

Risk Assessment – Aerial Runway

Baseline	<input checked="" type="checkbox"/>	Site Specific	<input type="checkbox"/>	Vulnerable Person	<input type="checkbox"/>	Temporary	<input type="checkbox"/>
Produced by:	Leigh Phillips		Date of issue:	05/01/2018	Review date:	01/01/2019	

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.
- 2 Activity Leaders to 15 participants with one additional supervising adult.
- Launch Activity Leader 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 activity should not be used by anyone 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)

Qualifications/ Competence:

- Activity Leaders 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
- The Nominated Chief Instructor must be onsite during all roped activity operations; they must hold a relevant NGB award.
- All Activity Leaders must have their first session observed and then every 6 weeks as per the observation standards.
- All Activity Leaders 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
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`
Incorrectly fitted helmet	All	<ul style="list-style-type: none"> Helmets must be worn correctly as per the manufacturers guidelines by all persons within the designated area Where an activity specifies that a helmet must be worn, every effort must be made to get participants to wear one. However, this may present difficulties for those who wear a turban or other similar head covering. Participants in this activity who are wearing a full 'pagri' turban are exempt from wearing a helmet, as the turban should control sufficiently the risks that the helmet would otherwise guard against. This exemption does not apply to participants who are wearing a 'patka' or lighter cloth head covering, with or without a top-knot. These individuals must wear a helmet, and provision should be made for a private area where these participants can remove or adjust their patka in order to fit the helmet. Where a turban is worn in place of a helmet, special care must be taken to ensure that there is no risk of any loose cloth getting entangled in equipment or apparatus. 	Low

Hazard Description and activities giving rise to risk	Who may be harmed	Control Measures	Risk Rating
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 and DMM Ultra O Lock karabiners 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 cow's tail and visually check and confirm safe attachment to the tower. • The launch platform Activity Leader must check the active participant's PPE and attachment points twice a) before attaching the safety rope / before passing through the barrier b) final check after attaching the safety rope to the zip wire (before the participant is allowed to approach the edge). This final check should be visual and verbal for all group members to observe. 	Low
Impact with ground or other obstacle	Participants	<ul style="list-style-type: none"> • The Ground Activity Leader 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 jewellery. • Brief and check the participant has tied back / secured long hair • The Activity Leader must check themselves for the above as well 	Low

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