

## EVENT RISK ASSESSMENT

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CSM – VBM2019  
Event Risk Assessment  
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## **Section 1: Method Statement**

### **Overview**

This document has been prepared by Gravelfish Ltd on behalf of CSM Active (the client) specifically in relation to the event and dates/venues contained in the event synopsis.

The control measures identified and those identified in any supplier or contractor risk assessments must be taken forward to the Event Safety or Event Management Plan for the event.

The significant risks or hazards identified must be highlighted in any Construction Phase Plan drafted in respect of the CDM Regulations for construction activity at the event.

The control measures in respect of the risks should be communicated to those who will work or otherwise come into contact with the hazards and risks identified herein.

Implementation of the control measures and management of the event/activity overall will reside with the client who should nominate a person responsible for the monitoring of safety at the event/activity.

The control measures identified have been specified on a proportionate assessment of the hazards based on information available at the time of drafting.

The client will take appropriate steps to review all or part of this assessment should significant changes in working practices arise, an incident occurs or there are substantive changes to the scale or nature of some or all of the event/activity details.

### **Communication of risk assessment**

This document is to be shared with all stake holders to ensure that relevant detail can be included and reviewed. It serves to outline the key risk assessment processes and procedures adopted by CSM Active.

To ensure that safety information is communicated as efficiently as possible, information will be drawn from this document and shared in the following ways:

- Site Safety Briefings – Contractors, Suppliers, Partners and Crew will receive updated site safety briefings.
- Contractor and Partner Site Induction – A concise document will be distributed identifying key procedures and site safety rules. This will be signed and returned as acknowledgment and agreement to CSM Active. The induction will signpost personnel to this document.
- Signage will identify that this document is available in the site office at all times.
- Digital distribution – This document will be distributed to all key stakeholders participating in SAGs via file share platforms.

## **Scope**

The Event Risk Assessment covers the following areas of activity:

- Event Registration
- Event Village Areas
- Start Areas and Pens
- Finish Area – including back of house
- Event Route

The Risk Assessment has been split into sections for ease of reference for stakeholders and others.

Separate sections are presented for the start and finish areas as well as the Registration. Risk assessment items related to fire have been extracted from the main body of the Risk Assessment to satisfy Fire Officer specific requests.

Generic assessments are presented for event build and breakdown in addition to items that apply to elements repeated along the various sectors.

Rider safety issues are covered in the route risk assessment and route methodology document undertaken by LW Event Consulting commissioned by CSM Active .

## **Process of Risk Assessment**

The principles of Risk Assessment are set out in the Management of Health and Safety Regulations 1999. The overriding consideration will be to initiate a system of risk management that results in practical measures to protect people from real harm and suffering.

The assessment includes a consideration of control measures to reduce the final level of risk so far as is reasonably practicable (SFARP) as enshrined in Health and Safety law.

The assessment has been undertaken based on the proposed event or activity content based on consultation with the client and from experience of previous events of a similar nature.

Issues raised in liaison with stakeholders and agencies involved in the planning of the event have also been incorporated.

In undertaking the risk assessments, the following approach has been adopted:

- To gather information about proposed activities to determine what hazards may be present and to whom;
- “Hazard” – something that may cause harm

- To determine the potential severity of harm caused by encountering a hazard
- To determine the likelihood that exposure to the hazard will occur and result in harm
- Based on the determined likelihood and potential severity of harm to allocate a level of primary risk;
- “Risk” - A risk is the likelihood that a hazard will actually cause its adverse effects, together with a measure of the severity of the effect;
- Consider control measures appropriate to reduce the identified risks SFARP and reassess the controlled level of risk;
- Review any residual risk to ensure risk is controlled.
- For clarification - The Primary Risk is the risk associated with any identified hazard assuming that exposure to that hazard remains completely uncontrolled. The Residual Risk is the level of risk remaining after the full implementation of the proposed control measures. Management must ensure that the proposed risk control measures are fully communicated and implemented to achieve these levels. Where a Residual Risk is still shown at an unacceptable level within the Risk Assessment then the adjacent column will show what additional measures need to be adopted to reach an acceptable level. The columns following the residual risk data indicate where additional controls are required or where special attention should be given.

Note that failure of control measures may cause the level of risk to rise back to the level identified without controls (the primary risk) and the management process should include a proportionate response to such failures.

The control measures identified have been drafted based on a hierarchy of control whereby risks should be reduced to the lowest reasonably practicable level by taking preventative measures, in order of priority:

- Eliminate;
- Substitute;
- Physical Control;
- Administrative controls;
- PPE.

HSE guidance indicates that the fire safety assessment required under the Regulatory Reform (Fire Safety) Order 2005 can be carried out either as a separate exercise or as part of a single risk assessment covering other health and safety risks. Fire risk assessment will be included within this document.

A review of the assessment should be made should further information be received which suggests that the control measures stated are no longer sufficient to control risks, are inappropriate, or if additional hazards are identified.

During the event, a process of continuous assessment and reassessment should be undertaken by CSM Active. This is to ensure that appropriate, dynamic risk assessment is carried out and appropriate additional or revised controls are put into place to manage any change in conditions, or additional hazards arising which are not covered in these assessments.

Risk Assessment is a dynamic process that requires information to be updated and reviewed. It is CSM Active’s duty to ensure that information is shared in a timely fashion that allows for safety information to be updated and shared.

## Section 2: Risk Assessment Matrix

Risk Assessment Matrix for Personal Injury		SEVERITY						DEFINITION OF LIKELIHOOD CAUSES
		Multiple Death/Major Injuries	Single Death Life Changing Injury	Specified Injury/ hospital transfer	'7 day' Injury	Minor Injury	None	
		10	8	6	4	2	1	
LIKELIHOOD	Certain 10	100	80	60	40	20	10	Has happened before and is expected to happen on this occasion
	Very Likely 8	80	64	48	32	16	8	Has happened before and is very likely to happen on this occasion
	Probable 6	60	48	36	24	12	6	Has been known to occur before and is likely to happen on this occasion. >50/50 Chance
	Possible 4	40	32	24	16	8	4	Has been known to occur before but no reason to suggest that it will happen on this occasion. 50/50 chance
	Unlikely 2	20	16	12	8	4	2	Has been known to occur before but no reason to suggest that it will happen on this occasion. <50/50 chance
	Very Unlikely 1	10	8	6	4	2	1	Has never happened before and there are no reasons to suggest it will happen on this occasion

### Notes:

The numerical scale used is to allow comparisons of the risk levels only. No literal meaning is implied by the scoring level. 'Specified Injury' shall be as defined in RIDDOR



Level of risk is unacceptable.

Add to our risk reduction required to proceed

Level of risk may be tolerable but use add to our risk reduction for considered practice.

Level of risk is acceptable.

### Abbreviations Used in Assessments

P = Public, guests, visitors

S = Event staff, production team

C = Contractors, suppliers,

A = Athletes, Participants

### Section 3: Registration Area, Victoria Sq

Item	Hazard Effects	Persons Affected	Severity (S) x Likelihood (L) = Primary Risk (R) S x L = R			Proposed and existing control measures	Severity (S) x Likelihood (L) = controlled Risk (R) S x L = R			Notes and comments
General Arrangement of Units for outside space	E1 Overcrowding/Pinch points	Public	8	4	32	<p>All units to be located in areas where main participant access/egress is expected and aligned to not obstruct crowd flows.</p> <p>Outlets to be detailed on plans showing detail of unit dimensions, materials/food to be sold and /or vendors.</p> <p>Units to be grouped and where necessary fences to be installed between and at rear to prevent unauthorised crowd access.</p>	6	2	12	
Generators	E2 Fire and electric shock	P/S	8	4	32	<p>Where possible, consideration should be given to connecting units and lighting to venue mains supplies. Where this is not possible, a minimum number of shared generators to be used.</p> <p>No petrol generators to be used.</p> <p>Generators to be located in secure areas away from public.</p> <p>Generators to be internally banded and CSM Active will ensure that a spills kit is available for use near all generators.</p> <p>Extinguisher – CO2/Powder/Foam in proximity to generators</p>	6	2	12	An adequate number of tested and certified fire extinguishers of types suitable for use for the potential fire situations anticipated will be available for use from clearly signed "Fire Points" where appropriate in each structure and at each generator point
Cable Runs	E4 Trips	P/S	6	4	24	<p>Minimum number of cable runs to be used.</p> <p>Where possible, these not to be in public areas. If in public areas, acceptable cable covers in high visibility colours to be used.</p> <p>High-level or back of house only cable runs preferred.</p>	4	2	8	

						Cable bridges/cable ramps as shown on site plans. DDA compliant ramps to be used where necessary in public areas.					
LPG	E5	Fire, explosion	P/S	10	4	40	LPG to be limited to a maximum of one cylinder spare for each one in use at each unit.  LPG at units to be secured against toppling.  Vehicles and units to be checked on a regular basis for compliance.  Unit operators to submit certification in advance that gas installation has been installed and checked within the last three months (ideal) to 12 months (maximum) by Gas Safe Register approved contractor. Details to be vetted in advance of siting by the Safety Officer.  LPG storage facility to be established remote from main event infrastructure at an agreed location. LPG to be stored in suitable cages where appropriate. Details subject to review with fire officer.  Hoses and connections to comply with current legislation and be in good condition. Any defective equipment to be taken out of use. Swaged/crimped connections preferred to Jubilee clips.  LPG containers at site to be secured and located away from public access to prevent tampering	6	2	12	An adequate number of tested and certified fire extinguishers of types suitable for use for the potential fire situations anticipated will be available for use from clearly signed “Fire Points” where appropriate in each structure and at each generator point.  No onsite LPG stores currently planned.
Waste Storage	E7	Fires	P/S	8	4	32	Waste storage close to units to be provided in metal skips in secure locations away from main public areas.  Waste to be cleared on a regular basis to a suitable location and removed off site by cleaning contractor.  Food waste to be disposed of in sealed bags/containers.	6	2	12	N.B. The activity area manager is ultimately responsible for fire safety on site and will check that reasonably practicable precautions are in place to prevent fire starting; that there are adequate means to evacuate the areas and to give initial first aid

										<p>firefighting capability by onsite checks prior to and during the event.</p> <p>Telephone communication will be available on site to summon the Fire Service in the event of a fire.</p>
Miscellaneous Trader, Sponsor and Exhibitor Hazards	<p>E8 Ejection of materials</p> <p>Sale of unsuitable materials</p> <p>Unsuitable displays</p> <p>Fire</p>	P	6	4	24	<p>Exhibitors/Traders will be required to complete a basic risk assessment form and indicate scope of activity and sales range.</p> <p>Unsuitable activities to be prohibited.</p> <p>Unsuitable materials/goods - flares, fireworks, etc. to be prohibited.</p> <p>Stalls to be monitored by security for compliance.</p> <p>Structure of partner/charities stalls to be checked for stability by Safety Officer.</p> <p>Bespoke structures will be required to be accompanied by specific RAMS and structural details as required.</p>	4	2	8	
Cycling in registration area	E9 Impact with pedestrians	P, S	6	4	24	<p>Cycling in registration area is not permitted except on the routes.</p> <p>Signage should be deployed at the access points to the area (entrance to car park, past skate park) to indicate that cyclists must dismount and the message reinforced by marshals/stewards.</p> <p>A cycle park will be provided as shown on the site plans and the location of places to secure bicycles indicated at all other activation areas.</p> <p>The no cycling policy will be strictly enforced in designated pedestrian areas.</p>	6	1	6	

Registration Area – capacity	E 11 Overcrowding of areas- crush	Participants Staff Public	8	4	32	<p>Registration area capacity to be set and monitored by event management onsite, in the event that occupancy rises to levels where movement is not 'free' then further ingress will be temporarily halted and the queuing system by the entrance instated.</p> <p>No bikes permitted in square</p> <p>Minimal activation installed inside to avoid participants remaining in registration for long periods of time.</p> <p>It is expected that those attending registration will arrive in steady numbers rather than concentrated arrivals. This is based upon extensive event management in the delivery of such facilities.</p> <p>Peak hours are expected to be 11:00 – 15:00 – with additional staff available to assist in these areas if required during these times.</p>	6	2	12	
Staff and Volunteers	E 13 Manual Handling - of supplies (food, water, boxes of other items).	Staff and volunteers carrying out manual handling without training or information.	6	4	24	<p>Where possible all materials will be delivered to the place that they will be used by delivery vehicle or mechanical means.</p> <p>Where staff and volunteers are likely to become involved in Manual Handling they will be selected by CSM Active and briefed in advance of the event.</p> <p>Safety Officer monitors work activities throughout the event</p>	6	2	12	
Staff and Volunteers	E 14 Training and information.	Voluntary, etc. staff and others affected by their acts or omissions.	6	4	24	<p>Volunteers to be briefed by volunteer manager with input from Safety Officer and Security to ensure appropriate instruction is given in respect of communicating safety critical messages.</p> <p>Roles and responsibilities will be set out in briefing documents.</p> <p>Volunteers will have no safety critical function and will be advised to follow instructions under emergency conditions.</p>	6	2	12	

