

Risk Assessment and Method Statement

Major Version 2.0 – March 2015
Refer to Incident Identification and Rating v1.0

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Hazard	Risk	Eliminated Isolated Minimised	Severity Rating	Cause	Likelihood	Control Strategy
Ground obstacles (roots, branches), slipping on wet ground	Slip or stumbling	Minimised	2	Environmental	Medium	Walkways cleared or obstacles, clearly marked and maintained. Warning sign at entry of park.
Unaware of safety techniques, unauthorised entry into towers	Fall	Minimised	5	People	Low	Compulsory safety briefing for every participant, competence assessment by demonstration on practice course.
Stress, Peer Pressure, Forced Participation	Fall	Minimised	2	People	Low	Staff to reassure, help and assist. 2 people on platform, 1 person on an activity Rescue available when needed.
Fatigue	Fall	Minimised	1	People	Low	Participants encourage to rest between activities or courses. Staff to advise of course levels and difficulties. Provide additional information for shortcuts / cheats if required. Supplementary information for special needs participants.
Participant doesn't fully comprehend activities	Fall	Minimised	5	People	Low	Safety briefing, demonstration, practice before each session. Use of pictograms and hint cards on poles. Coloured marks on safety lines and zip wires, additional signage and/or staff, supervision for technical activities.

Incorrect use of Zip line Trolley	Fall	Minimised	3	People	Low	The Trolley is specifically designed for this activity. Safety briefing and practice before each session. Specific instruction on the use of the Trolley. Coloured markers on zip lines and karabiners clipped <i>over</i> the Trolley for additional safety.
Failure of belay line, belay line height unsuitable. Faulty fastening system.	Fall	Minimised	5	Equipment	Low	Independent audits. Technical expertise by qualified engineer. Daily routine inspections, regular maintenance. Annual inspection by internal and external auditing.
Belay on Guy Wires or Tail Ends	Fall	Eliminated	1	Equipment	Low	New Bornack system makes it impossible to fully connect to guy wires as participants cannot remove second karabiner from Belay Wire without a “key” on the “connecting to” wire.
Equipment falling onto participants	Falling Objects	Eliminated	4	Equipment People	Low	Lanyards, karabiners and trolleys cannot be detached from individuals.
Objects falling from overhead participants	Falling Objects	Minimised	4	Equipment People	Low	Cell phones and personal items are requested to be left with reception during the safety briefing.
Unsuitable PPE	Personal Protection Equipment Risks	Isolated	3	Equipment	Low	Participants are only allowed on the course with PPE provided by Rocket Ropes. Staff are allowed on the course with approved and equipment that is regularly inspected.
Damaged PPE	Personal Protection Equipment Risks	Isolated	5	Equipment	Low	Staff are trained and provided OEM instructions for inspecting equipment. A full inspection and maintenance record is kept of each individual piece of equipment.
Large person falling out of a black adult seat harness	Personal Protection Equipment Risks	Isolated	5	Equipment	Low	A compulsory full harness is provided for large participants. A full harness is also available for smaller participants.
Construction materials not suitable for the activity or environment. Product toxicity. Construction error	Equipment Failure	Eliminated	4	Equipment	Low	Structural design completed by qualified engineers using industry standard construction techniques and components. Safety audited by external assessor. - Outdoorsmark - Phase 1
Due to equipment, staff, visitors or participants	Fire Risk	Eliminated	5	Equipment People	N/A Low	There are no ignition sources on site. Rocket Ropes is a non-smoking facility. Warning signs are located at the entry. A fire extinguisher is available on site in the Rocket Ropes office.
Due to equipment	Electrical Risks	Isolated	5	Equipment	N/A	Electrical sources are hidden or unavailable to general public.

