

PNGC RISK ASSESSMENT FORM

Serial No: 0012

Date of Next Review: Jan 2015

Organisation		Activity		Hazard Identification	
PNGC	✓	Flying - Gliders		Flying Activities	✓ 1.1
Privately Owned Glider		Flying - Power		Mechanical	2.1, 2.4, 2.7
Privately Owned Power Aircraft		Ground Handling		Electrical	
Other Airfield User		Maintenance		Environment	
		Travel		Waste	4.6
		Visitors			
		Others (Winch Driving)	✓	Others (specify)	

SUMMARY OF ACTIVITIES	1. Winch driving
SUMMARY OF HAZARDS	<ol style="list-style-type: none"> 1. Injury caused by working on cable drum and high speed steel cables. 2. Lightning Strike 3. Cable damage to Runway Lights 4. Cable fouling the Active Runway. 5. Debris left on airfield.

POPULATION AT RISK (inc No.)	1 operator plus retrieve driver
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CURRENT SAFETY PRECAUTIONS & CONTROL MEASURES	<ol style="list-style-type: none"> 1. Only qualified and registered operators are allowed to use the winch. 2. Equipment is commercially produced, with a protected Cab and guards around the cable drum and cable in-feed. 3. Radio communication maintained between the Winch, Retrieve vehicle and Launchpoint control. 4. Cable has parachute attached to facilitate controlled recovery and conspicuity. 5. PPE (Personal Protective Equipment) Safety Gloves are provided for working on cables. 6. Emergency guillotines provided in event of cable release malfunction. 7. Cross-Wind direction taken into account when siting the Winch. 8. Minimum age qualification is 18years.
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CURRENT RISK ASSESSMENT	HIGH		MEDIUM	4C	LOW	
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RISK REDUCTION ACTIONS	<ol style="list-style-type: none"> 1. Only personnel involved with the operation allowed at the Winch. (i.e. no bystanders) 2. Warning Signs placed near the unit. 3. Engine switched off when working on cables. 4. No operation when Lightning likely to occur within 5 miles of the site. 5. Earth grounding cable in use. 6. Communication between winch and retrieve operator for midfield hook-ups. 7. Gliders to 'lay-off' to allow for crosswind launches and cable release.
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FINAL RISK ASSESSMENT	HIGH		MEDIUM	LOW	4D
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Assessed by Safety Officer
..... Date:.....

Reviewed by Winch Master
..... Date:.....

Authorised by CFI/Chairman
..... Date:.....

GUIDANCE NOTES

For further guidance on completing this form contact the PNGC Safety Officer

- Risk Assessment No.** Will be completed by the PNGC Safety Officer or Administrator.
- Organisation** Tick the appropriate box.
- Activity** Tick the appropriate box.
- Hazard Identification** From the Hazard Identification Check List select all hazard types applicable to the task/activity being assessed and enter the hazard identification code in the appropriate box.
- Summary of Activities and Hazards** Briefly describe the key aspects of the task/activity being assessed and how the hazard(s) may arise. Look only for the HAZARD(S) which you could reasonably expect to be present and which may result in significant harm under the conditions of your task / activity. In addition to hazards, which arise from “normal operations”, consider also likely abnormal and emergency situations
- Population at Risk** State the approximate number of people likely to be effected by the hazards of the task/activity. Don't forget it may not be just personnel carrying out the activity who may be effected. Consider also third parties.
- Current Safety Precautions and Control Measures** Describe the control measures or precautions already taken to reduce the risks from the hazards you have listed? e.g. Training, supervision , written procedures, fitting of guards and covers, provision of special tools or work areas, adequate information, instruction and safe systems etc
- Current Risk Assessment** Assess the level of risk taking into account the current control measures and precautions using the matrix below. Consider first the likely probability of the event arising and identify which row of the matrix is applicable. Then consider the most likely outcome of the hazard being realised in terms of personal injury or environmental impact and identify which column on the matrix applies. The box at which the two crosses will fall into either the low/medium/high risk sections of the matrix. i.e.C3
- Risk Reduction Actions** Have risks been reduced to a level that is as low is reasonably practicable? It may help to consider if the current measures have to meet standards set by regulations, Air Navigation Order, BGA Laws & Rules, HSE guidance and local Agreed Codes of Practice (ACOPS) . Where appropriate identify further risk reduction measures.
- Final Risk Assessment** Now re-assess the expected level of risk assuming the further risk reduction measures identified are in place.
- Date of Next Review** Assign a date for the next review based on an estimate of the likely hood of changes occurring that may effect the validity of the assessment.
- Acceptability of Risk**
LOW: No action is required if a hazard falls in this area, although some cost-effective improvements may be judged worthwhile.
MEDIUM: If a hazard falls in this area, a cost versus benefit analysis will help decide whether remedial action is taken or the risk accepted.
HIGH: If a hazard is judged to be in this area **the activity is not to be carried out until corrective action are implemented to reduce the risk to a lower level.**

