

# Rocket Ropes Risk Assessment

Major Version 3 – October 2020

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Version no.	Date	Notes
1	Jan 2015	Document made
1.2	July 2015	Minor changes
2	9 March 2017	Changes to HSAW2015
3	October 2020	Major Revision

<b>Harm</b> What could go wrong?	<b>Hazard</b> Why would this happen?	<b>Risk Rating</b> How serious?	<b>Control Strategy</b> How can it be prevented? Who is responsible for implementing the control?	<b>Residual Risk Rating</b>
Loss of life. Serious Injury (fracture, spinal, concussion) or other injury (sprain, strain, bruise).	Falling from height and hitting ground caused by:  Structural Failure  Loss of Control <ul style="list-style-type: none"> <li>o Losing balance</li> <li>o Slipping</li> <li>o Inattention</li> <li>o Lunging for end / rope</li> <li>o Awkward landing</li> <li>o Lost footing</li> <li>o Fooling around</li> <li>o Pulled off</li> </ul>	<b>Extreme</b>	<p><b>Rocket Ropes:</b>            Structural design completed by qualified engineers using industry standard construction techniques and components.</p> <p>Daily routine inspections, regular maintenance.</p> <p>Annual inspection by internal and external auditing.</p> <p>The Bornack SSB system prevents participants from entering the course without being attached to a belay cable or safety loop. Participants cannot remove second karabiner from Belay Wire without a “key” on the “connecting to” wire.</p> <p>Clear instruction, demonstration and practice is provided to each participant before entering the course.</p> <p>Course patrolled and supervised by Staff at high access points.</p> <p><b>Participants:</b>            Follow instructions, participate fully, and remain attentive.            Wear appropriate footwear and clothing (as instructed).            Disclose relevant medical information.</p>	<b>High</b>

	<p>Entanglement / strangulation. Due to:</p> <ul style="list-style-type: none"> <li>o Activity design or build</li> <li>o As above</li> </ul>	High	<p><b>Rocket Ropes:</b> Design and build activity so that cannot trap people or body parts e.g. in tunnels, nets, or crawling features.</p> <p>Check for risk of entrapment/entanglement and manage/monitor closely. Ensure participants clothing not likely to become entangled.</p>	Medium
	<p>Collision with structure or person. Due to:</p> <ul style="list-style-type: none"> <li>o Inattention</li> <li>o Uncontrolled landing</li> <li>o Poor boundaries</li> </ul>	High	<p><b>Rocket Ropes:</b> Clear instruction provided during induction and followed up on course by instructors. Instruction put into practice on the practice courses before entering full course.</p> <p>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.</p> <p>Signage and boundaries around possible ground collision areas. Padding at end of ziplines monitored by staff to make sure they stay in place.</p> <p><b>Participant:</b> Making sure path is clear of other participants before starting activities.</p>	Medium

Lesser Injury – cuts, grazes, burns, bruises etc	Abrasion due to friction, caused by: <ul style="list-style-type: none"> <li>o Rope burn</li> <li>o Sliding too fast</li> <li>o Protrusions</li> </ul>	Medium	<p><b>Rocket Ropes:</b> Design and build activity to minimise potential for burns, and likelihood of splinters, loose nails, screws or other protrusions. Daily Inspections of activities.</p> <p><b>Participants:</b> Use of appropriate clothing/footwear.</p>	Low
General Difficulties – may result in either serious or lesser injury	Unsafe / reckless behaviour	Medium	<p><b>Rocket Ropes:</b> Ensure behavioural expectations are clear to participants and supervising helpers. Provide appropriate supervision and reinforce behavioural expectations.</p>	Low
	Weather (e.g. heavy rain, wind, lightning) or geological (e.g. earthquake) events.	Low	<p><b>Rocket Ropes:</b> Check weather forecast. Formal evacuation procedures known by all staff. Brief participants what to do if need to evacuate.</p>	Low

Medical Incident	Pre-existing Medical Condition	High	<p><b>Rocket Ropes:</b></p> <p>Collect accurate medical information, discuss and ensure information is tagged to the right participant.</p> <p>Ensure participant has appropriate medication on site and that others know how to administer it.</p> <p>Ensure appropriately competent staff - First Aid minimum.</p> <p><b>Participant:</b></p> <p>Honest disclosure of medical information.</p>	Low
Hypothermia (too cold)	Cold and/or windy weather, inadequate clothing &/or shelter	Medium	<p><b>Rocket Ropes:</b></p> <p>Be aware of weather conditions and plan accordingly – have contingency plan and consider cancel or alternate activity in poor weather.</p> <p><b>Participant:</b></p> <p>Dress appropriately for the weather</p>	Low
Hyperthermia (overheating)	Hot weather (strong sun, no breeze) and/or overexertion	Medium	<p><b>Rocket Ropes:</b></p> <p>Ensure participants have plenty to drink and have sunscreen available in the office.</p> <p>Provide shaded areas.</p> <p>Participants encourage to rest and drink water between activities or courses.</p>	Low
Emotional distress	Unfamiliar environment, stressed, anxious	Medium	<p><b>Rocket Ropes:</b></p> <p>Staff to motivate and support participants.</p> <p>Have methods of evacuating distressed participants form the course.</p>	Low

