

THE STAGEBUS

RISK ASSESSMENT: Events with The M-Stage

Risks Before Event Arrival

(and after leaving the site following an event)

For transportation, the M-Stage packs up and travels as a normal vehicle, towing the operating trailer if this is required. The M-Stage is maintained to all legal requirements and checks on vehicle condition are undertaken before leaving the storage site. The M-Stage is licensed to carry 3 passengers including driver.

Risk:	Possible consequence:	Possibility:	How will we reduce this risk:	Possibility reduced to:	What we will do if the event occurs:
The M-Stage will not start	Loss of time	Low	Maintain the M-Stage. Ensure that breakdown cover is in place	Low	Call breakdown cover and get the vehicle recovered or repaired.
Breakdown	Loss of time	Medium	Maintain the M-Stage. Ensure that breakdown cover is in place.	Low	Call breakdown cover and get the vehicle recovered or repaired.
	Injury working on roadside	Medium	Follow safe working practices with appropriate Personal Protective Equipment. Seek to move the M-Stage to a safe refuge as soon as possible. Call for highways agency backup if required.	Low	Call first aider or emergency services as appropriate. Take refuge in safe area.
Road Accident (M-Stage directly involved)	Injury: at time of accident	Medium	Driver to be competent and familiar with driving the M-Stage. Passengers to remain in safe positions for	Low -Medium	Call breakdown recovery service and other emergency services.

			travelling at all times. First aid kit available.		
	Death: at time of accident	Low	Driver to be competent and familiar with driving the M-Stage. Passengers to remain in safe positions for travelling at all times.	Low	Call the emergency services and the next of kin.
	Injury or death following accident	Medium	Move to a safe refuge if necessary, wearing high visibility clothing and Personal Protective Equipment as appropriate. Follow the instructions of the emergency services at all times.	Low	Seek further assistance if required.
	Destruction of vehicle or Equipment	Medium	Driver to be competent and familiar with driving the M-Stage so that damage can be reduced as far as possible. Equipment to be stored and packed away securely and spares carried where appropriate. A means to locate local suppliers should this not be sufficient should be used. Suitable insurance should be in place.	Low	Call breakdown cover and get the vehicle recovered or repaired. Assess damage so that replacements can be arranged ASAP.
	Fire	Low	The vehicle and	Low	Use fire extinguishers

			generator run on diesel so the risk is low, but ensure that all flammable materials are suitably stored. Fire extinguishers should be stored so that they are accessible and their positions made known to crew members.		or call the fire brigade if necessary.
	Loss of time	Medium	Driver to be competent and trained in driving the M-Stage. The Event Project Manger / Driver will liaise with the emergency services and any third parties to ensure that the situation is dealt with properly and as efficiently as possible.	Low	Follow the instructions of emergency services. Call for further assistance if needed.
Road Accident and/or Closure (M-Stage not directly involved)	Loss of time	High	Allow extra time when planning routes to account for unexpected delays. Listen to traffic news if possible and follow all signs and enforcement officer instructions.	Medium	Contact the Customer for with an updated arrival time.
	Risks to health from debris / fire etc.	Medium	All crew and driver to follow signs and instructions from law enforcement officers. Crew to make Project	Low	Seek further medical assistance if necessary.

			Manager aware of any pre-existing health conditions that may make them more vulnerable.		
Low Bridges	Breakdown	Medium	Check the route before setting out. Know the height of the M-Stage. Be aware of signs.	Low	Call the Breakdown recovery service and other emergency services.
Width Restrictions	Breakdown	Medium	Check the route before setting out. Know the width of the M-Stage. Be aware of signs.	Low	Call the Breakdown recovery service and other emergency services as appropriate.
Getting Lost	Loss of time	Medium	Plan the route before departing. Ensure that maps, satellite navigation or similar are on board the M-Stage should any deviation from planned route be necessary.	Low	Read the map and call for assistance if necessary.
Tyre blowout	Accident	Medium	Maintain the M-Stage and ensure that breakdown cover is in place	Low	Call our breakdown cover and get the vehicle recovered or repaired.
Puncture	Accident	Medium	Maintain the M-Stage and ensure that breakdown cover is in place	Low	Call our breakdown cover and get the vehicle recovered or repaired.
High Winds	Instability	Medium	Check the weather forecast and make sure the driver is fully trained on how to deal	Low	Drive carefully and stop if necessary.

