

RISK ASSESMENTS

(Hazard Identification)

In conjunction with the control strategies, is the Maintenance Manual, which details all maintenance procedures and work that has been carried out.

KEY

Risk / Hazard identifies the problems that could go wrong.

Ma is the magnitude or the seriousness of the problem should it occur.

- H** - High
- M** - Medium
- L** - Low

Pr is the probability or likelihood of the problem actually happening.

- H** - High
- M** - Medium
- L** - Low

Ca is the category in which the problem is placed.

- P** - People / O.H.S
- E** - Environment
- Eq.** - Equipment

Control Strategies are the procedures put in place to minimise or eliminate any foreseeable dangers.

The following hazards are generic to most or all activities.

E = Environment P = People / O.H.S. Eq. = Equipment

General

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
G01	Rope failure	H	L	Eq.	Correct Use and Storage Use of rope log Visual inspection during setup
G02	Cable failure	H	L	Eq.	Backup cables in place. Six Monthly visual checks.
G03	Carabiner failure	L	L	Eq.	Double carabineers, opposing gates. Checked as per use and 3 monthly Correct storage
G04	Harness Failure	M-H	L	Eq.	Checked as per use and 3 monthly Correct storage.
G05	Cable damage round trees	L	L	E	Protection blocks evenly spaced around each tree. Six Monthly checks are logged and recorded
G06	G-force or stress on the human body.	L	L	P	Medical and Consent forms clearly outline associated risks with activities
G07	Hard ground in landing area.	L	L	E	Bases around areas are tan barked
G08	Abrasions, grazes, scratches.	L	M	P	Sticks, rocks, sharp objects are removed and checked regularly.
G09	Anchor failure	H	L	Eq.	Secondary backup anchors backup pole/cable/person is in place and or bolted
G10	Staff Belayer fails	H	L	P	All Staff have sufficient training and experience prior to facilitating an activity Staff are required to be in good health (physical and mental)
G10 A	Participant belay system fails	L	L	P	3 participants are required to operate the belay device. Are given clear instructions. Belay system is designed to dramatically reduce fall impact if participants fail
G11	Foot traffic damage to surrounding bushland and park areas.	L	M	E	All participants are instructed to keep to pre-existing well defined and marked out tracks and pathways. All surrounding bushland is cared for by maintenance staff.
G12	Any blindfolded person may trip or crash.	L/M	M/H	P	Correct guidance and instruction is given by other group members.
G13	Sunburn	L/M	M/H	P	Groups are provided with check lists encouraging them to bring hats and sunscreen
G14	Exposure to the natural elements	L	L/M	P	Groups are provided with check lists encouraging them to bring all necessary items
G15	Failure of activity/structure	H	L	Eq.	All equipment is check and status recorded at regular intervals
G16	Snake Bite	H	L	E	Participants are warned about snakes. Staff are aware of what to do if a snake bite occurs and have relevant first aid training.

Abseiling

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
AB01	Falling from top of tower	H	L	P	Safety lines for each participant including the instructor at the top of the tower.
AB02	Insufficient skill from participant.	L/M	L	P	Safety rope used by the facilitator, to control participant if necessary.
AB03	Friction burn from the rope.	M	M	P	Gloves are to be worn by every participant
AB04	Clothing, hair or some other foreign object caught in the descending device.	M	L	P	Long hair is to be tied back, clothing is to be tucked in and correct instruction is to be given to the participant. The facilitator is to be adequately trained in rescue procedures. Clear signage in place

Balance Log

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
L01	Participants slipping and twisting ankles and falling over.	L	L	P	Support is offered from the facilitator if needed. Spotting is also used if needed

Cave

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
CV01	Falling down cave entry	M	L	P	Participant briefed on climbing down the ladder safely and correctly
CV02	Bump head	L	M	P	Participant warned to keep their head down low and kept to the ground
CV03	Person Claustrophobic	L	L	P	Lights installed and in case person freaks out. Facilitator in cave to help out if the situation arises
CV04	Cave collapses	H	L	E	Cave is checked as per use

Giant Swing/Rockets Nest

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
RP01	Participant could hit obstacles during the swing.	H	L	P	Facilitator is to ensure that the swing area is clear of any obstacles for each participant. Including the ladder.
RP02	Team mates could fall over when tension is released.	L	L	P	Facilitator is to give correct instruction on keeping feet apart, in order to brace themselves. An ascender is used to take off the tension.
RP03	Participants release themselves from the cable instead of the hauling rope.	H	L	P	Clear, correct instruction is given to each participant, and a second separate backup line is attached to the participant.
RP04	Participant catches body part/clothing in pulleys	M	L	P	Participants are clearly instructed not to touch certain devices. Pulleys are out of reach or covered
RP06	Carabineers not connected properly	H	L	P	Carabineer are always double checked/ or buddy system is used. Clear instruction posted at every activity. Participants are connected to two separate carabineers
RP05	Participants could fall from Rockets Perch approx 1.2m, causing severe bruising and possible lacerations.	M	M	P	Participants are given clear concise instructions on how to climb. There is a backup anchor point on the top of the swing.