						CSM Active to arrange welfare and shift patterns for volunteers and provide all site clothing and briefing materials.				
First Aid	E 15 Inadequate First Aid Provision and access to site	Contractors, staff, participants	8	4	32	<p>Levels to be agreed between Local NHS Trust and the medical provider.</p> <p>Clearly marked First Aid Point and ambulance points to be located to give freedom of access and egress – see EMP and Route Plan</p> <p>Medical point to have hard floor and easy access to road for possible transfer to ambulance</p>	8	1	8	See also Event Medical plan for details of staffing
Registration Area	E 17 Overcrowding during Registration  Cycles causing injury	A,S	4	6	24	<p>Ensures sufficient check in desks and staff to ensure no delays</p> <p>Cycles not permitted within the registration area</p>	4	2	8	
Alcohol consumption	E 18 Anti-social behavior, overcrowding	P	6	4	24	No bars selling alcohol to public as part of event provision.	6	2	12	
Steps	E 19 Disruption to crowd management	P,S,CA	6	4	24	<p>A capacity calculation has been undertaken allocating the available floor space for the ‘free movement’ of registration attendees.</p> <p>The steps have not been used in this calculation – they are considered a ‘transit’ area necessary for access and egress.</p> <p>Security will be marshalling the volume of those entering the space – as directed by the event safety officers and venue management team.</p> <p>Calculations will be made during the ‘open hours’ for event registration, observing the ‘free movement’ of attendees – with the area cleared following outlined procedures should attendees not be able to freely move throughout the venue.</p> <p>Security will ensure that attendees do not inhibit the use of the steps – those sitting or standing in capacity hours will be asked to move.</p>	6	2	12	Please see ESP for calculations

						The condition of the steps will be monitored throughout the event - ensuring weather conditions such as rain do not inhibit safety.				
Knife Angel Installation	E 19 Disruption to crowd management, Misuse by area users, Interaction with Installation	P,S,CA	6	4	24	<p>The knife angel installation has been calculated to occupy an area of 25sqm. This does not impact the capacity calculation for the registration area.</p> <p>The installation will be monitored by site security as instructed and managed by the venue manager.</p> <p>Climbing and misuse of the installation will be managed immediately by site security. Signage will support the safe positioning of this installation identifying the prohibition of climbing.</p> <p>Barriers will be installed if required by council site operators.</p> <p>Guidance has been taken from council advisors on crowd management based upon previous events in this area and interaction with the installations.</p>	6	2	12	Please see site plan

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### Section 4: Start (Digbeth) and Finish Areas (Birmingham)

Item	Hazard Effects	Persons Affected	Severity (S) x Likelihood (L) = Primary Risk (R) S x L = R			Proposed and existing control measures	Severity (S) x Likelihood (L) = controlled Risk (R) S x L = R			Further action required to mitigate risks not adequately controlled	Notes and comments
Overnight Working	S1 Lack of light tiredness worker we fare	Staff	8	4	32	<p>Tower Lights to be provided in areas where existing lights do not provide adequate working light.</p> <p>CSM Active Site Manager present throughout to act as ESC during overnight period.</p> <p>JPES ESC to sign off all areas on arrival.</p> <p>All staff to work on shifts so staff who have been working during the day (Sat/Sun) are not working overnight.</p> <p>Toets available on site.</p> <p>Contractors to be responsible for own First Aid.</p>	4	4	16		
Capacity issues	S2 Overcrowding in assembly area crushing.	Competitors staff & public	10	4	40	<p>Assembly areas to be based on 1m<sup>2</sup> per participant with bicycle start pen area.</p> <p>Due to the start waves setting off between 0700hrs and 0900hrs and based on similar events in other cities/previous years it is not anticipated that a large number of companies/ supporters will accompany the competitors.</p> <p>To avoid arrival all at once, participants are given a set arrival time which takes into consideration the travel time from car park to the start area.</p> <p>Stewards and PA system in use to direct crowds if necessary.</p> <p>CSM Active to have experienced managers on the</p>	6	2	12		

						ground throughout arrival and departure process.						
Gantry	S5	Collapse insuff c ent ba ast/tether ng	Competitors Staff Public	8	4	32	A RAMS and wind load ngstobe rev ewed forthe nf atab epr or to nsta at on.  nflatable provided and installed by competent persons.  Gantry to be secured w th adequate ballast as per wind oad ngs.  Generatortobe barr ered off and prov ded w th fire ext ngu shers  Inf atab e mon tored throughout the day and weather conditions mon tored.	4	4	16		
Emergency	S6	Emergency Ex t ng crushing in panic failure to evacuate area nrequ red t me	Competitors staff & pub c	8	4	32	There s suff c ent space for oca sed prob em areas to be c eared w thout the need for a fu evacuat on.  The s te has many routes w de enough to evacuate the fu s te n mu t p e d rect ons and w th n a reasonable time of 10 15 minutes Loca c earance of up to 100m around an nc dent s feas b e w th n 3 m nutes.  Based on the nature of the need to evacuate the most appropr ate route w be agreed between the event management and po ce	6	2	12		
Participant Waves movement between pens	S7	Competitors moving forward to start ne crush ng and tr ps.	Compet tors	10	4	40	Compet tors are set off n waves of selected numbers of cyclists based on capac ty of pens w th the following waves being lead forward by marsha s.  Where gaps form between individual waves as they are moved forward from the assemb ypo nts, marshals will escort and control the f ow forward and w contro part c pants try ng to jump the queue.  Barr er w th m n ma project ng feet, to be prov ded past the start	6	2	12		

						ne to prevent medical/supporter contact with cyclists.  individual timings provided (timing chip) to minimise need for cyclists to push					
<b>Start Command and Control Structure</b>	S9 Potential for loss of control of event.	Competitors & Public	10	4	40	Experienced Event Team in place.  Safety Officers working in close cooperation with Start Director and local authorities.  Start plan drafted and used	8	1	8		
<b>Emergency Vehicle Access</b>	S10 Movement of emergency vehicles within venue	Competitors staff & public	8	2	16	Agreed medical access routes with closures as established event venue with access procedures in place.  Agreement with Medical Provider that ambulance movement will be restricted and that patients will be moved to ambulance rather than vice versa.  Ensure clear and rapid communication between stewards and relevant emergency services. Central control point/key coordinator staff to be informed of progress at all times.	8	2	16		Please see medical plan
<b>Car Park</b>	S11 Car Parking.	Competitors staff & public	8	2	16	Competitors are advised of parking location in advance.	6	2	12		
<b>First Aid &amp; Medical</b>	S12 Potential ability to deal with numbers of incidents due to high attendance or occurrence of a major incident.	Along with starting area	10	4	40	Presence of first aid personnel, bases, ambulances at strategic locations communication among these services and to central control functions of other services and the organisers numbers and types of facilities currently as supplied by the service providers  Overall control by CSM Active	6	2	12		

						appointed medical adviser. See Event Medical Plan.					
<b>Fire</b>	S 14 Fire arising from waste	Contractors staff, volunteers cyclists.	10	4	40	Substitute waste containers will be provided to prevent accumulations of combustible material.  Regular site cleaning during event to prevent buildup.	6	2	12		
<b>Fire</b>	S 15 Flammability of structures	Contractors staff, volunteers cyclists.	10	4	40	All public or staff access structures to be inherently fire resistant or treated to render them so as appropriate to circumstance. Start Director to check prior to use.	6	1	6		
<b>Fire</b>	S 16 Sources of Ignition	Contractors staff, volunteers cyclists.	10	4	40	There will be limited sources of ignition on site. Smoking is not permitted within any structure and actively discouraged across the site.  Heat generating equipment located away from heat sensitive materials	6	1	6		
<b>Media</b>	S 17 Obstruction of course & cable runs	Riders & public	8	2	16	Barrier lines installed to prevent access to course.	6	2	12		
<b>Finish Gantry</b>	F1 Structural stability	Participants, Staff	8	4	32	Finish gantry to be installed by a competent contractor and a RAMS and structural calculations provided in advance.  Structure to be reviewed and checked prior to sign off by Event Manager/ESC and supplier to provide a sign off certificate to confirm it has been installed as per a specification.  Supplier to remain on site to resolve any issues  Any branding installed to gantry to be coordinated with the winding company.	6	2	12		

<b>Finish Area: Perimeter and capacity issues</b>	F2	Pub c attempt ng to ga n access to prohibited areas	Pub c attempt ng to cross fences etc.	6	6	36	Dedicated finish area identified within Birmingham City Centre barriered with security/ marshal stewarding  Clear sign posting through the bullring  Any dent f ed po nts w be stewarded to restrict access  Controlled viewing area	6	2	12		
<b>Finish Area: Perimeter and capacity issues</b>	F3	Overcrowding in finish areas.	A n areas.	6	4	24	Concord barrier line to finish zone to prov de adequate protect on to route a ong w th res stance to forward pressure  Barriers are set on roadway with add t on a space for v ew ng on verge above kerb for added v s b ty  Compet tors to d smount as instructed at dismount line before	6	2	12		
<b>Siting and spacing of facilities and infrastructure Finisher Item Collection</b>	F4	Crowd Movement restr ct on by un ts be ng close together or creating ong narrow a eyways through cyclist processing system. Prob ems nf rsta d access	Competitors and site staff	8	4	32	Compet tors to proveed through f n sh pen wh chw a ow for separat on of arger groups when arr v ng at tem co ect on.  A tems to be separated to avo d congest on on co ect on and encourage compet tors to keep mov ng through area.  Stewards to encourage competitors who have finished and collected all f n sher tems to keep mov ng through area.	6	2	12		
<b>Fire</b>	F5	F res ar s ng from waste	Contractors staff, volunteers pub c	10	4	40	A contractors w be nstructed n n t a br ef ngs to keep combust b es to a m n mum.  All combustibles to be placed in meta sk ps/b ns as soon as practicable and cleared off site  Prov de f re ext ngu shers to structures and general working areas etc dur ng bu d per od.  CSM to procure supply in addition	6	2	12		

						<p>to those supplied by independent contractors as per the RRA.</p> <p>Petro generators must not be used on site.</p> <p>Safe storage area for LPG cylinders to be identified and highlighted on site plans.</p> <p>Safe storage area for fuel to be identified and highlighted on site plans.</p> <p>Flammable substances used must be identified by independent contractors. Checks undertaken on marking out that adequate cross routes are available. Contractor and control measures identified in the RRA.</p> <p>Generators and plant to be located such that heat from engines and exhausts do not affect any heat sensitive materials/surfaces.</p> <p>No hot works at proposed event site.</p>					
Fire	F6 Flammability of structures	Contractors staff, volunteers public	10	4	40	<p>No large public assembly structures are provided as part of the event.</p> <p>All public or staff access structures to be inherently fire resistant or treated to render them so as appropriate to circumstance. Event Manager to check prior to use.</p>	6	1	6		
Fire	F7 Sources of Ignition		10	4	40	<p>There will be limited sources of ignition on site. Smoking is not permitted within any structure and actively discouraged across the site.</p> <p>Heat generating equipment located away from heat sensitive materials.</p>	6	1	6		

<b>Electrical</b>	F8 Shock or burns also fires from faulty or unsuitable equipment/cables, adverse weather conditions affecting certain equipment	Site staff, contractors public.	8	6	48	<p>Electrical equipment and generators to be supplied and installed by reputable pre-qualified competent contractors.</p> <p>Electrical systems to be designed 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 with an operating time not exceeding 50ms.</p> <p>All generators distribution boxes etc. to be positioned/enclosed to prevent unauthorised access.</p> <p>A competent person should test and certify all electrical installation as to the safety on completion.</p> <p>A competent electrical contractor should be available to deal with any problems should they arise</p>	6	2	12	<p>All electrical installations and equipment should comply with the general requirements of the Electricity at Work Regulations 1989, i.e. installed, tested and maintained in accordance with the latest edition of the Institution of Electrical Engineers "Regulation for Electrical Installations" and other relevant guidance. Regarding the HSE Guidance Note GS50: "Electrical Safety for Places of Entertainment" and BS7909 "Code of Practice for temporary electrical systems for entertainment and related purposes".</p>
<b>Staff and Volunteers</b>	F9 Manual Handling of supplies (food water boxes of other items)	Staff and volunteers carrying out manual handling without training or information	6	4	24	<p>Where possible all materials will be delivered to the place that they will be used by delivery vehicle or mechanical means.</p> <p>Where staff and volunteers are likely to become involved in Manual Handling they will be selected by CSM Active and briefed in advance of the event.</p> <p>Safety Officers monitor work activities throughout the event</p>	6	2	12	
<b>Sponsor, VIP, hospitality venues</b>	F10 Hospitality Units crushing tripping etc exit capacity	Participants and Event Staff	8	4	32	Tent capacities to be sized to accommodate the numbers attending. A tents to have maximum capacity based on 3/m2 of free available floor area having deducted for furniture etc.	6	1	6	
<b>First Aid &amp; Medical</b>	F11 Potential to deal with numbers of incidents due to high attendance or occurrence of a major incident.	Within secured finish zones, including competitors.	10	4	40	Presence of first aid personnel, bases, ambulances at strategic locations communication among these services and to central control functions of other services and the organisers numbers and types of facilities currently as	8	2	16	

						supplied by the service providers  Overall control by appointed med ca Adv ser.  See event med ca p an					
<b>Wet Weather Issues</b>	F 12 Prob ems for f n shed competitors (cold/wet)  Staff gett ng co d and wet.	Competitors and staff.	8	4	32	Space blankets and under cover changing facilities for competitors  Staff and vo unteers nformed n br ef ng etter to br ng su tab e clothing for the prevailing weather cond t ons.  Venue Manager to review areas with safety officer	8	1	8		P ease see med ca p an
<b>Signage</b>	F 13 Potent a for crowd movement prob ems f signage is unclear or not read y v s b e.	Ma n y competitors n f n sh zones Some staff nvo vement.	8	4	32	Signage at appropriate locations throughout the area see signage p an.	6	2	12		
<b>General Issues for the Public</b>	F 14 Lost nd v dua s, particularly children and vu nerab e adu ts.	pub c	8	4	32	Lost/found persons policy to be in p ace.  Stewards and way finding volunteer marsha s to be prov ded w th br ef ng and rad os as requ red.	6	2	12		
<b>General Issues for the Public</b>	F 15 Informat on to the pub c.	The pub c.	2	2	4	Site plans and information available Vo unteers br efed to prov de adv ce and gu dance	1	1	1		