			with high winds, knowing what normal behaviour is for the M-Stage. Follow the instructions of enforcement officers at all times.		
Loose equipment	Injury	Medium	Make sure it is all strapped down and fixed in place	Low	Fix the equipment back into place and deal with any injuries. Call a First Aider if necessary.
	Equipment Destruction	Low	Make sure it is all strapped down and fixed in place.	Low	Repair it if possible, or source spares/replacement equipment.

Risks on Arrival at Site

On arrival at site the crew will make contact with the Customer or other designated person to site the M-Stage. Prior to arrival, the Customer will have agreed that there is suitable access for the M-Stage vehicle, and arranged for separate movement of the operating trailer where this is necessary. The driver will comply with all on site driving requirements such as speed limits and use of warning lights.

<i>Risk:</i>	<i>Possible consequence:</i>	<i>Possibility:</i>	<i>How will we reduce this risk:</i>	<i>Possibility reduced to:</i>	<i>What we will do if the event occurs:</i>
Manoeuvring M-Stage	Hitting obstacles / people	Medium	Travel slowly when manoeuvring. Use mirrors appropriately and have "spotters" outside the M-Stage watching out for moving people. Where necessary utilise people to cordon off and warn crowds.	Low	Call first aider if necessary

	Lack of space	Medium	Ensure that the venue knows the size of the M-Stage and the space necessary for turning. Driver to have absolute discretion whether to attempt a manoeuvre.	Medium	Seek alternative access routes.
Soft or delicate ground	Damage to ground	Medium	Driver to judge whether there is adverse risk to the ground. Use boards or other suitable track way (customer supplied) to create a safe route. Travel at a suitable speed to minimise damage.	Low	Make the area safe (mark trip hazards etc.) and inform the relevant bodies as soon as possible.
	M-Stage becoming stuck	Low	Ensure that tyres have sufficient tread. Driver to pre-walk any ground he feels there is a risk and to have absolute discretion whether to attempt to travel over an area. Make use of track ways and boards if necessary.	Low	Call for a suitable towing vehicle.
Unattended vehicle	Theft of vehicle	Low	As far as possible, always leave someone with the vehicle. Otherwise ensure all doors are secured and request that any lockable exits to the	Low	Call law enforcement and local security as possible.

			site are also locked. Customer to ensure there is suitable security for the duration the M-Stage is on site.		
	Theft of other Equipment	Medium	Equipment to be stored securely and out of sight.	Low	Call the emergency services as appropriate. Source spare equipment.
	Damage	Medium	Customer to ensure there is suitable security for the duration the M-Stage is on site. The M-Stage should be left closed, which means that most damage should only be superficial.	Low	Prevent further damage from occurring if safe to do so. Assess the scale of the damage and how to make is safe.

Risks During Equipment Setup / Takedown

Equipment setup and takedown will be undertaken by at least two competent and trained members of crew. The working area will be clearly marked and no public access allowed until the Project Manager has declared it safe.