High Wire

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
HW01	Ladder slipping from tree	M	L	P	Ladder is always tied at top of the tree.
HW02	Participant slipping from tree hold	L	M	P	Participant will simply swing out from tree. Anchor point half way along cable prevent participant hitting the other climber
HW03	Participant Belay system fails				3 participants are required to operate the device. Are given clear instructions. Belay system is designed to dramatically reduce fall impact if participants fail
HW04	Participant slipping off wire	L	M	P	Correct foot ware and appropriate clothing give protection against grazing

Laser Skirmish

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
LS01	Drowning in water	H	L	P	Supervision of participant by staff members. Participants warned of the dangers of water around course
LS02	Muscle Strain/Exhaustion	M	M	P	Participants need to monitor their physical condition and stop if required
LS03	Snake Bite	H	L	E	Participants warned about snakes and what to do if they see one. Staff have first aid qualifications to deal with snake bites
LS04	Trip / Fall	M	M	E/P	All obstacles are removed where possible

Leap of Faith

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
LF01	Participants hits ground on decent	H	L	P	Facilitators are properly trained and Padded mat on ground
LF02	Facilitator or participant falling from platform	H	L	P	Facilitator stropped in. Adequate railing to prevent participant falling
LF03	Participant slipping off jump board	L	L	P	Facilitator is always given clear instruction before participant walk out onto jump board and is to jump on facilitators call.
LF04	Carabineers not connected properly	H	L	P	Carabineer are always double checked/ or buddy system is used
LF05	Participant could swing back into Platform	L/M	M	E	Platform retracts after jump is completed. Participant is lowered down straight away as soon as they start falling.

Monster Course

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
M01	Drowning in water	H	L	P	Supervision of participant by staff members
M02	Muscle Strain/Exhaustion	M	M	P	Participants need to monitor their physical condition and stop if required
M03	Trip / Fall	M	M	E/P	All obstacles are removed where possible

Nail Walk

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
NA01	Participant trips over.	M	L	P	Participants are to have no clothing in the immediate area of the nails.
NA02	Participant could lose balance and step on edge of nails	M	L	P	Participants can have some assistance with balancing if they feel they need it.
NA03	Participant's feet could be penetrated by the nails.	L	M	P	First aid kit near by.
NA04	Infection caused by penetration	L/M	L	Eq.	Feet are dipped in disinfectant prior to use.

Reptiles

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
RP01	Bite from animal	L	L	P	All reptiles are handled regularly and have a good temperament. First aid on hand if required. More dangerous animals are kept in enclosures
RP02	Spread of germs	L	M	P	Participants are encouraged to wash their hands after the activity

Rock Climbing Walls

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
RC01	Participant Belay system fails	M	L	P	3 participants are required to operate the device. Are given clear instructions. Belay system is designed to dramatically reduce fall impact if participants fail
RC02	Carabineers not connected properly	H	L	P	Carabineers are always double checked/ or buddy system is used. Clear signage in place
RC03	Collision with wall	L	L	P	Participants are lowered slowly in a controlled manner

Sky Bridge

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
SW01	Incorrect attaching to the cable	H	L	P	Correct and sufficient training and qualifications for the facilitator
SW02	Participants gets stuck and can't move	L/M	L/M	P	Facilitators are trained in rescue procedures.
SW03	Participants fall from entry and exit	L	L	P	Ladders are supported and rails give participant support. Participant are immediately asked to climb down
SW04	Facilitator fall off platform	L	L	E	Facilitator securely fastened to fixed point.
SW05	Slip or fall while climbing ladders	L/M	L/M	P	Ensure hand rails are always used

Snowy River Challenge

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
SC01	Slipping off the pole over the mud pit	L/M	L/M	P	Encouragement, affirmation and limited physical support from the group. Participant could crawl over if don't feel comfortable in walking across. Participants are briefed to step off safely if there is a risk of falling dangerously.
SC03	Falling from the challenge team wall	M	L	P	Team members must act as spotters and offer as much physical support as possible on both sides of the wall. Facilitator is constantly watching what is going on and will stop the activity if it is not being done safely.
SC04	Falling from Burmese bridge	L	L	P	Support from teammates and close monitoring by the facilitator.
SC05	Claustrophobia in the tunnel	L	L	P	Two removable viewing holes to let light in and large enough to get people out. People are to move through the tunnel in pairs
SC06	Slipping from the team swing.	L	L	P	Participants are encouraged to make sure they can hold their own weight before swinging. Sufficient tan bark on the ground to cushion the fall. Participants are spotting people who are on the swing.

