

SLAMMIN EVENTS - RISK ASSESSMENT CONSIDERATIONS



RISK ASSESSMENT

COGO 2023

DRAFT

HSE’s- Principles of sensible risk management

Sensible risk management IS about:

- ✓ Ensuring that workers and the public are properly protected
- ✓ Providing overall benefit to society by balancing benefits and risks, with a focus on reducing real risks both those which arise more often and those with serious consequences
- ✓ Enabling innovation and learning, not stifling them
- ✓ Ensuring that those who create risks manage them responsibly and understand that failure to manage real risks responsibly is likely to lead to robust action
- ✓ Enabling individuals to understand that as well as the right to protection, they also have to exercise responsibility

Sensible risk management is NOT about:

- ✗ Creating a totally risk free society
- ✗ Generating useless paperwork mountains
- ✗ Scaring people by exaggerating or publicising trivial risks
- ✗ Stopping important recreational and learning activities for individuals where the risks are managed
- ✗ Reducing the protection of people from risks that cause real harm and suffering

Risk Rating

For the purposes of this document a risk rating has been used to determine the level of control measure required. The Risk rating is calculated by taking the **Likelihood** of a particular hazard occurring and multiplying it by the **Severity** of the potential outcome of that particular hazard.

X	Likelihood						Likelihood Measures	Severity Measures
Severity	1	2	3	4	5		1 – Unlikely	1 – Minor injury or damage
1	1	2	3	4	5		2 – Possible	2 – Injury or damage to property
2	2	4	6	8	10		3 – Likely	3 – Injury (under 7 days); serious damage to property
3	3	6	9	12	15		4 – Very likely	4 – Serious Injury (over days)
4	4	8	12	16	20		5 – Constant	5 – Death
5	5	10	15	20	25			

Risks with a residual rating of 15 (red) or more are considered to need immediate remedial action or an alternative method of provision in that area.
 Risks with a residual rating of 8 to 12 (amber) require constant monitoring and review.
 Risks with a residual rating below 8 (green) will be occasionally monitored.

BUILD & BREAK RISK ASSESSMENTS										
No	HAZARD	PEOPLE AT RISK	WHAT MIGHT HAPPEN	RATING			CURRENT CONTROLS	FURTHER PRECAUTIONS	RESIDUAL RISK	WHO IS RESPONSIBLE
				L	S	R				
1	Access	All staff	Staff become disorientated in an unfamiliar environment	2	5	10	Staff briefings include gridded site plans and orientation notes. Time to walk round and familiarize staff with layout.	Toolbox talks will reinforce the landmarks around the site, areas beyond our control and use of gridded plan	L	SLAM
2	Deliveries and works across public pedestrian routes	Public and staff	Slips, trips falls Struck by moving equipment	4	5	20	Deliver and unload outside peak hours where possible. Supervisor/spotter to be used. Barriers and signage where appropriate.	Staff briefed to be aware. Hi-viz clothing when working on roads near entrances. During the build and derig there are no public rights of way across the work area and fencing will be employed to prevent wandering.	M	SLAM Contractors
3	Vehicle and pedestrian mix when loading or unloading	Public	MOTP struck by moving vehicle	4	5	20	Deliver and unload outside peak hours where possible. Banksmen used in all manoeuvres.	Stewards to encourage route around the working areas. During the build and derig there are no public rights of way across the work area and fencing will be employed to prevent wandering.	M	SLAM Contractors

4	Staff working on and off the highway	Staff and Public	Staff loading or unloading vehicles moving from pavement to road may be struck by passing vehicles	4	5	20	Staff briefed to be aware. Hi viz clothing as standard in roadway	Where possible ensure all work takes place well inside the site which is public-free for the build.	M	Contractors SLAM
5	Emergency Egress	All staff and visitors	Staff unable to escape in emergency	2	5	10	The site is wide and open. Orientation maps provided.	Toolbox talk to identify egress routes	L	SLAM
6	Access Routes	All staff and visitors	Slips trip and falls due to poorly managed equipment	3	4	12	All Cables and equipment will be securely fixed. Where possible cables will be run away from public areas; where this is not possible cables will be buried or appropriate cable management, ramps and matting will be used.	H&S Advisor should tour the site regularly to ensure all cables are well routed and sensitive areas are secure.	L	Contractors SLAM
7	Access / Egress Routes	All staff and visitors	Routes blocked by equipment, dead cases, waste	3	5	15	Suitable storage will be identified at the start of the build. All dead cases will be removed to storage or to trucks.	Waste will be collected during build. H&S Advisor will check routes regularly.	L	Contractors SLAM
8	Accidents (First Aid)	All staff and contractors	Any minor incidents that may need to be dealt with on site.	2	4	8	First Aid Provision on site in line with general requirements.	Contractors may have their own first aid kits. There will be a system of recording all accidents.	L	SLAM Contractors
9	Waste/Litter	All staff and visitors	Waste and litter collecting as a fire/trip hazard. Attracts vermin.	4	3	12	All contractors to remove their own waste from site.	Site cleansing to be arranged before, during and after by SLAM contractor.	L	SLAM Contractors