<i>Risk:</i>	<i>Possible consequence:</i>	<i>Possibility:</i>	<i>How will we reduce this risk:</i>	<i>Possibility reduced to:</i>	<i>What we will do if the event occurs:</i>
Opening doors	Injury	Low	Check for obstacles (including people) before opening doors.	Low	Call first aider if necessary.
Bystanders	Injury or interference	Medium	The working area is to be kept clear of members of the public using suitable barriers	Low	Secure the area and call venue security if this remains an issue.

			and/or deployment of personnel. Any offers of help will be declined.		
Objects falling	Injury	Medium	Make sure that objects are put away and rigged correctly, in line with the method statement.	Low	Call first aider if necessary.
Generator and Other plant	Injury	Medium	Generator to be kept out of the main public concourse and clearly marked. Personnel to be assigned to this area as appropriate.	Low	Call first aider and emergency services.
Lifting	Injury	Medium	Use ramps to get heavy objects on and off stage. Train crew members in correct lifting techniques. All lifts to be assessed by crew on an individual task basis.	Low	Call first aider if necessary.
Falls from step ladders	Injury	Medium	All ladders will be regularly inspected as to their condition. Ladders will be designed for the task of heavy lifting. Ladders will only be used when necessary, and where possible be braced by another person. In all circumstances crew will ensure the stepladder	Low	Call first aider if necessary.

			is securely placed.		
Slips	Injury	Low	Clear away any spills when they occur	Low	Call first aider if necessary.
Trips	Injury	Medium	Tidy things away and keep walkways clear	Low	Call first aider if necessary.
Trips on and off the stage	Injury	Medium	Ensure that the stage is levelled and locked into position as soon as possible during setup.	Low	Call first aider if necessary.
Power	Electric shocks	Low	The M-Stage is earthed and appropriate trips are used in the fuse box. As far as possible, the electrical circuits and cables are pre-wired.	Low	Call a first aider or ambulance depending on the severity of the shock.
	Fire	Medium	Equipment is regularly inspected for safety, and is suitable for its intended purpose: heat proof cable and connectors are used in for all high temperature applications and waterproof IP rated connectors used where appropriate. Equipment will be positioned to avoid water which may adversely affect its function. Fire exit	Low	Call emergency services as necessary.

			routes will be left at all times and crew will be aware of the positioning of fire extinguishers.		
Cable runs	Injury from trips and falls	Medium	Cable runs to be kept neat and tidy. Any cross site runs should be buried or suitably covered.	Low	Call first aider if necessary.
	Loss of control from damage	Medium	Avoid any cable links in public areas as far as possible. Where this is not possible, secure the coupled connectors with tape. Inspect the condition of cables regularly to identify any weak points. Cross site runs should be buried or suitably covered.	Low	Identify the problem as soon as possible to fix it.
Extreme weather	Damage to equipment / injury / death	Low	Only setup and takes down the stage if it safe to do so. It may be necessary to delay rigging / de-rigging.	Low	Halt the setup / take down process, make safe as far as possible and evacuate the area.

Risks Whilst Operating the Equipment

StageBus crew will operate the Equipment at all times during the performance except by prior arrangement. Should any other crew be used, such as touring sound engineers, the event Project Manager will remain in overall control and have the authority to overrule any decisions made by the crew member if it is deemed to pose risk to any person or piece of equipment. Equipment will be operated at all times within StageBus policies.

<i>Risk:</i>	<i>Possible consequence:</i>	<i>Possibility:</i>	<i>How will we reduce this risk:</i>	<i>Possibility reduced to:</i>	<i>What we will do if the event occurs:</i>
Extreme Weather	Heavy Rain	Medium	Remain vigilant during the performance of changing weather conditions. Check the condition of the roof regularly.	Low	Identify when the weather is becoming dangerous and end the performance if necessary.
	High winds	Medium	Do not use ladders, open speaker flaps, or set up the stage in high winds. Remain vigilant during the performance of changing weather conditions.	Low	Identify when the weather is becoming dangerous and end the performance if necessary.
	Lightning strike	Low	The M-Stage is earthed but crew will remain vigilant during the performance of changing weather conditions.	Low	Identify when the weather is becoming dangerous and end the performance if necessary. Call first aider if necessary.
	Low Temperatures	Medium	Advise people to bring suitable clothing. Emergency blankets and similar to be carried should they be required.	Low	Call first aider if necessary and have hot drinks available.
Members of the public offering assistance	Injury or interference	Medium	Refuse offers of help. Suitable barriers and deployment of personnel to keep members of the	Low	Call security for reinforcement if there is a problem.

