

High Adventure Zip Wire Risk Assessment

**Last Review of this risk assessment: 17/07/2018**

Minimum Leader qualification:		In house training and assessment or an appropriate level of competence.			
Max group size with Leader:		12			
<b>All Instructors should be making dynamic risk assessments on the day taking into account the weather conditions, the group's ability &amp; any other factors that may change.</b>					
<b>Essential equipment</b>					
<b>Personal:</b> Helmet, full body harness, appropriate well fastened footwear, appropriate clothing for the weather conditions.					
<b>Group:</b> Gloves, zip trolley sets					
<b>Instructor:</b> Phone, first aid kit, rescue bag.					
Activity/ Process/ Operation	What are the Hazards to Health and Safety	What Risks do they pose and to whom?	Risk Level	What precautions have been taken to reduce the risk?	Risk Level Achieved
			H/M/L		H/M/L
Setting up	Instructors falling when setting up.	HA Staff	H	All rigging to be done by appropriately trained staff.	M
	Injury due to equipment failure	All staff and participants.	M	All equipment and structure regularly inspected according to policies.	L
				Participant weight limit of 120kg.	
				Staff trained in inspections and procedures.	
	Weather related injuries.	All staff and participants	M	Check weather forecast	L
				Groups clothing to be checked prior to session, warm clothing, waterproofs, sun protection, etc	
				All participants to be monitored for signs of hypothermia, hyperthermia or heat stroke.	
	Wind effecting zip wire speed.	All participants	H	Check weather forecast and discuss tail winds with senior staff at morning meeting.	M
				Carry out daily inspection and brake test before session.	

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During the activity				Monitor clients speed throughout session & consult senior staff if tail wind picks up.	
	Participants falling to the ground.	All participants	M	Rigging, tying in and belaying to be directly supervised by instructor at all times.	M
	Instructor falling to the ground when ascending the structure.	HA Staff	M	All rigging/accessing the structure to be undertaken by approved staff	L
				PPE to be worn and techniques identified during training to be undertaken	
	Items falling from above.	All staff and participants	M	Staff training and group briefing	L
				Helmets to be worn in HRC area.	
				Pockets to be empty.	
	Falling while climbing up to the Zip Wire.	All participants	M	Staff training and group briefing	L
Clear instructions, all clients told not to climb until instructed to do so by leader.					
Rope being dropped whilst going down the zip wire.	All participants	M	Staff training and group briefing	L	
			Clear instructions and coil of rope put over shoulder and client told to hold on with both hands.		
Not arriving at or unable to get off at the landing platform.	All participants	M	Staff training and group briefing	L	
			Lanyard length to be set by instructor on take-off platform. Group/teacher/assistant briefed on moving participant to platform if needed. Crate available to stand on at landing platform.		
Hand/finger injury from wire	All participants	H	Staff training and group briefing	M	
			Each participant wears gloves provided, briefed on take-off platform and told to hold coiled dead rope.		

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Injury from impacting end of zip wire/ fence on platform.	All participants	M	Staff training & make sure crash pad is in place.	L
			Function test of brake system by HA staff before session.	
			Do not set client off until brake system has reset.	
Falling from or while descending landing ramp.	All participants	H	Staff training and group briefing	M
			Safety lanyards on landing platform to be used by assistant and person leaving the wire.	
			Clear instructions and briefing for group, brief assistant/group to monitor landing ramp	
Colliding with another person on the landing ramp.	All staff and participants	M	Staff training and group briefing	L
			Clear instructions and briefing for group, brief assistant/group to monitor landing ramp. Check ramp is clear before sending client down	
Zip stop brake or reduction line frozen.	All participants	M	Check weather forecast and monitor wet weather followed by freezing weather.	L
			Carry out all daily inspections and report issues to senior staff	
			If brake system does not reset correctly, STOP session and investigate cause.	
			If line is frozen it must be taken out of service until dried or replaced	