10	Major Incident	All staff and visitors	Panic in the event of a major incident	4	5	20	There will be an agreed evacuation procedure. There will be agreed marshalling points away from the main work area.	Staff will be briefed at start of work. All on site will be inducted for safety.	M	SLAM
11	Inappropriate behaviour	Contractors	Rowdy, lewd, unsafe conduct by contractor or staff	2	4	8	Contractors briefed as to what is expected of them. Contractors chosen for previous performance or references.	H&S Advisor to "patrol" site to ensure safe procedures and systems of work.	L	Contractors SLAM
12	Manual Handling	Staff & Contractors	Heavy loads distributed over a wide area leading to injuries and fatigue	4	4	16	All areas pre-defined and appropriately marked to minimise double-handling and moving of compounds.	Crew to start early to enable early preparation of all areas.	M	Contractor SLAM
13	Work at Heights	Contractors	Danger of falling or falling objects	3	5	15	Where possible staff will not work at height for long periods. All equipment assembled and tested at low level.	Ladders provided on site or by contractors will be inspected by the H&S Advisor	M	Contractors Sygma
14	Excessive Hours	All staff and contractors	Overworking staff may lead to accidents through fatigue or may lead to poor decision making	4	5	20	Staff and contractors will have a detailed schedule of events. This will include many breaks and times for dinner breaks, etc. All contractors will be responsible for their own staff.	Rest areas and refreshments provided on site.	M	SLAM Contractors
15	Fire or other evacuation	All staff, contractors	Panic or lack of movement from staff in the event of an emergency	4	5	20	There will be an agreed evacuation procedure.	Toolbox talks will confirm emergency procedures.	M	SLAM

							There should be agreed marshalling points away from the main work area.			
16	Noise	All staff, contractors and public	Excessive sound levels damaging ears	3	3	9	Sound engineer in control of sound levels on PA.	HSE Action levels will be adhered to for all other machinery.	L	SLAM Contractor
17	Communication breakdown	All staff, contractors	Need to relay messages to staff could be compromised	3	5	15	Radio system available for management and contractors; tested across whole site.	Mobile phone numbers for key personnel held on file.	M	SLAM
18	Mechanical Handling	All staff, contractors and public	Injury to persons and damage to property from poorly handled machinery	3	5	15	All drivers to be qualified in the equipment they are controlling. Contractors to supply credentials	Speed limit on site 10mph – 5mph/dead slow when pedestrians nearby.	L	Contractors SLAM
19	Ladders – climbing	All staff involved	Fall of person	3	5	15	Ladders set at correct angle Ladders footed when in use Only industrial specification ladders allowed on site	Competent and trained staff only to use ladders	L	Contractors SLAM
20	Ladders – carrying equipment	All staff involved	Fall of materials, equipment and tools	2	5	10	Mechanical use of lifting equipment where possible	Operatives will only carry small items in shoulder bag/tool belt	L	Contractors SLAM
21	Step Ladders	All staff involved	Fall of person (eg mounting radio aerial)	3	5	15	Legs of steps positioned at maximum width extension as per manufacturers guidelines	Knees within stiles and below top step at all times	M	Contractors SLAM

22	Ladders – working at height	All staff involved	Fall of person	3	5	15	Trained and competent staff Ladders used for short term work as per HSE Guidance	3 points of contact wherever possible Ladders positioned to avoid overreaching	M	Contractors SLAM
23	Use of Hand Tools	Staff using tools	Damaged or inappropriate tool leading to cuts,etc	3	4	12	Correct tool for job to be specified Damaged tools rejected	Only trained staff to use tools	L	Contractors SLAM
24	Electrical Hand Tools	Staff using tools	Electric shock	3	5	15	Visual inspection before use Damaged tools rejected	Reduced Voltage and battery tools preferred	L	Contractors SLAM
25	Use of FLT and Telehandler	All in vicinity	Dropped loads, struck staff, struck property	3	5	15	Competent staff with appropriate credentials. Work areas closed to wandering staff and public. Plant hired from reputable suppliers.	Hi-viz specified across site to aid drivers. Plant to have flashing beacon to alert others. Banksmen to be used when appropriate. Daily checks of equipment.	M	SLAM Contractors
26	Use of MEWPs and Cherry Pickers	All in vicinity	Falls from height, struck staff, Struck property, Crush below	3	5	15	Appropriate competency for all users. PPE Specified – harness in Cherry Picker. Loose tools in bags or on lanyards. Banksmen when moving.	Overhead obstructions assessed. Audible alarm on moving and lowering. Clear space around operating equipment	L	SLAM Contractors

