of 0 volts; this attenuates all EMC emissions to the relevant specifications.	Low	None
Laser emissions	Laser modules will be class 2 and emit a laser beam < 1mW in power and is acceptable for use by the public.	Low.	Manufacturer of the equipment can supply data sheet on lasers used if required.
Laser guns	To avoid collisions the laser guns use ultra bright LED's to promote high Visibility. Any damaged guns will be taken out of use immediately.	Low.	Regular inspections by operators to ensure good condition of laser guns