Equipment contamination	Biological Risk	Minimised	3	People	Low	Harnesses and helmets undergo regular washings and if soiled are set aside to be washed and disinfected, then air dried.
Septic waste and discharge	Biological Risk	Minimised	3	People	Low	Toilet facilities are provided next door at Butterfly Creek. In the event of equipment soiling, equipment is quarantined until they can be washed and disinfected.
Insect bites and stings	Biological Risk	Minimised	1	Environmental	Low	First aid kit is on site. Daily check of facility and knock down of new nests if visible.
Lack of training	Risk from staff	Isolated	4	People	Low	Staff training including: <ul style="list-style-type: none"> - Induction training - Rescue training - Briefing training - PPE checking - Written instruction
New Staff	Risk from staff	Isolated	4	People	Low	Specific training for new staff <ul style="list-style-type: none"> - Staff to be supervised - Within sight of experienced staff able to assist during probation period.
Fall from slippery platform	Injury such as cuts or bruising	Minimised	2	Equipment	Low	Use of non-slip decking. Routine cleaning and maintenance of all platforms. Daily inspections before opening.
Collision between two participants	Scrapes, bruises, impact or fall from platform	Minimised	3	People Equipment	Low	Clear instruction provided during induction and followed up on course by instructors. Instruction put into practice on the practice courses before entering full course. One participant (max) per activity. <i>Exception:</i> A special needs participant who required <i>close</i> adult supervision, then two people on an activity. Two participants (max) on a platform. <i>Exception:</i> A special needs participant who requires <i>close</i> adult supervision, then three on a platform. Circuit or a level can be temporarily closed if a participant is severely struggling.
Collision between participant and spectator or observer	Scrapes, bruises, impact	Minimised	3	People	Medium	Signposts on pathways designated for visitors. Low course boundaries marked and sign posted. Fencing around dangerous areas such as Zip Line and Long Drop landing zones.
Collision between obstacles	Structural damage	Isolated	3	Structures	Low	Trees around structures are pruned. Guy wires have flags on them to make them visible, protection pads where applicable.

Users not belayed	Fall	Eliminated	8	People Equipment	Low	<p>Clear instruction, demonstration and practice is provided to each participant before entering the course.</p> <p>Kids under 16 (minimum 6) to be supervised by an adult on the courses.</p> <p>The new Bornack SSB system prevents participants from entering the course without being attached to a belay cable or safety loop.</p>
Hair jammed in Trolley or Pulley	Lacerations to scalp	Minimised	6	People	Medium	<p>Clear instruction provided for tying up hair.</p> <p>Helmet to be worn at all times.</p>
Finger jammed in Trolley or Pulley	Broken or squashed fingers	Minimised	5	People	Medium	<p>Clear instruction provided on use and management of the trolley system.</p> <p>Precise instruction on placement of hands on trolley lanyard or Bornack SSB shields.</p>
Zip line used while inverted, participant shaking the rigging, intoxicated participants	Wilful misconduct	Minimised	5	People	Medium	<p>Safety briefing and practice course trial compulsory for each participant before entering the course.</p> <p>Behaviour assessed by staff during practice course trials.</p> <p>Access denied for intoxicated persons or in case of inappropriate behaviour.</p>
Destruction of safety equipment	Vandalism	Isolated	5	People	Low	<p>Equipment and courses are checked daily before opening.</p> <p>Access to platforms is restricted by locked doors when courses are closed.</p>
Inappropriate footwear	Unsuitable clothing	Minimised	4	People	Low	<p>Advised verbally and in writing during time of booking and on Risk Acknowledgement form.</p> <p>Checked by staff.</p> <p>Spare shoes available for rent</p>
Persons using course without PPE	Trespass	Isolated	4	People	Low	<p>Warning signs are located at entrance of park.</p> <p>Access to course platforms are restricted by locked doors.</p>
Pond and puddle formation	Stagnant water	Isolated	2	Environmental	Low	<p>Weather conditions advised during the Safety Briefing and during signing of Risk Acknowledgement form.</p>
Panic	Risk of mass evacuation	Minimised	5	People	Low	<p>In the event of a lightning storm or sudden weather event, and emergency procedure plan is in place to usher participants off the course as quickly as possible and if required, perform multiple rescues to lower participants to the ground.</p>