Operations Risk Management

No	Hazards	What Might Happen	People at risk	Risk Rating			Control Measures	Further Controls	Residual Risk	Responsibility
				S	L	R				
27	Crush	Crush injury	<ul style="list-style-type: none"> Public 	5	3	15	<ul style="list-style-type: none"> Audience monitored to detect any problems Emergency Action Plan (EAP) to deal with such issues Security to monitor main event areas 	CCTV in main control room (TBC) Spotters and competent crowd management staff deployed – policy developed.	L	SLAM
28	Lost/vulnerable adults or children	Disorientation or distress	<ul style="list-style-type: none"> Public 	4	3	12	<ul style="list-style-type: none"> 18 plus event Safeguarding policy being developed Information Point 	DBS checked staff Missing/Found policy and area	L	SLAM
29	Dogs not under control or supervision - Bites, falls, trips	Bites, falls, trips	<ul style="list-style-type: none"> Contractors Performers Public Staff 	3	3	9	<ul style="list-style-type: none"> Security to ensure that all dogs that enter the sites are placed on a lead and remain on it whilst in the Event areas 	Only guidance/assistance dogs allowed	L	SLAM
30	Electricity	Electrocution	<ul style="list-style-type: none"> Contractors Performers Public Staff 	5	3	15	<ul style="list-style-type: none"> All individual contractors own power supplies to be checked as appropriate All electrical systems should be constructed and maintained in a condition suitable for use in the open air and will be protected as necessary by 30mA residual current circuit breakers. All generators, distribution boxes etc to be away from public 	Cables run away from public areas. Matting and ramps to prevent trip hazards Generators from reputable supplier	L	SLAM

							<ul style="list-style-type: none"> ▪ Power supplier to deal with any problems should they arise ▪ Electrical installations to be undertaken and certified by the power supplier. ▪ Power supplier available to deal with any issues that arise ▪ Portable tests to be examined and certified 			
31	Hazards from the need to evacuate due to a bomb or other CT threat, disorderly behavior, fire, flood/ storm, medical, overcrowding, robbery, restrictions on access for tenders, structural failure, violence and assault	Various	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	5	3	15	<ul style="list-style-type: none"> ▪ EAP developed, agreed and communicated (subject to nature of incident) ▪ Emergency announcements over PA (or loud hailers) to give instructions to the public in event areas ▪ Emergency access/exit routes to be stewarded – but these are the normal urban streetscape ▪ Ensure an accessible red route(s) are available to emergency service vehicles at all times ▪ Evacuation strategy to be dependant on nature of incident (the principle will be to separate the hazard and to ensure the exit routes are available and safe) 	<p>Latest actions advice to be included in induction and briefing.</p> <p>Event to engage with Police and emergency Planning through SAG.</p> <p>Festival to discuss threat levels and intel with Police in lead up to event.</p> <p>Run, Hide, Tell info to be shared with staff.</p> <p>Entry queues are within the park in an area of no vehicle access.</p>	M	SLAM

32	Illness/injury and/or lack of welfare facilities	Various	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	4	4	16	<ul style="list-style-type: none"> ▪ Each contractor provides their own first aid provision as per the Health and Safety (First Aid) Regulations ▪ Emergency services called on 999 if required ▪ First aid provision as detailed in Event Management Plan ▪ NHS A & E informed by medical supplier as detailed in Event Management Plan ▪ Toilet facilities provided as detailed in the Event Management Plan 	<p>Private medical provider will have medics, first aid and patient transport on site to reduce burden on the NHS.</p> <p>Deployment will be based on risk assessment and evidence of previous Slammin events.</p>	L	SLAM
33	Falls, slips and trips	Various depending on outcome of hazard	<ul style="list-style-type: none"> ▪ Contractors ▪ Public ▪ Staff 	4	4	16	<ul style="list-style-type: none"> ▪ Cable runs to be minimised ▪ Ground conditions to be monitored by Event Safety Advisor and to cordon off slippery/uneven areas and/or evacuate site if required 	There are many good, hard-standing routes and paths around the site. Additional trackway and matting will be added as required.	L	SLAM
34	Access to site for all	Ensuring those with disabilities have the same access as all others	<ul style="list-style-type: none"> ▪ Contractors ▪ Public ▪ Staff 	3	3	9	<ul style="list-style-type: none"> ▪ All entrances will be level and compacted ground or temporary solid surface for access of wheelchairs and those with mobility issues. ▪ Staff at all entrances will be sensitive to the needs of all. ▪ All stages should be viewable by all – where this is not the case, 	<p>Bars/catering encouraged to have lowered sections for service.</p> <p>Sanitary facilities will include wide access facilities.</p> <p>Welfare facilities to be mindful of the needs of disabled visitors.</p> <p>All visitors treated equally well – good customer service.</p>	L	SLAM