## Section 5: General Route

To be read in conjunction with route risk assessment and route methodology document

Item	Hazard Effects	Persons Affected	Severity (S) x Likelihood (L) = Primary Risk (R) S x L = R			Proposed and existing control measures	Severity (S) x Likelihood (L) = controlled Risk (R) S x L = R			Further action required to mitigate risks not adequately controlled	Notes and comments
Vehicle Conflicts	G1 Public vehicles local residents crash	Participants/ Public	8	4	32	<p>Road closure plans notified to a residents and a tentative parking allocated to keep them away from route for event day if possible.</p> <p>Road closures and barriers/cones in place. Road closures staffed in line with the traffic management plan.</p> <p>All road closure staff instructed to be vigilant to prevent unauthorised vehicles accessing the course.</p> <p>La son with local businesses and residents in advance of event day to advise of restrictions on access and means of emergency access along/across route.</p> <p>Road closure staff to manage interaction of vehicles, spectators and participants.</p> <p>Sector managers briefed to avoid confrontation with public issues escalated to Event Control for resolution.</p> <p>Sector management will facilitate access for a statutory and community service vehicles when safe to do so in consultation with Event Control when necessary.</p> <p>Stewarded emergency vehicle crossing points are provided in key locations on the course.</p> <p>Managed Access on route planned in advance to avoid impact on cyclists.</p> <p>Traffic management including road closures and road reopening to be managed from Event Control to</p>	6	2	12		<p>Please refer to the traffic management plan and traffic steward briefing for specific roles.</p> <p>Please review route methodology doc</p> <p>Single TMP must be used to minimise potential for confusion in reopening roads to traffic to ensure infrastructure and staff etc are clear.</p>

						<p>ensure co ordination of phased re open ngs and m tate aga nst conf cts due to Po ce or other persons re opening roads without author sat on.</p> <p>Traffic manager in Event Control to have final decision making role on phas ng of road re open ng for pub c use.</p> <p>Commun cat ons n p ace to ensure that route sectors can be mon tored at a stages of event and espec a y at end of event to ensure that there s earreport ng on remova of staff and nfrastructure from route to a ow roads to re open to public vehicles</p> <p>Breaches n road c osures to be communicated through to Event Control chain by Moto's or others becom ng aware of any ssues.</p> <p>County Counc (or any other agencies) taking responsibility for oca TM must report ssues and modifications up to Event Control n good t me to perm t event w de dec s on mak ng to take p ace.</p>					
<b>Managed Access Points</b>	<p>Cars crossing/driving adjacent to route.</p> <p>Vehicle/Cyclist collision caused by unauthorised veh c e access.</p>	Participants Pub c	6	6	36	<p>Pre determined locations on route to manage res dents out of areas that are affected by the event.</p> <p>Managed Access SOP developed for key ocat ons.</p> <p>Non Blue Light Emergent vehicles w be fac tated by teams on the ground v a ELT co ord nat on.</p>	4	4	16		
<b>Managed Access Point Ifold</b>	Cars crossing / driving adjacent to route	Participants Pub c	6	6	36	<p>Landlocked community provided w th re ease va ve w th n traff c management p ans.</p> <p>Pub c w be fac tated across route n/out lfo d by TMO throughout the day to avo d further aggravat on of the commun ty.</p> <p>Cars to be crossed where possible</p>	4	4	16		

						<p>where there s no need to ho d cyc sts. Cyc sts to be he das t option and vehicle managed across the route.</p> <p>All route crossings to be managed at all times at designated location Pub c w not be perm tted to cross at unauthor sed ocations,</p>					
<b>Stewarding Staff Volumes</b>	<p>No Shows Positions unmanned.</p> <p>Unauthorised access to the route by poorly stewarded route.</p> <p>Veh c e/Cyc st Co s on</p>	Participants Pub c	8	6	42	<p>H gh vo umes of staff prov ded by stewarding companies suggest that there s a h gher chance for no shows.</p> <p>CSM have contracted four companies to split the coverage across the route No company is work ng n so at on.</p> <p>Pr or ty pos t ons dent fed n advance on a Red/Amber/Green system to identify which positions are a requ rement and wh ch are preferab e.</p> <p>Secur ty Manager from each steward ng f rm to be ocated w th n ECR to co ord nate w th Event D rector and can prov de updates on status of staffing ECR can enact contingency priority plan f requ red.</p>	4	6	12		
<b>Vehicle Conflicts</b>	G2 Vehicles on carriageway used for r de crash	Part c pants	10	2	20	<p>Where possible road closure plans ensure that roads used on the course are tota y c osed for pub c use.</p> <p>Moto Stewards (and police) briefed to stop unauthor sed veh c es on course and d vert them off the route at the ear est opportun ty.</p> <p>Any necessary vehicle movement shou d be undertaken n the d rect on of event f ow</p> <p>Participants recommended to carry bas c spares and repa r k t w th them. Add t on a event support ava ab e at the start, f n sh, at spec fied hubs and from off c a</p>	8	2	16		

						support vehicles.					
<b>Vehicle Conflicts</b>	G3 Personal support vehicles crash/obstruction	Participants	8	2	32	<p>Personal support cars are not permitted on the route or within full road closures. Any participant found making use of a personal support vehicle will be required to withdraw from the event.</p> <p>CSMAct veto request and agree local suspensions of parking where necessary to make sure there is adequate road width for the event</p> <p>Cone n/barr er off and steward areas where parking is not suspended and considered likely there will be people parking on the street to ensure people do not move their cars</p> <p>If there are isolated cars parked on the road where stewarding has not been pre allocated, route crew to request nearby stewards/ MOTO's to flyert and monitor where practicable</p>	6	1	6		
<b>Parked cars on route</b>	G4 Reduction in width of route for cyclists  Potential for cars to be moved once roads are closed for event	Participants	8	4	32	<p>All parked vehicles to be risk assessed by route marshals/Moto's to determine if tow away is needed, if flag waver to be deployed or if vehicle does not present issue and does not require further action.</p> <p>CSM Active to ensure agreed tow away in place if necessary on event day morning tow away protocols to be agreed with local authorities and Police as required Vehicles to be relocated off route minimum 10m from proximity of or gnat location as far as practicable.</p>	6	2	12		NB Cars with Blue Badge cannot be removed unless so directed by Police.
<b>Evacuation/ Emergencies</b>	G5 Fire, Bomb Alert	A	10	4	40	In the event of a localised incident affecting a small section of the route marshals will be deployed by ECR/route motos to hold participants at point affected and at locations back along routes so as to prevent over congestion at one point. Marshals also available to clear route to allow access and egress of emergency services.	8	1	8		

						<p>If ho d at any one po nt s to be for an extended per od then Event Contro n a son w th author tes to cons der opt ons nc ud ng localised diversion shortening of route.</p> <p>If nc dent has a w der mpact on route then through ELT decision can be made to abandon event.</p> <p>Based on c rcumstances, participants would be instructed by marsha sat key po nt s to eave the event by the most appo r ate route return ng to home or f necessary to assemb y areas (des gnated based on circumstance) if certain routes are not ava ab e and oca d vers on not poss b e.</p>					
Emergency Access	De ay to emergency veh c es	Pub c	8	4	32	<p>Attendance at pre event planning meet ngs, nc ud ng spec f c B ue Light meetings to address concerns and deve op procedures for communication throughout event to ensure that there s m n ma mpact on b ue ght veh c es access ng route n an emergency .</p>	8	2	16		
Cycle crash on route	<b>G6</b> Personal njur es to part c pants B ockage on route	Part c pants	8	4	32	<p>Med ca P an to be drafted to ensure medics are located around route at nterva s and n part cu ar where incidents could be foreseen</p> <p>Moto's to mon tor route where marshals and volunteers are widely spread</p> <p>Moto's and/or volunteers deployed as f ag wavers to warn oncom ng cyc sts</p> <p>If necessary cyc sts w be stopped and asked to dismount to wa k around obstruct on before remount ng to cont nue</p> <p>n extreme circumstances incident esca ated to Event Contro for decision on stopping or suspending event.</p>	6	2	12		

						Details of crashes fed back to ECR to allow consideration of root cause and where crashes occur in any number ECR will determine appropriate action to minimise potential for recurrence.					
<b>Participant Health</b>	G7 Participants unfit to take part	Participants	10	4	40	<p>All participants receive detailed preparation information covering pre-existing medical conditions (and the need to seek medical advice) and the need to properly train for the ride.</p> <p>All participants details issued in advance of ride entered on database and linked to rider number.</p> <p>Participants are asked to provide documentation to write their details on the back of the rider numbers.</p>	10	2	20		
<b>Participant Health</b>	G8 Heat stress dehydration hyponatremia	Participants	10	4	40	<p>Pre event weather forecast monitored to take place.</p> <p>In the event that hot weather is forecast then monitoring of potential temperatures and humidity will be carried out to determine possible effects on participants.</p> <p>If high temperatures are forecast then a decision will be made in advance about the risks involved in proceeding and any additional measures required.</p> <p>All participants receive detailed pre event information about the need to properly hydrate and avoidance of dehydration and excess hydration (hyponatremia) pre during and post ride.</p> <p>Bottled water supplies sufficient for all participants are provided at the start, finish and at hub water points along the course. Participants encouraged to hydrate according to need.</p>	10	1	8		

						Med ca staff fam ar w th symptoms of heat stress, dehydration and hyponatremia and equ pped to dea w th cases or to send to suitable treatment facilities					
<b>Cycling Protective Clothing and Equipment</b> <b>General Cycle safety</b>	G 9 Lack of protect ve equipment causing injury to head, hands, feet etc.	Part c pants	6	6	36	Cyc e he mets compu sory for a part c pants. Cyc sts not perm tted to start r de f no he met.  Su tab e cyc ng co th ng and footwear to be worn.  Safety Gu de nes ssued to a cyc sts n advance of event	4	2	8		See Safety Guidelines webs te
<b>Bikes</b>	G 10 Poor ma ntenance.  Bikes not suitable for act v ty/ part c pant.	Part c pants	6	6	36	A b kes are to be prov ded by nd v dua part c pants  Part c pant to ensure that b kes are ma nta ned and f t for purpose and comp y w th the event cyc e restr ct ons see event webs te for fu ru es  Part c pants arr v ng w th non perm tted peda cyc es or ones wh ch are not proper y ma nta ned w be not perm tted to start and w have to w thdraw from the event.  Bike mechanic stations available at a number of ocat ons n order to carry out any repa rs.	6	2	12		The fo ow ng b ke(s) are forb dden at VBM2019 b kes w th d sc whee s, hand ebar extensions recumbent bicycles e lectron c b kes of any k nd, f xed gear b kes / s ng e speeds / f x es (a owed w th two independent brakes and a free hub), any attachment parts that endanger other r ders (e.g. k ck stands that st ck out), b ke tra ers, ch d seats bike bags backpacks bottle cages under or behind the sadd e, dr nk ng bott es that are made of non breakab e or hard mater a s ke a um n um or hard plastic Riders wishing to take part on a tandem together w need to enter each compet tor nd v dua y and pay the app cab e fee.
<b>Road Surface conditions</b>	G 11 Poor road surface cond t ons caus ng accidents impact with norma roads de nfrastructure  Uneven and potholed road surfaces tr p hazards  Risk increased in areas of h gh dens ty where hazards are not c ear y apparent due to dens ty of	Pub c and Participants	8	4	32	A of the routes are ma nta ned by the local highways agencies They are therefore expected to be to a standard wh ch a ow for genera road traff c and cyc e use.  Regu ar surveys have been undertaken by competent persons from the CSM Act ve Team. A ssues on the route have been dent f ed and deta ed on the route document.	6	2	12		See a so Route r sk Assessment.  Local Authorities have stand by veh c es to ensure remedial works or cleaning of the road surface can be undertaken f requ red.