		LOW RISK	MEDIUM RISK	HIGH RISK		
Possibility of repeated occurrence	A					
Possibility of isolated occurrence	B					
Possibility of occurring sometime	C					
Not likely to occur	D					
Probability near zero	E					
		1	2	3	4	5
		Negligible	Minor	Moderate	Major	Catastrophic

HAZARD IDENTIFICATION CHECKLIST

1	FLYING ACTIVITIES
1.1	OPERATIONS
1.2	FLYING TRAINING
1.3	RISK OF COLLISION
1.4	AIRMANSHIP
1.5	VISITOR MANAGEMENT
1.6	OTHER
2	MECHANICAL HAZARDS
2.1	DRAWING-IN / TRAPPING
2.2	IMPACT
2.3	STABBING / PUNCTURE
2.4	FRICTION / ABRASION
2.5	HIGH PRESSURE FLUID INJECTION
2.6	SLIPS / TRIPS / FALLS
2.7	FALLING / MOVING OBJECT
2.8	OTHER MECHANICAL HAZARDS
3	ELECTRICAL HAZARDS
3.1	DIRECT CONTACT
3.2	INDIRECT CONTACT
3.3	ELECTROSTATIC PHENOMENA
3.4	SHORT CIRCUIT / OVERLOAD
3.5	SOURCE OF IGNITION
3.6	OTHER ELECTRICAL HAZARDS
4	ENVIRONMENT
4.1	NOISE
4.2	VISUAL IMPACT
4.3	EMISSIONS
4.4	USE OF RESOURCES
4.5	FLORA & FAUNA
4.6	CONTAMINATION (DEBRIS)
5	WASTE
5.1	TOXIC
5.2	HAZARDOUS
5.3	DOMESTIC
5.4	SPECIAL
5.5	FUEL
6	OTHER
6.1	Winch Driving
6.2	Airfield Driving
6.3	Launchpoint Control
6.4	Work Environment
6.5	Stressful Posture
6.6	Poor Workplace design

Severity Category	Safety and Environmental Consequences		
	Personnel	Material Safety	Environmental (Including General Public) Safety
Catastrophic	Multiple deaths or multiple serious injuries	Total loss or extreme damage of property	Severe long term environmental damage which affects people, animals and marine and bird life for more than 100 years
Major	Severe Injury/ illness or single fatality	Major damage of property. (10 - 95% of unit cost)	Major event resulting in severe environmental damage to animals, marine and bird life taking between 10 to 100 years for recovery
Moderate	Injury or occupational illnesses	Severe damage of a property (1 -10 % of unit cost),	Environmental impact which causes a single death and multiple animal, marine and bird deaths. Recovery 1 to 10 years.
Minor	A single injury or occupational illness and/or multiple minor injuries or occupational illnesses	Small damage to property (0.01 - 1% of unit cost)	Impact levels above legal limit which temporarily affects animal and marine life. Recovery 1 week and minor public interest
Negligible	At most a single minor injury or minor occupational illness	Negligible damage to property. (< 0.01% of unit cost),	Negligible impact at or below legal limit. Nuisance extending for 1 week. No public interest

Table of Safety & Environmental Severity Categories