Chair O Plane Ride Risk Assessment

GENERAL INFORMATION:

Company / organisation:	(Insert company name).	ABN:	(Insert)								
Address:	(Insert)	State:	(Insert)								
Activity:	Chair O Plane ride / amusement device installation and operation	Chair O Plane ride / amusement device installation and operation.									
Date developed:	(Insert)	Developed by:	(Insert)								
RA approved by:	(Insert)	Date of next review:	(Insert)								

REQUIREMENTS:

Person(s) responsible for implementing and monitoring the risk assessment:	(Insert)
Applicable legislation and compliance references:	Work Health and Safety Act 2011 (ACT_NSW_OLD) 2012 (SA_TAS)_2020 (WA) Occupational Health and Safety Act 2004 (VIC) Work Health and Safety (National Uniform Legislation) Act 2011 (NT) Work Health and Safety Regulations 2011 (ACT, QLD), 2012 (SA, TAS), 2017 (NSW), 2022 (WA) Occupational Health and Safety Regulations 2017 (VIC) Work Health and Safety (National Uniform Legislation) Regulations 2011 (NT) Code of Practice – How to manage work health and safety risks Code of Practice – How to manage work health and safety risks Code of Practice – Work health and safety consultation, cooperation and coordination Code of Practice – Managing the risks of plant in the workplace Code of Practice – Amusement devices (QLD) Australian Standard 3533 (series) – Amusement rides and devices SAMPLE - INTENTIONALLY FADED
Training and induction requirements:	
Plant and equipment requirements:	Plant and equipment fit for purpose, compliant with Australian Standards and compliance certified by an engin er. Transport vehicle, electrical leads and trailers maintained and fit for purpose.
Personal protective equipment requirements:	
Inspection requirements:	Staff or nominated personnel to inspect general areas and devices to address safety hazards and maintain hou sekeeping.
Chemicals and safety data sheets:	Oils and lubricants / maintenance consumables.

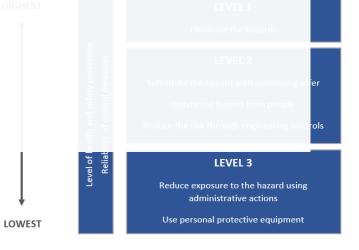
RISK ASSESSMENT MATRIX:

The risk assessment matrix is used to assess the inherent and residual risk score using the likelihood and consequence risk criteria.

				Consequence		
		1	2	3	4	5
Likelil	lood	Insignificant No injuries, no environment impact, no reputational impact, negligible financial	Minor First aid treatment, short-term environment impact, minimal reputational impact, minor financial loss	Moderate Medical treatment or hospitalisation, medium-term environment impact, localised reputational impact, moderate financial loss.	Major Permanent injury, long-term environment impact, loss of operational capability, advorse reputational impact, major instancial loss.	Catastrophic Death or irreversible environment effect, national reputation damage, catastrophic financial impact
5	Almost certain The event is expected to occur in most circums ances					Extreme
4	Likely The event will probably occur in most circumst					Extreme
3	Possible The event should occur at some time					Extreme
2	Unlikely The event could occur sometime					High
1	Rare The event may occur only in exceptional circun stances		SAMPLE - IN	TENTIONALLY FADED		Moderate

Risk actions including escalation, management and monitoring will be determined by the risk assessment.

Risk Actions	
Risk	Actions
Extreme risk	
High risk	Management attention, rigorous controls and close monitoring required.
Moderate risk	Management monitoring and controls required.
Low risk	Acceptable with routine procedures and periodic review.



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RISK ASSESSMENT:

Assess the likelihood (L) and consequence (C) of the inherent risk score (before treatment) and residual risk score (after treatments) using the risk assessment matrix.

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	(wha	e rent F at is th trols)	Risk: e risk before	Risk Treatments and Controls: (how are the risks managed)Residual Risk: (what is the risk after controls)Responsibility: (who is responsible))
		L	С	Risk	L C Risk	
Insurances	Insurances not in place exposing the company to potential or actual direct financial and legal liability for harm or property damage.	L3	C4	High	 Public liability insurance placed. Workers' compensation insurance placed. Asset / property insurance placed. Other insurances placed as required. 	
Indemnity					 Terms and conditions established and communicated with customers / patrons. Information and safety signage installed Supervision and management of amusement operational areas and activities. 	
Working with children					 All staff required to hold a current working with children check / blue card. Renewal of blue cards when they are approaching expiry date. Staff trained on child safe behaviours, conduct and incident reporting procedures. 	
Staff / operator training and competency	S Staff not trained on company policies, customer service, safe amusement device operation, compliance and emergency procedures resulting in an incident, injury and or property damage.		C4	INTENTIO High	 NALLY FADED ators are inducted / trained on policies and procedures including safety, compliance, emergency and customers / patron safety. All staff / operators trained on correct / safe operation of amusement devices and emergency procedures. Annual refresher training is conducted. 	
First aid and emergency management	Emergency management plan and provisions not established or maintained inhibiting / delaying a response to an emergency situation.	L3	C5	Extreme	 Amusement device operators trained in first aid (at least one person onsite). First aid kit and injury register available / in close proximity to amusement device. Fire extinguisher with current maintenance tag in close proximity to amusement device. Emergency management and evacuation procedures in place for amusement devices. Etaif trained on enacting / implementing emergency and evacuation procedures. Emergency procedures communicated with customers / pations prior to use of amusement device. Staff regularly tested on enacting emergency drills / procedures. 	