			general public out of working areas.		
Theft of Equipment	Unable to continue operating	Medium	Equipment to be kept within the stage area as much as possible. Personnel encouraged to challenge anyone acting suspiciously.	Low	Call for security reinforcement if there is a problem.
Slips	Injury	Medium	Clear away any spills when they occur. Limit beverages on stage to sealable bottles.	Low	Work out the cause and make safe. Call first aider if necessary.
Falls	Injury	Medium	Stage manager to ensure that any performer's equipment is kept tidy and walkways remain clear.	Low	Work out the cause and make safe. Call first aider if necessary.
High noise levels	Temporary deafness	Medium	Crew will be provided with ear-plugs and warning will be given before noise levels are raised	Low	Call first aider if necessary.
Bright lights	Temporary blindness or shock	Low	Performers to be aware that the stage is artificially lit	Low	Call first aider if necessary.
Lighting	Epileptic reaction to strobe lighting	Medium	Strobe lighting will only be used with the approval of the Customer, who will undertake to inform the crowd by the most suitable route. Lighting controlled by crew	Low	Call first aider if necessary.

			member at all times.		
	Burns	Low	Position fixtures which generate high heat levels carefully. They should not be placed in any public or unattended areas.	Low	Call first aider if necessary.
	Falling lights	Medium	All lights rigged at height will be secured by at least one additional point of security (such as a safety bond or chain) to the main fixture point or points. Performers will be warned of any unsecured fixtures on the stage floor.	Low	Call first aider if necessary.
	Fire	Medium	Manufacturers' guidelines will be followed relating to distances from heat sources. Remain aware during performance of any fixtures or fittings that have moved or appeared without authorisation.	Low	Call first aiders and fire brigade if necessary.
Fire	Injury	Medium	All material used on the M-Stage will be flame retardant or treated to be so. Crew will remain aware during performance of	Low	Call emergency services as necessary.

			any materials which appear without authorisation (such as banners) and take steps to make them safe. Crew are also aware of the locations and operation of basic fire fighting equipment (extinguishers).		
Noise	Loud noises	Medium	The Customer should warn any staff members of the risks of loud noises. Sound will be kept below any level specified by the Customer or authorities. The stage manager should liaise with the performers to ensure that on stage sound levels are suitable.	Low	Call first aider if necessary. Remove anyone affected from the
Crowd	Disorder	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Theft	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Stage Invasion	Medium	Crew to follow StageBus policy. Customer to provide	Low	Call for extra security if necessary.

			security.		
	Invasion of operating trailer	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Missiles	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Abuse, including racism	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Threats to crew members	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Climbing on staging / truss structure	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Interference with electrics	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
	Attempts to start or manoeuvre M-Stage	Low	The M-Stage should be electrically isolated as soon as it is sited (preventing the engine from starting). Drivers cab should be locked.	Low	Call for extra security to remove anyone attempting.
	Attempt to access M-Stage cab	Medium	Door is locked - non-crew members have no	Low	Call for extra security if necessary.

			access.		
Equipment failure	Total or partial sound failure due to loss of amp	Medium	Carry spare parts on the M-Stage. Change the part if possible. Training is given to crew members.	Low	Change the part as quickly as possible.
	Total sound failure due to cable interruption	Medium	Cable runs between sound desk and stage to be kept neat and tidy and covered or flown at all times.	Low	Restore sound either through swapping cables or repositioning as soon as possible.
	Lighting Failure due to cable interruption	Medium	Where possible have lights default to a static but lit state.	Low	Restore lighting control either through swapping cables or repositioning as soon as possible.
Power failure	Loss of lights or sound	Medium	Crew will source the problem and fix as soon as possible, all crew will be trained in the basics of how the power system works.	Low	Use torches or loudspeaker to coordinate efforts. Rectify the problem if possible.
	Fire	Low	Carbon Dioxide fire extinguishers are on the M-Stage.	Low	Call the fire brigade if necessary.
	Disorder – crowd objections	Medium	Crew to follow StageBus policy. Customer to provide security.	Low	Call for extra security if necessary.
Acts being rude, abusive or inappropriate	Arguments	Medium	Stage Manager should liaise with acts. Crew to maintain communication with	Low	Call for extra security if necessary.