	<p>pack</p> <p>Manholes and other covers causing slips, causing athlete loss of balance or damage to cycle resulting in falls and injury.</p>					<p>Highways agencies should check that all routes are in good condition prior to event and address any issues arising from temporary road works.</p> <p>Pre event course checks by Course Director who links with Local Authorities.</p> <p>Highways sections to secure remedial action before ride</p> <p>Gully and utility covers that will cause issues to have been identified and form part of the remedial works.</p> <p>Marshals are to be placed at regular intervals to ensure that road surfaces are clear of debris or any public waste.</p>					
Street Furniture	<p>G12 Co-s on by athletes with street furniture caused by approaching speed poor visibility, shape of approach, location of event in relation to street furniture resulting in injury.</p> <p>Athlete's collision with workforce standing on or near street furniture such as bollards raised central reservations etc.</p>	Athletes/ drivers/work force/public /pedestrians/ spectator	6	6	36	<p>A detailed assessment of the route has been undertaken by the sports specialists. This assessment details all the furniture which is likely to raise the risk to athletes taking part. Where possible the furniture will be removed and remedial works undertaken to ensure the surface meets the requirements of the event.</p> <p>Route signage rural and street furniture not likely identified to be an issue across the route.</p> <p>The athletes will not typically have the opportunity to familiarise themselves with the route before the event.</p> <p>Workforce on the route are competent and have undertaken similar work in the past. A work crew stewards and marshals will wear high viz vests.</p> <p>Where assessed necessary by the sports specialists marshals will wave flags and blow whistles in order to highlight the presence and to highlight any street</p>	6	2	12		

						<p>furn ture.</p> <p>Where necessary placement of visible crash padding will be used</p> <p>Dur ng the ead up to event day a cont nuous assessment w be undertaken of the works and street furn ture. Th s w be undertaken by the sports team.</p>						
Route Width	G 13	Narrow ng of ma n route congest on/co s ons	Part c pants	8	4	32	<p>Route has been se ected to minimise sections where narrow roads are used in general terms two traff c anes are ava ab e for cyc ng throughout.</p> <p>Cyclists released from start in separate waves to minimise potent a for overcrowd ng</p> <p>No sect on of the route shou d be less than 5m wide and these points shou d be kept to an abso ute m n mum and w need constant mon tor ng.</p> <p>Known bottlenecks will be staffed to perm t mon tor ng and deta s fed back to ECR if cyclist densities become such that r dersafety s comprom sed.</p> <p>Where necessary motos will be dep oyed to prov de advance warning and slow down cyclists</p>	6	2	12		
Pedestrian crossing points	G 14	restr cted f ow route jamm ng/co s on pedestrian congestion conf ct. Cyc e/pedestr an co s on	Participants Pub c	8	4	32	<p>Key cross ng po nts have been dent f ed n coord nat on w th oca author t es.</p> <p>Main pedestrian crossing points should be arranged to optimise cyc e f ow through cross ng by max m s ng w dth ava ab e to cyc sts.</p> <p>Key cross ngs to be act ve y managed by marshals/stewards under contro of competent supervisor</p>	6	2	12		
Downhill sections	G15	Downh sect ons ncrease n speed/crash	Part c pants	8	4	24	<p>Signage and marshals with flags to be used on route sect ons w th s gn f cant downh grad ents to</p>	6	2	12		

						<p>nd cate that speed shou d be restr cted</p> <p>Crash protect on (ba es etc) deployed where appropriate refer route RA.</p> <p>Med ca p an to ncorporate any necessary cover where speed may be a factor n any crash.</p>						
Course change in direction	G16	Tight changes in course direction bunching and co s on	Part c pants	6	4	24	<p>Course d rect on changes occur throughout the route.</p> <p>Bunch ng shou d not occur due to Start be ng set to contro fow of part c pants from start funne on to course.</p> <p>F ag marsha s, chevrons and hay ba es ocated on dent fed potent a y hazardous t ght or not obv ous turns.</p> <p>Cont nua mon tor ng of fow required with information being fed back to zone manager.</p> <p>Appropriate action taken if requ red.</p> <p>Loudhailers/whistles available for use at key ocat ons</p> <p>Local consideration of barriers and other protect ve measures to prov de protect on for pub c and part c pants.</p>	6	2	12		
Uphill Gradients	G17	Grad ents bunch ng, Riskincreasedinareasof h gh dens ty where hazardsarenotc ear y apparentduetodens tyof pack	Part c pants	8	4	32	<p>Cyc ng fans w be attracted to c mbs where r der speeds are ow and will congregate on route to urge the r ders a ong.</p> <p>Access to route s restr cted due to rural location so spectators on route s expected to be ow. A h c mbs n rura areas w th reduced access and not through v ages.</p> <p>Cons derab e exper ence of h c mb sect ons shows that crowds are good humoured and se f manag ng.</p>	6	2	12		Most interested cyc sts w be part c pat ng rather than v ew ng the event wh ch w moderate crowds.

							Local ssues to be managed w th stewards/flag wavers to identify any hazards.					
Installed Barrier systems	G 18	Barrier collapse trips and co s on	Part c pants /Pub c	8	6	48	It s not cons dered appropri ate or des rab e to nsta barr ers along cyc e routes the route s essent a y def ned by road w dth/kerbs.  Barr er dep oyment typ ca y restricted to areas of projected high crowd dens t es at start and f n sh and discrete locations along route see route p ans.  A route survey has been undertaken to establish the areas where barr ersshou dbep aced and the correct type of barr er.  Barr ers to be nsta ed by competent contractors where possible on pavements or the side of the road and away from crowd.  Pre event route inspection by Moto's allows problems to be h gh ghted and reso ved.  Moto Marshal/ Steward teams ava ab etoadjustbarr ersas requ red.  A f arms and bus nesses w be not f ed of the event day c osures	4	4	16		
Weather Conditions	G 19	Rain Wind Sun eat E ectr ca storm Fog	Staff, participants	6	4	24	In the event of severe weather conditions that constitute a severe r sk to hea th and safety of those on s te or tak ng part n the event the Safety Off cer w have the author ty to stop a act v ty unt cond t ons mprove.  In the event of weather wh ch s not so severe as to requ re immediate cessation of activity but where r sk to staff contractors or part c pants s cons dered to be s gn f cant y ncreased then the Safety Off cer w th the Event Management Team will decide on	4	2	8		Weather ong range forecasts will be checked for potent a prob ems from 14 days pr or to the event.  Rain unless severe is unlikely to cause s gn f cant d rrupt on to the event roadways rema n satisfactory when wet Grass areas w need to be assessed forsu tab tyand d vers ons app ed f necessary.  W nds n excess of 50mph

						<p>cance at on or add t ona r sk contro prov s ons.</p> <p>A staff w be asked to prov de the r own wet weather c oth ng. An adequate quant ty of h gh v s b ty b sw beava ab et of t over wet weather c oth ng.</p> <p>A staffw beadv sed to prov de hats and other sun protect on f necessary.</p> <p>Detailed advance guidance given to participants on the need to prepare for prevailing weather conditions nc ud ng the need to hydrate pr or to attending the event especially in hot weather See Webs te.</p> <p>Contingency plans to be developed for poor v s b ty n rura areas and for potent a e ectr ca storm potent a for de ay, cance at on, shortening or re routing of event as bef ts the c rcumstances.</p>					<p>may cause structural damage to tented structures and trees and w a most certainly require cancellation of the event. Forecast w nd speeds of over 30mph w need to be eva uated by the team before proceed ng.</p> <p>Branded barriers/flags may be affected by w nds and w be monitored/maintained by s te team.</p>
<b>Circulation of vehicles on route</b>	<p>G20 Co s on between: Sport vehicles and veh c es,</p> <p>Sport vehicles and nfrastructure,</p> <p>Sport vehicles and workforce,</p> <p>Sport veh c es and pub c,</p> <p>Sport vehicles and ath etes.</p> <p>Ath etes and ath etes</p>	Drivers athletes pub c.	8	4	32	<p>Advance design and planning of the route has taken p ace to ensure that a veh c es and ath etes can event safe y around the route.</p> <p>Some sections of the route where identified are identified as areas where arge crowds are go ng to gather and therefore these areas w be fenced accord ng y.</p> <p>Competent Marshals will be placed n these areas at regu ar nterva s to ensure that no unauthor sed vehicles access the route Some of the ess popu ar areas and rura areas w not be fenced. Marsha s w be ocated n these areas to warn pub c of the event f there are no cyclists visible and to ensure that farmers w th agr cu tura mach nery and farm an ma s are adv sed to c ear the route.</p> <p>Sport drivers/motos are appointed based on their experience relating</p>	8	2	16		

						<p>to driving on the route. They have driven cars/bikes in many other events. To ensure suitability of a driver a strict vetting process has been devised and run before appointing the driver. Once appointed extensive training and familiarisation is provided to all drivers of the route and areas.</p> <p>Continuous information provided to the drivers regarding persons or changes on the route.</p> <p>During the event there will be a dedicated medical team on route to respond to any injuries.</p> <p>All drivers will be aware of any street furniture and Marshaling locations.</p> <p>Route safety checks will be undertaken before and on event day to ensure agreed furniture has been removed and/or highlighted</p> <p>During the event, an advance safety vehicle will drive the route and advise on any changes or issues. Safety advisors will be in the vehicle throughout to address any safety issues. The safety vehicle will have adequate time before the event arrives to deal with any issues identified.</p> <p>All event drivers will drive at agreed speeds in miles per hour.</p> <p>There is adequate width available on the roads to allow the type of vehicles being used and the anticipated speeds.</p> <p>All drivers will hold a full driving license suitable for the vehicle in use.</p> <p>There will be suitable radio communication in place to notify drivers and others of any issues and so updates. A continuous update by</p>					
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						<p>rad o w be commun cated to a . drivers and Event Control in Event Contro of the event status.</p> <p>All venue areas will have adequate t me to ensure the route s c ear of a obstruct ons before the safety cars arr ve n the area.</p> <p>Suitable systems are in place to ensure a cross ng po nts are closed in advance of the event</p> <p>Checks by advanced route vehicles will be made to ensure the crossing points are closed and/or managed and the areas are sterile before the event arr ves.</p> <p>Eventru esare np acet to contro co s ons. Th s has been commun cated to a ath etes.</p> <p>There is suitable distance between athletes and support vehicles This w be ma nta ned at a t mes. If the veh c es dr ve too c ose to each other, or too c ose to ath etes then they w be not f ed by Marsha s. If they pers stent y do not fo ow the ru es then they w be removed from the route.</p> <p>A team dr vers are aware of the distances and have driven in these circumstances on a regular basis</p> <p>Drivers of all support vehicles to be briefed of specific areas of concern on the route nc ud ng t ght turns dent f ed for spec f c ment on n the route r sk assessment</p>					
<b>Pedestrians on route</b>	Pedestrian/Rider Collision	Participants Pub c,	8	4	32	<p>Pedestr ans can access route and wa ka ong the s de of the h ghway as per norma road cond t ons. Pedestr an access s perm tted under TTRO Various walking routes</p>	6	2	12		

