

Risk Assessment – Aerial Runway

Baseline	X	Site Specific		Vulnerable Person		Temporary		Version	2020.1.0	Date of issue:	20/01/2020
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Operating notes:

- Aerial Runway should be understood to refer to an activity at Grosvenor. It consists of multiple zip wires from a platform which finish on the ground, there is no rescue requirement and therefore the Activity Leader will never be required to leave the security of the platform they are working from to perform an emergency procedure.
- This risk assessment does not cover Kingswood staff accessing the structure for routine inspection and maintenance. Please see the 'Work at Height inspections / maintenance' risk assessment.
- ☑ Structure and equipment must be managed as per the Kingswood Equipment Management Standards.
- Supervision Ratios: 1 Aerial Runway Leader plus 1 Aerial Runway Assistant with 1 additional accompanying adult supervising group per group (max 15)
 - Aerial Runway Leader (working on the launch platform) to active participant ratio = 1:3 (1 group) and 2:3 (2 groups)
- The maximum number of people allowed on the structure is to be written in the site specific risk assessment
- **Participants** - The Aerial Runway facility should not be accessed by anyone (including staff, participants and accompanying adults) that is/has:
 - Weight over 120kg (285lbs)
 - Pregnant (unless doctor's advice has been sought)
 - Any type of heart condition or heart-related issues (unless doctor's advice has been sought)
 - Any type of spinal injury or weak spine condition (unless doctor's advice has been sought)
 - Aerial Runway Assistants that remain on the ground are not required to meet these restrictions

Qualifications/ Competence:

- Aerial Runway Leader must be in-house assessed by an MIA or ERCA trainer; or have a relevant NGB qualification plus approval from the internal advisor; or be a Kingswood Ropes Trainer as approved by the internal technical advisor
- Aerial Runway Assistants must be in-house trained by a Kingswood Ropes Trainer
- The Nominated Chief Instructor must be onsite during all roped activity operations; they must hold a relevant NGB award.
- All Kingswood staff must have their first session observed and then frequently as per the Coaching Guidelines.
- All Kingswood staff are required to maintain their skill level and must attend refresher training after a maximum of 12 months of service and after lengthy periods of shut down.

Risk – Benefit Statement:

There is a low 'real' risk of injury during Aerial Runway but a high 'perceived' risk allowing a greater basis for learning.

Hazard Description and activities giving rise to risk	Who may be harmed	Control Measures	Risk Rating
Pressure on staff due to multiple groups leading to injury	All	<ul style="list-style-type: none"> • Groups must not be expected to share equipment; sufficient stock must be maintained. • When multiple groups are programmed each group should be operated independently of the others where possible and definitely during the setup / briefing stages. 	Low
Adverse weather – Lightning or High Winds	All	<ul style="list-style-type: none"> • All staff must follow the ROSPA 30/30 rule for lightning. • If lightning occurs suddenly then the group should vacate the area immediately. 	Low
Unauthorised access	All	<ul style="list-style-type: none"> • Access points to roped activity structures must be secured against casual or unauthorised access when the equipment is not in use. • All groups are briefed to stay off all activity equipment unless supervised by a Kingswood Activity Leader. 	Low`
Head Injuries	All	<ul style="list-style-type: none"> • Helmets are not required to be worn on this activity as there is a very low risk of head injuries occurring 	Very Low
Unsecure attachment to safety rope or Incorrectly fitted harness	All	<ul style="list-style-type: none"> • Sit harnesses are to be correctly fitted (waist loop tight above the hips and legs loops tight) • A chest harness must be worn when: <ul style="list-style-type: none"> ○ The participant does not have defined hips ○ The participant has a fairly prominent upper body/stomach and no hip definition (disability or over-weight) ○ When large clothing has been tucked into the harness preventing defined hips to be seen ○ There is a medical reason that suggests the participant may faint/collapse ○ Very top heavy, so inversion is likely • The use of a DMM Bridge is the only approved method of connecting a chest and sit harness. • When arriving at the top of the tower you must attach yourself to a safety lanyard and visually check and confirm safe attachment to the tower. • Check the active participant's PPE and roped attachment twice: <ul style="list-style-type: none"> ○ When attaching the safety rope - This check should be visual and verbal for all group members to observe. ○ Immediately prior to leaving the platform - The belaying Instructor must complete a final tactile inspection prior to any participant leaving the platform 	Low

Hazard Description and activities giving rise to risk	Who may be harmed	Control Measures	Risk Rating
Impact with ground or other obstacle	Participants	<ul style="list-style-type: none"> • The Aerial Runway Assistants on the ground must ensure the landing zone is free from any obstacles and other users. • Pea gravel must be in place to absorb impact during landing. • The landing zone must be well maintained and regularly raked. • Pea gravel will naturally migrate from the landing zone and therefore must be topped up / replaced when necessary. • Participants must be briefed on the appropriate landing technique. 	Low
Falls from height	All	<ul style="list-style-type: none"> • Anyone operating at height outside of guard rails must be suitably attached to a safety line. • Brief the participants on the correct way to access the platform 	Low
Entrapment	All	<ul style="list-style-type: none"> • Brief and check the participant has tucked away and secured any loose or baggy clothing. • Brief and check the participant has removed any large or dangly jewelry. • Brief and check the participant has tied back / secured long hair • The Activity Leader must check themselves for the above as well 	Low