			the stage manager. Equipment should be set up so that control can be maintained from the trailer, removing stage power and amplification if necessary.		
Using stage	Falling off stage	Low	Stage constructed so that it is flat and smooth. Position of steps etc. Should be marked.	Low	Call first aider if necessary.
	Injury	Medium	Make sure stage has been constructed so it is flat and smooth. Only use proper staging blocks with non-slip services. Access the stage either through the doors or via steps of a suitable height. Steps should be tested by crew for stability before members of the public are given access.	Low	Call first aider if necessary.
	Issues with other (non StageBus) electrical equipment	Medium	The StageBus may refuse to allow the use of any equipment they deem to be unsafe; performers are responsible for the electrical safety of their own equipment. Venue	Low	Call emergency services as necessary.

			must communicate this to them. If there is a fault, have a trip switch and fire extinguishers.		
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General Risks Relating to Crew

All crew members on site will be trained in the operation of StageBus equipment, and will have agreed to all working procedures etc. There will be at least one senior member of crew present ("the Project Manager"), who will liaise with all other crew members.

Risk:	Possible consequence:	Possibility:	How will we reduce this risk:	Possibility reduced to:	What we will do if the event occurs:
Pre-existing medical conditions	Injury / sickness	Low - High	Crew members should ensure that the Project Manager is informed of any pre-existing medical conditions and on the most appropriate course of action should they become ill. Crew members should assess all tasks on an individual basis before undertaking them.	Low	Call first aider if necessary.
	Aggravation of existing physical injury	Low - Medium	Crew must follow StageBus policy. Crew members should assess all actions on an individual task basis.	Low	Seek medical attention if necessary.
Medical Emergency	Injury / sickness	Low- High	Provide first aid treatment as soon as possible. Follow event procedures for	Low	Seek further medical attention if necessary.

			escalating where appropriate.		
Exposure to loud music	Hearing Damage	Medium	Crew to be provided with ear plugs and given opportunities to work in quieter areas. Music volume should not exceed any level set by the customer or regulatory authorities, and StageBus policy should be maintained at all times.	Low	Temporarily reassign crew member.
Lack of PPE / warm clothing	Injury / exposure to extreme temperatures / UV rays	Low - High	As workers are freelance, workers bring their own appropriate clothing. Clothing guidelines are issued to the crew. High visibility clothing and some spare warm clothing is kept on board the M-Stage and is provided where necessary.	Low	Call first aider if necessary.
Refreshments	Fatigue due to hunger	Medium	Basic non-perishable food supplies kept on the M-Stage when possible. Opportunity to have at least one full meal during events lasting over 4 hours will be provided. Crew members advised that	Low	Source food and allow affected crew member to rest.

			they may wish to bring their own food		
	Dehydration	Medium	The Customer should provide “drinking water”, that being water which meets the standards set out in the Drinking Water Directive (1998).	Low	Call first aider if necessary.
Toilets	Illness due to lack of access	Low	Customer will provide crew with access to toilets for the duration of the event.	Low	Call first aider if necessary.
	Illness due to contamination	Medium	Customer responsible for maintaining toilet facilities. Hand wipes and similar available on the M-Stage if required.	Low	Seek medical attention if needed.
General problems	Anything	Low - High	Crew must point out any risks to manager. Common sense should be used at all times.	-	Rectify the problem as soon as possible if able to.

APPROVED BY Andrew Teverson, OCTOBER 2015, on behalf of THE STAGE BUS LTD.