						<p>meet/cross race route.</p> <p>Known locations Marshals signed to warn of event prior to crossing/waiting</p> <p>Cyclists briefing to include being aware of surroundings including emergency vehicles.</p> <p>Any areas that are deemed to have an unexpected high level of footfall to be responded to by motos for review and reactive measures instated.</p> <p>Spectator areas on route pre planned and managed by CSM Barrers provided to keep pedestrians off route.</p>					
<b>Spectator Points</b>	<p>Spectator/Cyclist collision on route</p> <p>Route narrowing caused by spectators infringing on route</p>	Participants Public	6	4	24	<p>Approx 10 locations on route that have been highlighted by CSM as spectator points. Community managed events with support from CSM.</p> <p>Infrastructure provided by CSM where appropriate to assist with protecting cyclists/spectators</p>	4	2	8		As advertised on CSM website
<b>Photographers/Media</b>	G21 Photographers positions congest on/corers on	Participants Public, Contractors	6	4	24	<p>Authorised Photographer locations selected which are off the main route so that queues do not impede flow.</p> <p>Public with cameras may access the route at any point and cyclists are briefed to be aware of the public</p>	6	1	6		
<b>Animals on route/verge</b>	G22 <p>Sheep/horses/ponies are known to be located adjacent to route in rural areas.</p> <p>Dogs and other animals may be present in more urban areas/adjacent to parks/ponds etc.</p> <p>Animals struck by vehicles during build and breakdown.</p> <p>an man on the route during</p>	Participants Competitors contractor staff.	6	6	36	<p>Route marshals/stewards/ Moto's warn for the area and advise cyclists of any potential issues as required.</p> <p>Marshals warn or stop the event occurring if the route can be cleared by an extreme cases.</p> <p>CSM Active to liaise with Police in respect of Travellers sites and loose horse/ponies at roadside.</p>	6	2	12		

	r de tme resu tng n co s on and njury.										
Flag Wavers/ Volunteer staff	G 24 nexperience of persons undertak ng ro e	Vo unteers Staff	4	6	24	A vo unteers are to be sent a br ef ng sheet conta ng nstruct ons for the r ro e pr or to the r dep oyment regard ng the f ag wav ng task.  Once n pos t on, pr or to the event arr v ng to the r ocat on, a vo unteers are to be v s ted by moto patrols to make sure they are happy w th the br ef and what s expected of them.	4	2	8		
Flag Wavers/ Volunteer staff	G25 Staff exposed to rain cold sun etc.	Volunteers Staff	4	4	16	Volunteers shall be advised to dress for the pred cted weather and adv sed to prov de the r own su tab e wet weather c oth ng and/ orto br ngsun b ock cream and hat.	4	2	8		
Flag Wavers/ Volunteer staff	G26 Poor/no we fare fac tes	Volunteers Staff	4	4	16	Su tab e permanent or temporary to et fac tes are n nearby ocat ons to wh ch the vo unteers can use w th adequate hand cean ng prov s ons.  Food & refreshments to be made ava ab e and prov ded to a vo unteers.	2	2	4		
Flag Wavers/ Volunteer staff	G 27 Impact/ Co s on w th Cyc sts resu tng n njury	Vo unteer Staff/ Part c pant cyc sts	6	4	24	A vo unteers are to be prov ded w th a ye ow f orescent vest, wh st e and trangu arye ow f ag as part of the r ro e. F orescent ye ow vests are to be of such as s ze that they can be worn over a outer garments nc ud ng any wet weather c oth ng.  Vo unteers on traff c s and s shou d stand on the s and but beh nd the frst tem (such as bo ard or f xed ra ng) f poss b e and are to sound the r wh st es n short sharp b asts and wave the r f ag as cyc sts approach.  The act on of sound ng the wh st e and wav ng the f ag w attract the cyc st's attent on of them and of the obstac e on wh ch they are stand ng.  Part c pant cyc sts have been br efed n pre event terature to be aware of obstacles and hazards on the route.	6	2	12		
Flag Wavers/ Volunteer staff	G 28 Poor/No f rsta d prov s ons	Volunteer Staff	6	2	12	Pub c f rst A d prov s ons are to be ava ab e at the event for vo unteer staff to use.	2	2	4		See a so Med ca P an

						<p>Information as to the first aid locations are to be provided to the volunteers, so they can identify the closest first aid post.</p> <p>In the event of a major incident involving a cyclist, the event doctor and convoy ambulances would be in attendance on scene as a matter of course.</p>					
<b>Flag Wavers/ Volunteer staff</b>	G 29 Physical or verbal Violence and abuse	Volunteer Staff	6	4	24	<p>Volunteers should only communicate to public agreed information.</p> <p>Volunteers carry mobile phones and have access to event control.</p> <p>Event control is to be made aware of incidents and allocate resources as necessary.</p>	6	2	12		
<b>Flag Wavers/ Volunteer staff</b>	G 30 Insufficient numbers of volunteers to cover positions identified in route assessments	A	6	4	24	<p>Volunteer recruitment program to ensure redundancy in numbers to ensure sufficient numbers available in the event of no shows.</p> <p>Moto's and paid stewards will be deployed to essential positions where volunteer numbers are too low.</p>	4	2	8		
<b>Correx Signs Wind Conditions</b>	G 31 Signs blowing away falling onto persons or property	Riders/ Public/Staff	6	4	24	<p>Correx panels are secured by cables to hold Correx in place.</p> <p>If winds expected to exceed 25mph decisions are required to not install, remove, or remove "Correx" referred to the Event Safety Coordinator.</p> <p>In use until positions are under observation by course stewards.</p>	6	1	6		
<b>Public Houses immediately adjacent to route</b>	G 32 Potential crowd hot spots for event  Potential for broken glass and/or associated issues	Public, cyclists staff	6	4	24	<p>Liaison to be undertaken with licensed premises to be made aware of Vélo event and any proposed activations at the Public House.</p> <p>Police (and local authority if available on Sunday) censuring officers to assist in liaison in advance and on event day where appropriate.</p>	4	2	8		CSMA Active cannot insist that censored premises use plastics outside the premises this is for censing team to enforce

						<p>Licencees will remain responsible for the premises</p> <p>Stewards deployed to premises locations where some crowds could reasonably be expected to be present for event</p> <p>Public order issues would remain remit of Police</p>					
<b>Overcrowding</b>	<b>G33</b> <i>Crushing</i>	P S	6	4	24	<p>Due to nature of event, crowd unlikely to push forward.</p> <p>Public unable to see where of interest and leave to seek alternative viewing area or leave site together.</p> <p>Crowd numbers are anticipated to be generally low across the entire event footprint based on considerable experiences of similar road event and mass participation events. 'Honey Pot' locations and centres of significant population will receive additional scrutiny to determine need for crowd control measures (e.g. start/finish/corridor and town centres)</p> <p>Crowd movements in busy areas to be closely monitored by event stewards with a view to restricting the build up of crowd pressures. Crowded areas to be reported up to Event Control as appropriate to the circumstances.</p> <p>Barriers will be deployed to control crowd build up and pressures where appropriate. See route plans</p>	4	4	16		
<b>Emergencies</b>	<b>G34</b> <p>hazards from the need to evacuate.</p> <p>Location area.</p> <p>Consider what may cause and how can be controlled.</p> <p>Free restriction on access for responding tenders</p>	P A S	10	8	80	<p>An emergency access plan will be agreed with the emergency services. See site plans</p> <p>Emergency announcements made over PA (back up power necessary) to give instructions to the public. This to be supplemented with loudhailers located with stewards.</p> <p>All access routes into controlled site areas to be stewarded.</p>	8	2	16		Evacuation of full site/sector/routes extremely unlikely, surrounding areas typically have sufficient capacity to move crowds away from any affected area.

	<p>Bomb Evacuate Risk d sorder oca sed.</p> <p>Evacuation e g collapse of structure.</p> <p>Zoned evacuation procedure to be agreed w th po ce.</p>				<p>Site RVPs to be marked on site p ans and on s te.</p> <p>Evacuat on strategy to be dependent upon nature of incident Pr nc p e w be to separate the pub c from the hazard and to ensure that ex t routes are ava ab e to safe areas.</p> <p>Evacuation routes and muster point to be determ ned by Safety Off cer in conjunction with ELT as required n event ve per ods.</p> <p>Staff muster po nt dent f ed n nduct ons.</p> <p>In the event of bomb threat, evacuat on w not take p ace to any car park. Adv ce of Po ce to be sought on cred b ty of threat.</p> <p>A evacuation of the pub cw be managed by Stewards only other site staff and officials etc will assist as d rected by the stewards.</p> <p>Emergency Vehicle RVPs to be nom nated by ELT to su t c rcumstances.</p>						
<b>Criminal or Terrorist Activity Leading to personal injury</b>	<b>G 35</b> njury Fatalities Disorder Damage to property	P A S	10	4	40	<p>Security plans to be made available to po ce.</p> <p>Stewards be vigilant and be aware of any Po ce cr me prevent on patro s.</p> <p>All areas to be checked by stewards for susp c ous tems pr orto event.</p> <p>A crowd act v ty to be mon tored by stewards at a t mes.</p> <p>A unacceptable behav our by members of the pub c to be dea t w th accord ng y.</p> <p>Bomb threats w be treated n accordance w th stand ng nstruct ons.</p>	10	1	10		

						<p>Liaison with police to establish ongoing security state.</p> <p>Security personnel to be placed on readiness to evacuate in the event of a threat being received.</p> <p>Police instructions to be sought.</p> <p>Control of event and stewarding resources handed over to Police in the event of a major incident.</p> <p>Liaison with Police CT SecCo in respect of Hostile Vehicle Mounted attacks to be deployed at key locations.</p> <p>Marshals and staff briefed on Run Hide Tell procedures in the event of armed attack by one actor - all event activities will be ceased once required and control of event handed over to Police.</p>					
Lost/Found Children and Vulnerable Adults	<b>G 36</b> Distress, Abduction Assault	P	8	2	16	<p>A lost child procedure (also applicable to vulnerable adults) will be put in place on the event site.</p> <p>Trained staff with enhanced CRB/DBS checks to work in Lost Child Facility. Systems put in place to minimise risk to any found child/vulnerable adult and staff in the area.</p> <p>Site procedures to be set out and briefed to all staff, stewards and volunteers.</p> <p>Communications between security control, lost child facility, Event Control and Police to be set out in procedures.</p> <p>Escalation to Police to be considered.</p> <p>Means of identifying parent/guardian and records to be kept set out in procedures.</p>	6	2	12		Note that it is not feasible to identify Lost Child repatriation points along a 100 metre route and the procedures must therefore allow for consideration.
Crowd Control	<b>G 37</b> Violence, disturbance, etc.	P A S	8	6	48	Use competent stewards from	6	4	24		

						<p>professional and experienced company.</p> <p>Volunteers are used to advise and guide on and do not have crowd management role.</p> <p>SA accredited stewards to be used where the stewards are undertaking licensable activities as defined by the SIA.</p> <p>Stewards to be directed by supervisors in radio contact with a control room.</p> <p>Chain of command, roles and responsibilities to be determined see Security Co stewarding plan document.</p> <p>Means of contacting Police for significant unrest or criminal activity agreed in pre event liaison</p> <p>Volunteers to be briefed on roles and actions in an emergency.</p> <p>Volunteer manager to advise with Stewarding manager on site daily</p>					
<b>Protests from local residents</b>	<b>G39</b> Residents blocking route Residents throwing tacks on route Residents erecting banners or signs  <i>Potential for cyclists to get punctures leading to crashes</i>  <i>Potential violent action by residents against staff</i>  <i>Bad publicity for region and event</i>	Cyclists staff volunteers	6	6	36	Local policing authorities attending SAGs have not advised of known hostilities  Route crews advised and briefed on procedures in the event concerns are discovered during event  Escalation to ECR.	6	2	12		
<b>Impact of event on local access issues for residents, social care, community health etc</b>	<b>G40</b> Road closure affecting ability of staff accessing places of work home visits for social care or community health	P	8	4	32	Liaison between CSMA Active and local authorities to determine where the road closures for the event would impact upon local services into the community.  In general terms access across the route is facilitated via Emergency	8	1	8		

						<p>and Local Access Points agreed between CSM and local authority (ELAP) and specific instruction/guidance issued to carers etc.</p> <p>Managed Access Plans may be developed following consultation between CSM Active and relevant parties to create a bespoke access plan for known issues along the route.</p>					
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### Section 6: Management of Route of Welfare Stops

This section should be read in conjunction with route risk assessment and route methodology planning

## Section 6: Management of Route of Welfare Stops

This section should be read in conjunction with route risk assessment and route methodology planning

Item	Drg No	Hazard & Effects	Persons Affected	Severity (S) x Likelihood (L) = Primary Risk (R) $S \times L = R$			Proposed and existing control measures			Severity (S) x Likelihood (L) = controlled Risk (R) $S \times L = R$	Further action required to mitigate risks not adequately controlled	Notes and comments
<b>Location of Rider Pit Stop Areas and Welfare Stop Areas</b>		<p>Access to water for riders</p> <p>Access to toilet facilities for riders</p> <p>Access to mechanical assistance for riders</p> <p>Access to medical assistance for riders</p> <p><i>Dehydration</i></p> <p><i>Urination in public areas</i></p> <p><i>Inability to continue riding route</i></p> <p><i>Personal injury and delay in treatment</i></p>	Participants Public	8	4	32	<p>In addition to general advice to riders regarding water and refreshments suitable for 100 mile route, CSM Active will provide a number of rider stop areas at intervals along the route to provide welfare support.</p> <p>Pit Stops will feature water, gels, food and toilets with medical and mechanical support to assist riders</p> <p>Addition of welfare stops will be provided with toilets and water for rider use.</p> <p>Location of stops to be proposed by CSM Active following route assessment to provide a good spread of rider stop areas relative to route features/distance.</p> <p>CSM to negotiate local permissions as required.</p> <p>Facilities and layouts designed by CSM Active.</p>	6	2	12		Rider Pit stop and welfare stop areas are to be identified on the route maps with one pit stop in each quarter of the overall route and several welfare stops with water and toilets
<b>Waste management</b>		<p>Waste arising from food/water</p> <p><i>Environmental impact</i></p>	Participants Public	6	6	36	<p>Volunteers at each welfare point will manage the area to collect a waste food/drink items and containers/wrappers and collect waste together.</p> <p>CSM Active to agree collection/disposal of wastes with relevant local authority for each site.</p> <p>CSM Active to ensure each welfare site is left 'as found'.</p>	6	2	12		