							additional structures may be erected.			
35	Collapse of a temporary structure	Muscular skeletal injuries	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	5	2	10	<ul style="list-style-type: none"> ▪ All structures to be erected by approved contractors who will have provided method statements and/or risk assessments and been vetted in advance by the Event Safety Coordinator ▪ Event Safety Coordinator to monitor to ensure design limits not exceeded. A completion certificate will be issued by the contractor on handover. Where deemed necessary structural calculations will be approved by a structural engineer. ▪ Site security to prevent unauthorised access 	Each contractor erecting a structure will provide a completion certificate to the organisers which will be held on file – this will include an emergency contact number.	L	SLAM Contractors
36	Contamination and fires	<p>Damage/ injuries from fire or smoke to persons and/ or property</p> <p>Illness from contamination</p>	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	4	3	12	<p>Appropriate waste disposal facilities to be provided across the site</p> <ul style="list-style-type: none"> ▪ Waste to be cleared away regularly 	SLAM Waste team to provide litter pick and waste removal facilities	L	SLAM
37	Violence and aggression	Assault, disturbance and violence	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	5	2	10	<ul style="list-style-type: none"> ▪ No lone working at site ▪ Procedure for dealing with violence and aggression in EAP ▪ SIA security on site 	Slammin does not have any significant history of violent behaviour at its events and is rightly proud of this.	M	SLAM

38	Adverse or extreme weather leading to heat, high winds, lightning, rain	Dehydration, fire, heat exhaustion, hypothermia, sunburn	<ul style="list-style-type: none"> ▪ Contractors ▪ Performers ▪ Public ▪ Staff 	4	3	12	<ul style="list-style-type: none"> ▪ In the event of adverse or extreme weather the Event Safety Advisor will assess the risk to those on site and if considered severe will stop all activities until conditions improve ▪ Refreshment areas ▪ Regular checks on forecasts ▪ Wind policy to be obtained from all structure providers (in the event of high winds exceeding limits then structures will be evacuated and made safe) 	A weather management plan is part of the EMP and it will be updated as structures are erected on site. Medics will give advice if there is extreme heat or cold.	M	SLAM Contractors Medics
39	Medical emergencies on site	Any accident or incident that ranges from minor to serious, delays to treatment	<ul style="list-style-type: none"> ▪ All 	3	5	15	<ul style="list-style-type: none"> ▪ Private medical service provider on site. ▪ Number of staff and facilities based on risk assessment ▪ Well signposted First Aid and medical area 	All staff to be briefed where medical is to pass info to public. Medical part of the event control team to aid communication. A number of ambulance vehicles will be based on site to take patients to hospital if required to prevent reliance on NHS ambulances.	L	SLAM Medical
40	Special FX / Pyro	Staff Contractors Public					SFX will only be used and installed by competent and trained contractors. SFX will be positioned where possible to avoid	Checks of risk assessments for each safety point – procurement.		SLAM

41	Catering	<p>Staff. Public. Damage to your equipment. Damage to other traders' equipment. Damage to infrastructure.</p>	All		<p>persons. If this cannot be achieved, 'danger zones' will be clearly marked out on stages. Safety measures in place to prevent SFX units 'slipping' and firing in an unintended direction when triggered. Safety measures in place to prevent SFX units firing when not intended and to ensure the person firing has clear line of sight of all danger zones. SFX will not be fired if a person is in the danger zone. SFX tests will be conducted on install (For install risks see Build & Break section of RA). See contractor specific risk assessments.</p> <p>Gas leaks.</p> <p>Water Supply</p>	<p>Use leak detector fluid to test for leaks - never use a naked flame. Isolate faulty appliances. Safe storage of LPG in locked cage.</p> <p>Annual gas safety check. Correct gas pipe sizing for appliances.</p> <p>Appropriate training on appliance use.</p>		
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