Summit Window

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
GW01	Participant slipping from top of platform	M	M	P	Participant is always given clear instruction before climbing pole. Ensure participant is steady and focused before letting go. Facilitator always has participant locked off.
GW02	Carabineers not connected properly	H	L	P	Carabineer are always double checked/ or buddy system is used
GW03	Facilitator/participant falling from tower	H	L	P	Facilitator and participant are stropped in at all times
GW04	Participants could slip while climbing	L	L	P	Rope keep very tight to ensure minimal fall

Tank Rides

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
TR01	Fire in cabin	M	L	Eq.	Fire proof wall between engine and cabin. Fire extinguisher in cabin
TR02	Participant bumping head	M	M	P	Participant are instructed to hold on before ride begins
TR03	Hitting obstacles or rolling tank	L	M	P	Facilitator have appropriate training Tank is moving at low speeds, Extremely low centre of gravity

Tash's Ladder

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
WL01	Excessive movement in ladder	M	M	P	A second support pole prevents the ladder from moving excessively.
WL02	Carabineers not connected properly	H	L	P	Carabineer are always double checked/ or buddy system is used
WL03	Facilitator/participant falling from tower	H	L	P	Facilitator and participant are stropped in at all times
WL04	Participants could slip while climbing	L	L	P	Rope keep very tight to ensure minimal fall

Tatiana

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
T01	Participant falls before reaching the top of the wall.	M	L	P	Rest of the team acts as spotters around each participant. Sufficient tan bark at the base to soften the ground surface. Participants are briefed on their responsibility to climb the wall safely and to step off safely if they think an accident might occur.
T02	Muscle strain from incorrect lifting of teammates.	M	L	P	Correct instruction from facilitator on lifting techniques. Close monitoring by the facilitator throughout the activity.

Team Suzie

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
TS01	Participants drive into obstacle	M	L	P	All trees are padded with tyres and car in 4wdL to minimize speed. Only 1 st and 2 nd gears are used. Seatbelts used
TS02	Failure of brakes	M	L	Eq.	Tested before use
TS03	Participants drive into other participants	H	L	P	Participants instructed to stand behind the orange tap and off the course

Treasure Chest

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
TC01	Participant could get rope burn.	L	L	P	Clear instruction provided Group supports each other and can easily hold rope
TC02	Participant could fall from the rope.	L	L	P	Fall is from less than 1 metre. Tanbark on ground to reduce impact

Trust Fall

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
TF01	Catchers may not catch the participant.	L/M	L	P	Correct instruction is given to catchers and participants and a small foam mat is placed under the participant. Participants build up to final fall. Facilitator is constantly watching what is going on and will stop the activity if it is not being done safely.
TF02	Catchers may be hit by participant's arms.	L	H	P	Hands are tied together to prevent this.

Water Activities

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
W01	Participant could hit the bottom when diving off any of the water structures or activities.	M/H	M	P	Participants are not allowed to dive. Rules are specified at water front
W02	Participant could hit the bottom when jumping off any of the activities.	L	M	P	Staff monitor water levels and when water is low structures are closed.
W03	Participant could drown while swimming or using any of the watercraft.	H	L	P	All participants must wear a life jacket when using any of the watercraft. Groups leader are informed of their responsibilities with participants on the water. Swimming is only allowed in specific areas.
W04	Participants could lose their grip when swinging on Hamens plunge.	L	M	P	Correct instruction from facilitator and monitoring from qualified staff. Participant must use smaller swing first.
W05	Participant could land on a canoe when swinging on Hamens plunge.	M	L	P	Canoes are not to be paddled in the swinging area of Hamens plunge. Swing is to be monitored by staff.
W06	Participant could get hypothermia.	M	L	P	Conditions are monitored by staff, and dry clothes and hot showers are close by.

Zip Wire / Flying Foxes

Hazard	Risk / Hazard	Ma	Pr	Ca	Control Strategies
ZF01	Participants cutting fingers between pulley and cable	H	M	P	Pullies are out of reach of participant hands. Participants are informed not to touch the wire or pulleys.
ZF02	Failing to brake sufficiently.	M/L	L	P	Correct instruction from facilitator on braking procedure. Second support member to assist with braking. Radio contact before person leaves platform.
ZF03	Incorrect attaching to the cable	H	L	P	Correct and sufficient training and Qualifications for the facilitator. Connection double checked before participant leaves the platform.
ZF04	Equipment failure including cable, pulley, carabiner, strop	M	L	E	Regular safety checks. Visual on the spot checks. Dual pullies prevent failure. Dual strops.
ZF05	Participants failing to make the other end.	L/M	L	E	Facilitators are to be trained in rescue procedures for each flying fox.
ZF06	Facilitator slipping or falling from sending/catching platform	L	L	P	Facilitator securely fastened to fixed anchor
ZF07	Participants hitting high trees	L	L	E	Trees groomed regularly