Rider congestion at welfare point entry/exit	Co s on <i>personal injury</i>	Pub c	6	2	12	<p>Each welfare area designed to separate riders entering and exiting the site so far as reasonably practicable.</p> <p>Signage and barriers provided where necessary.</p> <p>Welfare area manager to monitor cyclists and enforce changes to layout or parking of cycles as necessary to deconflict cyclist movements.</p>	4	2	8		
Lack of Water at Pit stops	Dehydration	Riders	6	4	24	<p>Water quantities at each station based on experience of previous events and reviewed based on 10 day/7 day/3 day weather forecasts</p> <p>Water from early welfare stations may be moved on to later stops where it meets.</p> <p>CSM Active to ensure they have access to additional water supplies on a contingency basis in the event of event day having high temperatures</p>	6	2	12	L	

## Section 7: Fire Risk Assessment

Item	Hazard Effects	Persons Affected	Severity(S)x Likelihood(L)= Primary Risk (R) $S \times L = R$			Proposed and existing control measures	Severity (S) x Likelihood (L) = controlled Risk (R) $S \times L = R$			Further action required to mitigate risks not adequately controlled	Notes and comments
Generators	E2 Fire and electrical shock	P/S	8	4	32	Where possible, consideration should be given to connecting units and lighting to main supplies. Where this is not possible a minimum number of shared generators to be used.  No petrol generators to be used.  Generators to be located in secure areas away from public.	6	2	12		An adequate number of tested and certified fire extinguishers of types suitable for use for the potential fire situations anticipated will be available for use from clearly signed "Fire Points" where appropriate in each structure and at each generator point.
LPG	E4 Fire, exposure	P/S	10	4	40	LPG to be limited to a maximum of one cylinder spare for each one in use at each unit.  LPG at units to be secured against topping.  Vehicles and units to be checked on a regular basis for compliance.  Unit operators to submit certificate in advance that gas installation has been installed and checked within the last three months by Gas Safe Register approved contractor. Details to be vetted in advance of setting by the Safety Officer.  LPG storage facility to be established remote from main event infrastructure at an agreed location. LPG to be stored in suitable cages where appropriate	6	2	12		An adequate number of tested and certified fire extinguishers of types suitable for use for the potential fire situations anticipated will be available for use from clearly signed "Fire Points" where appropriate in each structure and at each generator point.

						<p>Details subject to review with the fire officer.</p> <p>Wires and connections to comply with current regulations and be in good condition. Any defective equipment to be taken out of use.</p> <p>LPG containers at site to be secured and located away from public access to prevent tampering.</p>						
Waste Storage	E6	Fires	P/S	8	4	32	<p>Waste storage close to units to be provided in metal skips in secure locations away from main public areas.</p> <p>Waste to be cleared on a regular basis to a suitable location and removed off site by cleaning contractor.</p> <p>Food waste to be disposed of in sealed bags/containers.</p>	6	2	12		
Partner activations	E7	Unsuitable displays	P	6	4	24	<p>Partners will be required to complete a basic risk assessment form and indicate scope of activity and safety range.</p> <p>Unsuitable activities to be prohibited.</p> <p>Unsuitable materials/goods, flares, fireworks, etc. to be prohibited.</p> <p>Stalls to be monitored by security for compliance.</p> <p>Structure of trader's stall to be checked for stability by Safety Officer.</p> <p>Bespoke structures will be required to be accompanied by specific RAMS and structural details as required.</p>	4	2	8		
Registration Area - Electrical	E12	Shock or burns also fires from faulty or unsuitable equipment/cables, adverse weather conditions affecting	Site staff, contractors public.	8	6	48	<p>All electrical equipment and generators to be supplied and installed by reputable, pre-vetted competent contractors.</p>	6	2	12		All electrical installations and equipment should comply with the general requirements of the Electricity at Work

		certain equipment.					All electrical systems to be designed 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 with an operating time not exceeding 50ms.  All generators distribution boxes etc. to be positioned/enclosed to prevent unauthorised access.  A competent person should test and certify all electrical installation as to the safety on completion.  A competent electrical contractor should be available to deal with any problems should they arise					Regulations 1989, i.e. installed, tested and maintained in accordance with the latest edition of the Institution of Electrical Engineers "Regulation for Electrical Installations" and other relevant guidance.  Regard will be paid to SE Guidance Note GS50: "Electrical Safety for Places of Entertainment" and BS7909 "Code of Practice for temporary electrical systems for entertainment and related purposes"
Emergency Vehicle Access	S8	Movement of emergency vehicles in start zones if required.	Competitors staff & public	8	2	16	Adequate access to all points within the site.  Agreement with Medical Provider that ambulance movement will be restricted and that patients will be moved to ambulance rather than vice versa.  Ensure clear and rapid communication between stewards and relevant emergency services Central control point/key coordinator staff to be informed of progress at all times.	8	2	16	Ambulance & First Aid Points and Evacuation Routes need to be identified on site plan.	
Fire	S13	Fire arising from waste	Contractors staff, volunteers cyclists.	10	4	40	Suitable waste containers will be provided to prevent accumulations of combustible material.  Regular site cleaning during event to prevent build up.	6	2	12		NB The Start Coordinator's ultimate responsibility is for fire safety on site and will check that reasonably practicable precautions are in place to prevent fire starting; that there are adequate means to evacuate the areas and to give a first aid firefighting capability by on-site checks prior to and during the event. The Start Coordinator will be

												assisted nth sro eby the Safety Off cers The event area is generally open giving ease of access to f re app ances and to allow localized and general evacuation away from any f re shou d t start.
Fire	S14	F amma b ty of structures	Contractors staff, volunteers cyc sts.	10	4	40	All public or staff access structures to be nherent y f re res tant or treated to render them so as appropriate to circumstance Start D rector to check pr or to use.	6	1	6		
Fire	S15	Sources of lgn t on	Contractors staff, volunteers cyc sts.	10	4	40	There w be m ted sources of gn t on on s te Smok ng s not perm tted w th n any structure and actively discouraged across the site	6	1	6		
Fire	F4	F res ar s ng from waste	Contractors staff, volunteers pub c	10	4	40	Su tab e waste conta ners w be provided to prevent accumulations of combust b e mater a .  Regular site cleaning during event to prevent bu d up.	6	2	12		N B The Finish Director is ultimately responsible for f re safety on s te and w check that reasonab y pract cab e precaut ons are n p ace to prevent f re start ng; that there are adequate means to evacuate the areas and to g ve n t a frst ad f ref ght ng capab ty by ons te checks pr orto and dur ng the event. The F n sh D rector w be assisted nth sro eby the Safety Off cers who w oversee any evacuation of tents etc.  Telephone communication w be ava ab e on s te to summon the Fire Service in the event of a f re.  The event area is generally open giving ease of access to f re app ances and to allow localised and general evacuation away from any f re shou d t start.
Fire	F5	F amma b ty of structures	Contractors staff, volunteers	10	4	40	No large public assembly structures are prov ded as part of the event.	6	1	6		

			pub c				All public or staff access structures to be nherent y f re res tant or treated to render them so as appropriate to circumstance Event Manager to check pr or to use.					
Fire	F6	Sources ofIgn t on		10	4	40	There w be m ted sources of gn t on on s te Smok ng s not perm tted w th n any structure and activelydiscouragedacross thesite	6	1	6		
Electrical	F7	Shockorburns alsofires fromfau tyorunsu tab e equ pment/cab es, adverse weather cond t ons affect ng certa n equ pment.	S te staff, contractors pub c.	8	6	48	A e ectr ca equ pment and generators to be supp ed and installed by reputable pre vetted competent contractors.  A e ectr ca systems to be des gned constructed and maintained in a condition suitable for use n the open a r; andw be protected as necessary by 30mA res dua currentc rcu tbreakers w th an operat ng t me not exceed ng 50ms.  All generators distribution boxes etc. to pos t oned/enc osed to prevent unauthor sed access.  A competent person shou d test and certify all electrical installation as to the r safety on comp et on.  A competent e ectr ca contractor should be available to deal with any prob ems shou d they ar se	6	2	12		A e ectr ca nsta at ons and equ pment shou d comp y w th the genera requ rements of the E ectr c ty at Work Regu at ons 1989, .e. nsta ed, tested and maintained in accordance w th the atest ed t on of the Inst tut on of E ectr ca Engineers "Regulation for Electrical nstallations" and other re evant gu dance. Regard will be paid to SE Gu dance Note GS50: "Electrical Safety for Places of Enterta nment" and BS7909 "Code of Practice for temporary e ectr ca systems for entertainment and re ated purposes".
Evacuation/ Emergencies	G5	F re, BombA ert	A	10	4	40	Intheeventofa oca sed nc dent affect ng a sma sect on of the route, marsha s n p ace to ho d part c pantsatpo nt affected and at locations back along route so as to preventovercongest onatone po nt. Marsha sa soava ab e to clear route to a ow access and egress of emergency serv ces veh c es.  If ho d at any one po nt s to be for an extended per od then Event Contro n a son w th author t es to cons der opt ons nc ud ng localised diversion shortening of	8	1	8		

						<p>route.</p> <p>If incident has a wider impact on route then through ELT decision can be made to abandon event.</p> <p>Based on circumstances, participants would be instructed by marshals at key points to leave the event by the most appropriate route return to home or if necessary to assembly areas (designated based on circumstance) if certain routes are not available and occurred versus not possible.</p>					
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<b>Emergencies</b>	<p><b>G35</b> Hazards from the need to evacuate.</p> <p>Location or area.</p> <p>Consider what may cause and how can be controlled.</p> <p>Free restriction on access for responding tenders</p> <p>Bomb Evacuate Risk disorder occasioned.</p> <p>Evacuation e.g. collapse of structure.</p> <p>Zoned evacuation procedure to be agreed with police</p>	P A S	10	8	80	<p>An emergency access plan will be agreed with the emergency services. See step 4</p> <p>Emergency announcements made over PA (back up power necessary) to give instructions to the public. This to be supplemented with loudhailers located with stewards.</p> <p>All access routes into controlled site areas to be stewarded.</p> <p>Site RVPs to be marked on site plans and on site.</p> <p>Evacuation strategy to be dependent upon nature of incident</p> <p>Principle will be to separate the public from the hazard and to ensure that exit routes are available to safe areas.</p> <p>Evacuation routes and muster point to be determined by Safety Officer in conjunction with ELT as required in event of emergencies.</p> <p>Staff muster point identified in induction.</p> <p>In the event of bomb threat, evacuation will not take place to any car park. Advice of Police to be sought on credibility of threat.</p> <p>Evacuation of the public will be managed by Stewards only other site staff and officials etc will assist as directed by the stewards.</p> <p>Emergency Vehicle RVPs to be nominated by ELT to suit circumstances.</p>	8	2	16		Evacuation of full site/sector/routes extremely unlikely, surrounding areas typically have sufficient capacity to move crowds away from any affected area.
<b>Electrical equipment</b>	<p><b>B-3</b> Electrical Shocks or Burns</p>	S	8	4	32	<p>And voltage contractors own power supplies to be certified as appropriate.</p> <p>Use of 110V or battery operated tools where practicable to be proposed by contractors.</p>	6	2	12		

						<p>Portable tools etc to be examined and certified.</p> <p>No petro generators will be allowed to be used on site advised to contractors in advance</p> <p>Safety Officer/Site Manager to refer any suspect items to site electrician for review defective items to be taken out of use.</p> <p>All contractors will be required to manage their own working areas including cable management to minimise trip hazards.</p>						
Fire	B-4	<p>Combustible materials in packaging etc.</p> <p>Fuel in generators</p> <p>Hot Works</p> <p>Smoking</p> <p>Damage by fire or smoke to persons and/or property</p>	P S	8	4	32	<p>All contractors will be instructed in the arrangements to keep combustibles to a minimum.</p> <p>All combustibles to be placed in metal skips/bins as soon as practicable and cleared off site</p> <p>Provide fire extinguishers to structures and general working areas etc. during build period</p> <p>Petro generators must not be used on site.</p> <p>Flammable substances used on build to be identified by individual contractor and control measures identified in the RRA.</p> <p>Generators and plant to be located such that heat from engines and exhausts do not affect any heat sensitive materials/surfaces.</p> <p>In the event of dry conditions presenting a fire hazard on grass and similar surfaces etc. the initiating contractors should review any proposed hot works or other sources of ignition and take appropriate steps to minimise risk of fire spread.</p>	6	2	12		

						<p>No hot works are proposed at the event site.</p> <p>All internal areas to be non smoking throughout in accordance with legislation. Signage erected as appropriate.</p> <p>Crew briefed during induction that smoking is not permitted on site during build period except in designated locations.</p>					
<b>Use of Chemicals and Substances potentially harmful to health</b>	<b>B-21</b> Toxic substances Flammable materials  Injury, burns, fire due to contact with skin, eyes, inhalation	P S C	6	6	36	<p>Contractors to minimise quantities of any such substances on site to minimum required and in the first instance seek to replace with less hazardous alternatives.</p> <p>All contractors bringing any chemicals or substances to site for use on the build will ensure that they are accompanied by a COS data sheet and that all recommended precautions are taken by operatives, including safety zones and PPE.</p> <p>Contractors to ensure the staff are suitable trained in use/application of such substances.</p> <p>Data sheets to be copied to the Safety Officer in advance and supplied to mechanics on site.</p> <p>Chemicals to be stored as per MSDS.</p>	6	2	12		

## Section: 8 Construction Processes

This section should be read in conjunction with the contractor/ partner RAMS

Item	Hazard Effects	Persons Affected	Severity(S) x Likelihood(L) = Primary Risk (R) S x L = R			Proposed and existing control measures	Severity (S) x Likelihood (L) = controlled Risk (R) S x L = R			Notes and comments
Arrival and site installation procedures	<p>B 1 Failure to maintain control of equipment</p> <p>Vehicle/vehicle impacts</p> <p>Vehicle/pedestrian impacts</p> <p>Vehicle/park infrastructure impacts</p> <p><i>Damage to vehicles/infrastructure</i></p> <p><i>Personal injuries</i></p>	P S	8	4	32	<p>A Safety Officer should be appointed to oversee the work of installation and to assist with event management, contractors and statutory authorities. Production Manager assumes this duty in absence of Safety Officer</p> <p>Load may necessitate road closure or traffic/people management Overnight load may be beneficial.</p> <p>Temporary barriers will be erected around construction areas during build/dismantle where there are hazards to the public or other staff working on site.</p> <p>A contractor vehicles/pedestrian movement to be supervised. Contractors to provide banksmen for the operations.</p> <p>All persons to be trained and competent for the task being undertaken.</p> <p>A 5mph speed limit to be enforced across all working areas of the site</p> <p>Hazard warning indicators are only to be used whilst stationary; these must be turned off before moving to prevent confusion when approaching turns on site. Traffic marshals to enforce.</p> <p>Site induction to be given to all staff arriving on site. This to be given by Safety Officer/ Site Manager and all delivery drivers to be briefed by stewards on arrival.</p>	4	2	8	<p>Inspections may also be made by Local Authority staff in connection with the licensing of the structures as obstructions on the highway</p> <p>Refer also to Contractors generic and site specific Risk Assessments</p>

						Contractors to be issued with Site rules in advance and each contractor will be responsible for their own working area as required by the site rules.					
Interaction with public	B 2	Collision of vehicles MEWPS Slips Trips Falls Crush injuries Equipment Falling from height	S, P, C	6	4	24	A contractors and suppliers receive a site briefing upon arrival.  Work areas to be cordoned off.  All vehicles must have a banksman in attendance.  Site specific RAMS submitted prior to arrival.  Sufficient lighting on site.  All suppliers provide evidence of operator/ technician/ employee competence.  PPE must be worn including H/V complying with EN 471:2.	6	2	12	Please see contractor RAMS and contractor briefing doc.
Lighting	B 2	Insufficient visibility for working	S	6	4	24	Site Manager to ensure adequate lighting everywhere where build/dismanting is undertaken during hours of darkness. Provision of work specific lighting as required  Most activities are programmed for daylight hours in schedule.	6	2	12	Street lighting visibility of build areas typically adequate.

Electrical equipment	B 3	Electrical Shocks or Burns	S	8	4	32	<p>All individual contractors own power supplies to be certified as appropriate.</p> <p>Use of 110V or battery operated tools where practicable to be proposed by contractors.</p> <p>Portable tools, etc. to be examined and certified.</p> <p>No petrol generators will be allowed to be used on site advised to contractors in advance.</p> <p>Safety Officer/Site Manager to refer any suspect items to site electrician for review defective items to be taken out of use.</p> <p>All contractors will be required to manage their own working areas including cable management to minimise trip hazards.</p>	6	2	12	
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Fire	B 4	<p>Combustible materials in packaging etc.</p> <p>Fuel in generators Hot Works Smoking</p> <p><i>Damage by fire or smoke to persons and/or property</i></p>	P S	8	4	32	<p>A contractors will be instructed not to briefings to keep combustibles to a minimum.</p> <p>All combustibles to be placed in metal skips/bins as soon as practicable and cleared off site.</p> <p>Provide fire extinguishers to structures and general working areas etc. during build period</p> <p>Petro generators must not to be used on site.</p> <p>Flammable substances used in build to be identified by individual contractor and control measures identified in the RRA.</p> <p>Generators and plant to be located such that heat from engines and exhausts do not affect any heat sensitive materials/surfaces.</p> <p>In the event of dry conditions presenting a fire hazard on grass and similar surfaces etc. the initiating contractors should review any proposed hot works or other sources of ignition and take appropriate steps to minimise the risk of fire spread.</p> <p>No hot works are proposed at the event site.</p> <p>All internal areas to be non smoking throughout in accordance with legislation Signage erected as appropriate.</p> <p>Crew briefed during induction that smoking is not permitted on site during build period except in identified locations.</p>	6	2	12	
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<b>Storage of Materials</b>	B 5	Unsafe stacking or collision <i>Falls trips, impacts</i>	P S	8	4	32	<p>Safe storage locations to be identified by contractors in advance.</p> <p>Off loading of materials from transport to be covered by supplier RA</p> <p>Off loading to be undertaken onto paved surfaces or trackway pads as agreed with site manager</p> <p>Fencing, cones, hazard tape and hazard lighting to be erected as necessary where public have access or where there is a significant risk of vehicle/cyclist collision.</p> <p>Security may be needed if left unattended.</p>	4	2	8	
<b>Welfare and First Aid</b>	B 6	Lack of Welfare and First Aid Issues	P S	8	2	16	<p>Each contractor must provide own first aid provisions in respect of their own work activities.</p> <p>Contractors Site manager to call emergency services if public injured</p> <p>If working overnight, access to sanitary facilities should be available.</p> <p>Toilets available from supplier for Ladies.</p> <p>Provision of formal first aid services on site during periods of event but with elevated risks of injury.</p>	2	2	4	

<p><b>Lack of protection for head, hands, feet, ears.</b></p>	<p>B 7</p>	<p>Head impacts due to impacts with structure or falling objects (wear head protection)</p> <p>Cuts whilst handling materials (gloves)</p> <p>Materials dropped on foot (toe protection)</p> <p>Ejected materials/sparks (Goggles)</p> <p>Inhalation of dust or noxious materials (dust mask or better)</p> <p><i>Personal injuries arising from work activities</i></p>	<p>S</p>	<p>6</p>	<p>6</p>	<p>36</p>	<p>Individual contractors to be responsible for ensuring that they have appropriate Personal Protective Equipment (PPE) for the activities which they are undertaking as detailed in the risk assessments and will ensure the exclusion of other persons from areas where PPE is required.</p> <p>PPE requirements to be detailed in contractor Risk Assessments and method statements.</p> <p>Contractors should ensure that areas requiring PPE remain off limits until safe Event Safety Coordinator to monitor this.</p> <p>Allowing areas to require a minimum of H V z and toe protection during building and dressing hard hat areas to be defined by Site Manager/Safety Officer in conjunction with contractors and enforced.</p> <p>Signage required to specify construction areas to be arranged with Site Manager</p>	<p>6</p>	<p>2</p>	<p>12</p>	
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Manual Handling	B 8	Back injuries, strains, sprains etc	S	6	4	32	<p>Task specific risk assessment by individual contractors.</p> <p>Manual handling training for staff of contractors responsibility of contractor.</p> <p>Contractors to determine appropriate method of lifting/movement of individual items Plant /mechanical handling to be used where appropriate.</p> <p>Deliveries made to point close to final use where practicable to minimise manual handling requirements Use of sack trucks and trolleys to be detailed by contractor.</p> <p>Contractor's supervisor to remain responsible for briefing staff not to lift loads without supervision if they are heavy, bulky, difficult to grasp or unstable in any way.</p>	6	2	12	
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<b>Erection and Breakdown of Structures</b>	B 9	<p>Falling materials <i>impact injuries</i></p> <p>Veh c e movement <i>impact with persons or structure</i></p> <p>Unstable part completed structures <i>collapse</i></p>	P S	10	4	40	<p>A structures to be erected by approved contractors who will have been vetted n advance by Event Safety Co ord nator.</p> <p>The safety of the contractor's emp oyees s the respons b ty of the contractor The Event Safety Co ord nator/S te Manager w however. ntervene f unsafe work ng pract ces are observed.</p> <p>Areas where erect on tak ng p ace must be "off m ts" to others not tak ng part. Such work ng areas shou d be fenced off and/or stewarded. Construct on s te signage erected where appropriate</p> <p>If work ng on or adjacent to a road and espec a y on a nght, h gh v s b ty jackets shou d be worn.</p> <p>Head protect on/PPE shou d be worn where deta ed n the supp ers RAMS.</p> <p>Method Statements and/or R sk Assessments to be prov ded.</p> <p>Erection sequence determined by contractor to m n m se r sk of co apse.</p> <p>Plant used to be suitable for the task at hand and operated by competent persons. A p ant operat ons to be deta ed by contractor.</p> <p>Work ng at heght ssues to be addressed n method statements and r sk assessments.</p> <p>Contractor to be respons b e for br ef ng the r staff on safe systems of work for the nd v dua structure.</p>	6	2	12	
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<b>Incorrect and/or Unstable Structures</b>	B 10	Potent a for tota or part a co apse.	P S	10	4	40	<p>Pans, spec fcat ons and calculations for all structures should be made read y ava ab e for examination by interested parties to a ow checks to be made on the su tab ty of the f n shed structures n ght of the ntended use and foreseeab e over oad cond t ons.</p> <p>The structures to be erected by contractors who have had the r health and safety standards vetted</p> <p>The f na structure shou d be subjected to an ndependent erect on check by a structura eng neer or other competent person and/or comp et on cert f cated.</p> <p>The Event Safety Co ord nator should intervene if serious breaches of safe pract ce by contractors are observed.</p> <p>The supplier must detail all required ba ast for the structure and a wnd speed act on plan for standby or evacuaton f the wnd speed s exceeded.</p>	6	2	12	
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Weather Conditions	B 11	<p>Adverse weather causing hazards, .e. ce, h gh winds heavy rain snow Exposure to extreme weather cond t ons</p> <p><i>Hypothermia heat exhaustion sunburn</i></p> <p>Dry conditions giving rise to s te hazards e.g. dry grass</p> <p><i>Fire</i></p>	S P	10	4	40	<p>In the event of severe weather wh ch const tutes a severe r sk to the hea th and safety of those on site the Event Safety Co ordinator w have the author ty to stop a ctivities until conditions improve</p> <p>Access to su tab e and suff c ent welfare facilities and drinking water to be prov ded.</p> <p>Use of sunblock wet weather gear etc. contractor to br ef the r staff and make adequate prov s on</p> <p>S te staff and contractors to prov de the rown wet weather and s m ar c oth ng commensurate w th the ant c pated weather cond t ons</p> <p>In the event of dry cond t ons present ng a f re hazard on grass and similar surfaces etc the Safety Off cer and n t at ng contractors must rev ew any proposed hot works or other sources of gn t on and take apprpr ate steps to m n m se r sk of f re spread.</p> <p>Safe working arrangements in high winds to be reviewed by Contractor n conjunct on w th Safety Off cer where apprpr ate.</p>	6	1	6	
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<b>Site Clearance</b>	B 12	<i>Cuts and puncture wounds</i>	P A S	6	4	24	<p>Site to be thoroughly cleared prior to public congregation and after site clearance/get out.</p> <p>Appointed cleansing contractor will undertake general street cleaning. The contractor will be required to remove debris and detritus from their working area before handover.</p> <p>Any persons required to enter site must be provided with suitable protective clothing and gloves by their employer. All persons involved must be made aware of the potential health risks.</p>	6	1	6	
<b>Working Hours</b>	B 13	<p>Prolonged working hours working at night</p> <p><i>Fatigue</i> <i>Lack of concentration</i></p>	P S	8	4	32	<p>Production schedule to be generated indicating extent of working hours.</p> <p>Contractors to select staff and staff numbers to suit anticipated working hours.</p> <p>For prolonged site working periods access to adequate welfare facilities should be considered.</p> <p>Safety Officer, in consultation with the Production Manager, to have authority to suspend work where there is a perceived increased risk due to fatigue.</p> <p>Lone working on site is not recommended. Contractors working alone must advise the event team accordingly and make arrangements for regular reporting.</p>	6	2	12	

<b>Forklift Trucks/ Telehandlers</b>	B 14 Unstable loads, vehicle/pedestrian collisions overturning	P S	8	4	32	<p>Activities requiring the use of forklift truck/telehandlers will be identified and the appropriate equipment used. This to be covered in Contractor RAMS.</p> <p>All equipment operators should be appropriately certified and competent. The Safety Officer will request the operator to undertake appropriate test on site if there is any doubt over competency due to the manner of plant operation.</p> <p>Staff deemed to fail such tests will be excluded from site or removed from plant use and the employer advised accordingly.</p> <p>Contractors bringing plant to site will identify the operators in advance and will ensure they provide the client with proof of competence.</p> <p>Items of plant hired in by Site Manager will only be used by experienced site crew with the appropriate certification which must be checked by the site manager/Safety Officer. No other operators will be allowed to use the plant on site.</p> <p>The contractor will provide banksman as required by the operations. Other plant operations will be stewarded by the contractor as appropriate.</p> <p>Plant must operate with audible reversing warning and operate with flashing lights.</p>	8	2	16	
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					<p>Plant operations to be planned by contractors to minimise reversing movements as far as practicable. All reversing movements must be attended by banksman/traffic marshal.</p> <p>Plant operations adjacent to areas open to the public should be suitably marshalled. Contractors should provide competent banksman as required.</p> <p>Moving plant should not use hazard warning indicators as this causes confusion when approaching turns.</p> <p>A 5mph speed limit to be enforced on site.</p> <p>Operators must ensure that keys are not left in the plant when left unattended.</p> <p>Engines to be switched off when not in use.</p> <p>Operators to remain responsible for equipment in use including prevention of overloading, stability and security of loads, prevention of lifting or carrying persons.</p> <p>Operator will be responsible for checking area is clear of overhead cables/obstructions and also obstructions/cable/cable ramps and the keel at ground level.</p> <p>Plant is not to be used for carriage of passengers unless specifically designed for that purpose.</p> <p>Operators to be aware of limitations on use of equipment on ground that is not flat/level and soft or unstable ground.</p>				
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Contractor Competency	B 15 injury to people working on site.	S P	6	4	24	<p>Method statements and risk assessments procured from a contractors undertaking tasks for the event. These to be reviewed by site manager and Safety Officer prior to work commencing on site.</p> <p>In the event that the contractors' documents do not cover the proposed work activities, the site manager/Safety Officer will require a resubmission of the documentation prior to work being allowed to start.</p> <p>Contact details of a contractors to be logged in event manual and distributed to all event personnel.</p> <p>All contractors and crew to wear high visibility fluorescent jackets during main build/breakdown periods and especially where plant movements prevalent. Class 2 clothing recommended for areas with vehicular movement.</p>	4	4	16	
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Working at Height	B 16 Fa s, fa ngobjects	S	6	4	32	<p>Where practicable work at height to be avoided and others so ut ons found.</p> <p>Jobspec f cr skassessmentto be undertaken by nd v dua contractors. The contents of th sto be br efed to operat ves by the n t at ng contractor.</p> <p>All people working at height above 2 metres to have received training appropriate to the task at hand.</p> <p>Use of appropriate access equipment and/or harnesses where necessary to be deta ed n Contractor RAMS Contractor to be responsible for selection and use of th s equ pment.</p> <p>Ladders may be used subject to a safe work ng procedure be ng estab shed fo ow ng a r sk assessment. Three po nts of contact to be ma nta ned.</p> <p>Ladders to be checked by contractor prior to use damaged adders must be taken out of use and secured aga nst future use.</p> <p>Ladders to be footed and t ed off wh st n use.</p> <p>Rescue protocols for persons work ng at he ght to be set out n the contractor method statement and a appropriate equ pment prov ded.</p> <p>Areas be ow persons work ng at he ght to be off m ts to other non essential staff area to be secured by tape ne/barrer/s gnage as appropriate. Use of head protection as required by essential staff be ow overhead works.</p> <p>Too s and other tems to be secured by lanyards as appropriate</p>	6	2	12	
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<b>Restricted Time Scale</b>	<b>B-17</b>	Limited time for construction of temporary structures may lead to unsafe shortcuts being taken and fatigue due to insufficient rest between construction and breakdown	Site Staff, contractors and public	8	4	32	<p>Scaffold and temporary structure contractors to have a nominated person on site during build and break periods to monitor and control activity within companies own H&amp;S procedures.</p> <p>Safety Officer on site to monitor and intervene where activities clash with event team, public or other contractors or if high risk activity observed not to be being managed</p>	8	2	16	
<b>Working close to or on highway</b>	<b>B-18</b>	Collision with moving vehicles	Staff, Public	6	6	36	<p>Where possible so that working areas to be considered and planned</p> <p>Staff to be suitably trained in working adjacent to highway and to have specific advice on specific hazards</p> <p>Vehicle carrying load to be used as protection of staff and have a spotter to give warnings of moving vehicles.</p> <p>Suitable PPE ( i.e. high vis tabards/jackets) must be worn. Class 2 clothing recommended for areas with vehicular movement.</p>	2	6	12	

Branding	B-19 Falls of branding onto persons below	Staff, Public	6	4	24	<p>A branding should be fixed in a secure manner.</p> <p>A fixing being used to secure branding should be fit for purpose.</p> <p>A fixing on the branding and on the venue areas should be structurally sound.</p>	6	2	12	
Use of knives and tools.	B-20 Contact with blades, moving parts of tools or sharp edges.	Staff	6	4	24	<p>Where possible safety knives should be used.</p> <p>If normal knives are being used then minimum amount of blade should be exposed whilst being used. When not being used the blade should be retracted.</p> <p>Tools being used should be fit for purpose.</p> <p>Appropriate gloves to be worn</p>	4	2	8	

<p><b>Use of Chemicals and Substances potentially harmful to health</b></p>	<p><b>B-21</b> Toxic substances Flammable materials</p> <p><i>Injury, burns, fire due to contact with skin, eyes, inhalation</i></p>	<p>P S C</p>	<p>6</p>	<p>6</p>	<p>36</p>	<p>Contractors to minimise quantities of any such substance on site to minimum required and in the first instance seek to replace with less hazardous alternatives.</p> <p>All contractors bringing any chemicals or substances to site for use in the building ensure that they are accompanied by a COS data sheet and that all recommended precautions are taken by operatives, including safety zones and PPE.</p> <p>Contractors to ensure the staff are suitable trained in use/application of such substances.</p> <p>Data sheets to be copied to the Safety Officer in advance and supplied to mechanics on site.</p> <p>Chemicals to be stored as recommended by the data sheet when not in use.</p>	<p>6</p>	<p>2</p>	<p>12</p>	
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<b>Offloading and Loading of delivery vehicles</b>	<b>B-22</b> Reversing fork lifts Blocking of access routes Stability of loads/falling objects  <i>Impact with vehicles or persons</i>	P S C	8	4	32	<p>Event product on team to determine vehicle delivery schedule and drop zones to ensure minimum disruption on public highway.</p> <p>Delivery to park/road areas to be agreed with Local Authority as required and temporary warning signage placed as appropriate.</p> <p>Care to be taken when opening curtains side trailers/or trailer doors to minimise risks of loose objects falling.</p> <p>Banksman to be assigned to all load/unload areas to facilitate fork lift movement</p> <p>Helmets to be worn by all staff necessary in load/unload area</p> <p>Load/unload area to be kept clear of unnecessary staff fence or tape off area if required.</p> <p>Vehicles parked for any period to have site passed by driver contact details</p> <p>Delivery areas to be located in close proximity to facility where practicable to minimise fork lift movements.</p> <p>Loads to be adequately secured to satisfaction of driver before being taken onto public highway.</p> <p>No parking on public highway permitted.</p> <p>5mph speed limit to be enforced.</p> <p>Warning lights are not to be used when vehicles not in motion. Engines to be switched off when vehicles not in motion.</p>	6	2	12	
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						<p>Reversing movements are to be minimised whilst on site. Banksman to assist in reversing movements.</p> <p>Drivers to provide their own PPE as required for unloading and working/access onto site.</p>				
<b>Lifting Operations</b>	B-23 Insecure loads, failure of lifting equipment falling objects	S C	8	4	32	<p>Lifting operations to be planned and appropriately supervised.</p> <p>Lifting equipment and operations to be in compliance with LOLER.</p> <p>Contractors undertaking lifting operations will ensure that a responsible person is nominated to be in charge of the lifting operation.</p> <p>Person in charge of lift to undertake site checks for overhead obstacles and power cables and verify stability of surfaces where lifting equipment is in use.</p> <p>All persons involved in the lifting operation to be trained and competent to perform the task in accordance with national standards.</p>	6	2	12	
<b>Intoxication or Impairment due to consumption of Drugs or alcohol</b>	<b>B-24</b> Injury or accident caused by attention related to intoxication	S P C	8	4	32	<p>Staff advised of zero tolerance policy prior to commencing work on the site.</p> <p>The Safety Officer or production manager will have authority to remove any person off site who is suspected to be under the influence of any intoxicating substance.</p>	4	2	8	
<b>Fumes/ exhaust emissions</b>	<b>B-25</b> Crew working near/loading/unloading vehicles inhale exhaust fumes	P C	2	4	8	<p>Maintain 4m distance from working in the vicinity of the vehicle whilst packing barriers etc.</p> <p>Switch off engine when loading/unloading.</p>	2	1	2	
<b>Noise</b>	<b>B-26</b> Damage to hearing  Noise nuisance off site	P S C	4	4	16	<p>Work areas where noise is expected to exceed over 80dB (A) over an 8 hour period are to be identified and signed.</p> <p>The site manager/Safety Officer and</p>	2	4	8	

						<p>n t at ng contractors w identify areas where ear protection s necessary.</p> <p>Sound system operators are to operate sound equ pment such that t m n m ses potent a for no se r sks off s te and to persons n the v c n ty of the equ pment.</p> <p>Hear ng protect on s to be cons dered as a ast resort and other means of reducing risk from no se are to be nvest gated including staff rotation rest areas and reduced no se eve s.</p> <p>A contractors are to be aware of the restr ct on on use of p ant and no sy work as set out n the s te ru esto m n m se the eve of no se r sks off s te.</p> <p>All contractors to seek appropriate ways of reducing noise propagation to a m n mum wh st on s te.</p> <p>S te Manager to prov de Loca Author ty w th s te contact No (24 hour) for no se comp a nts.</p>					
Multiple Contractor working environments	B-27	Hazards ar s ng from nterface between contractor working areas and from fa ures to commun cate	P S C	6	6	36	<p>Production Manager and Safety Off cerw undertake br ef ng of eads of Department/individual contractors to ensure acceptable levels of communication and co operat on.</p> <p>Regular on site meetings to take p ace w th a ma n and subcontractors to ensure that dangerous environments do not ar se and that a safety cr t ca procedures are adequate y dent f ed.</p> <p>Working areas to be secured as apprpr ate.</p>	6	2	12	
Safety Signs Emergency Plans	B-28	Signs relevant to exclusion areas use of PPE and the ke  Emergency route dent f cat on	S C	4	4	16	<p>Safety Off cer and product on manager to agree requirements for s te w de s gnage.</p> <p>Ind v dua contractors to prov de safety signage appropriate to their own act v t es as dent f ed by the r r sk</p>	4	2	8	

						<p>assessments.</p> <p>Emergency evacuation routes to be signed.</p> <p>Muster points to be identified.</p> <p>Staff to be advised of site rules, emergency procedures and muster points in site induction.</p> <p>Safety signs to be maintained in a suitable condition and removed when not appropriate.</p> <p>Safety signs to feature standard pictograms and text that is clear and unambiguous in the case of safety signs.</p>				
<b>Use of Mobile Elevated Work Platforms (MEWP)</b>	<b>B-29</b> Overturning of MEWP Falls of personnel from basket/cage Falls of materials Limbs caught in moving parts Crushing against overhead obstructions Electrical Shock from cables	C S	6	6	36	<p>Operator to ensure that MEWP is suitable for the desired purpose, operator is competent and that the MEWP is set up on firm level ground with outriggers extended where appropriate before use.</p> <p>MEWP to be operated by competent personnel only.</p> <p>Operator to use anyard attachments as recommended by MEWP provider.</p> <p>Work to be undertaken from the floor level of the cage without climbing on or over extending beyond the rails.</p> <p>MEWP not to be used to lift loads unless they can be carried within cage and are within the Safe Working Load of the MEWP.</p> <p>Non essential staff kept clear of operation use barriers/tape where appropriate.</p> <p>Operator to check for overhead obstructions and cables before raising MEWP.</p>	6	2	12	
<b>Access Towers</b>	<b>B-30</b> Overturning of MEWP Falls of personnel from	S C	6	6	36	Access towers to be erected by competent persons in accordance with	6	2	12	

	basket/cage Factors of materials				manufacturer/supplier recommendations  Outriggers to be used where applicable  Towers to be erected on firm even ground only  No movement of towers whilst personnel are on raised platform elevators.  Wheel locks to be engaged after all moves.  Deck to be provided with suitable access ladder midrails toe boards  Users to avoid overloading platforms.  Towers to be used by authorised persons only and secured against use at other times.				
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