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	(wha	erent F at is the trols)	Risk: e risk before	Risk Treatments and Controls: (how are the risks managed)		idual R at is the trols)	i sk: e risk after	Responsibility: (who is responsible)
		L	С	Risk		L	С	Risk	
Contractors and third parties	Contractor and third-party compliance requirements not established or effectively implemented resulting in contractors operating without the required safe systems or works, qualifications or insurance coverage.	13	03	Moderate	Engagement or reputable providers Certificates of insurance are collected. Disk accomments (documentation are collected and reviewed (for high-risk activities)	11	03	Low	Management
Aggressive behaviour or violence									Management Operators Authorities / pc ice
Manual handling	Poor manual handling practices when loading, unloading, setting up and packing up amusement devices resulting in musculoskeletal injury / soft issue injury.			Moderate	 Correct training in manual handling Delivery of equipment as close as possible to set up areas (if safe and approved) Operators understand and follow manual handling guidelines. Warm/up stretches and rotation of manual tasks between operators Using mechanical aids when available. Rotating between staff to reduce repetitive manual tasks between betwee				Management Operators
	8	AMP	'LE -	INTENTIO	NALLY FADED				
Cleaning and Hygiene									Management Staff
Personal protective equipment	Staff / operators not wearing correct PPE during set up / dismantle or operation of ride resulting in injury. Staff / operators exposed to sun / heat and not wearing sun smart PPE resulting in sunburn and or dehydration.	L3	C3	Moderate	 Management to advice staff / operators of correct / mandatory PPE when inducted. Staff / Operators to wear appropriate PPE at all times including set up / dismantle and operating ride. Sun smart PPE implemented by management including sunscreen, nats and regular hydration. 	L2	C3	Moderate	Management Operators

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	(wha	e rent R at is the trols)	l isk: e risk before	Risk Treatments and Controls: (how are the risks managed)	(wha	idual R i at is the trols)	isk: risk after	Responsibility: (who is responsible)
		L	С	Risk		L	С	Risk	
Amusement device compliance	Mechanical amusement device non-compliance with Australian Standards resulting in asset defect or failure, customer / patron injury / death and or voidance of insurance.	L3	C4	High	 Manufacturing and testing in accordance with Australian Standard 2503 (series) – Amusement rides and devices. Certificates of conformity obtained from manufacturer. Annual registration with Regulator and engineering inspection / conformance verification certificate. 	L1	C4	Moderate	Management
	SA	AMPL	_E - II	NTENTION	 Daily inspections completed by staff / operators prior to customer / patron use. Post-setup inspection and safety checks prior to allowing use (following the device inspection checklist / MFG instructions). Regular inspection, lubrication and maintenance of main bearings and components. NALLY FADED tenance inspection by a competent engineer. 				
Maintenance	Mechanical amusement device not adequately inspected or maintained resulting in critical failure and serious injury / death to a customer / patron and or property damage.	L3	C4	High	 Major inspections and NDT completed in accordance with manufacturer and Australian Standards requirements. Routine maintenance in accordance with manufacturers manual and maintenance schedule. Routine and corrective maintenance where issues, damage and defects are identified. Prevention of any unsafe or damaged amusement device from being used. Regular completion of logbook and maintenance schedule / MEG manual. Electrical inspection / test and tag of portable electrical equipment and RCD for mains. Hydraulics set up as per manufactures manual are inspected daily / maintenined as per manufactures manual. 	L1	C4	Moderate	Management

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)		Inherent Risk: (what is the risk before controls)			Risk Treatments and Controls: (how are the risks managed)		idual R at is the trols)	isk: e risk after	Responsibility: (who is responsible)
		L	С	Ris	k		L	С	Risk	
Transporting amusement device	Motor vehicle accident, amusement device not secured correctly or signed if parts hanging off trailer resulting in serious road incident, property damage and or fines.		C4	Hig		 Operator has a current and appropriate drivers licence and is confident travelling with a trailer / towing device. Transport vehicle and trailer is registered and regularly maintained / road worthy. All amusement equipment is securely fixed to the vehicle and or trailer. Appropriate signage is on the vehicle or trailer (if oversize / overhang). Inspect location conditions prior to driving to the set up areas to avoid incorrect setup of vehicle / trailer becoming bogged or contacting structures and fixed assets. Driver completed operational / visual checks on car / trailer prior to travelling. Long distance procedures in place to ensure IALLLY FADED 	L1	C4	Moderate	Manageme nt Operator
Site arrival / depar ure	Vehicles / trucks / trailers operating at site when pedestrian traffic is high resulting in collision with operators and or public. Vehicles / trucks / trailers entering site at high speed, no hazard lights on or unsure where to drive / park resulting in pedestrian injury and or property damage.	L3	C4	Hig	h	 Installation location confirmed with client and inspected for safety hazards. Set ride delivery and departure times are arranged by client to ensure pedestrian activity is minimal. Site roads inspected to ensure no hazards / obstacles on road / site location. Staff to monitor pedestrian movement while trucks are moving and guide pedestrians away from trucks path. Driver to maintain a very low speed. Hazard lights / safety lights and or reversing beepers operating when vehicle in site area. Spotters used when reversing or when line of sight is compromised. 	L1	04	Moderate	Management Operator

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	Inherent Risk: (what is the risk before controls)			Risk Treatments and Controls: (how are the risks managed)		idual R at is the trols)	i sk: e risk after	Responsibility: (who is responsible)
Access and rest acted use	Access control provisions not installed resulting in unauthorised access to the mechanical amusement device or back of house areas such as controls and electrical equipment resulting in injury. Customer / patron restrictions including age, height, weight and medical not established or communicated resulting injury / death or medical event. Customers / patrons crushed on entry / exit points or slip when walking on pathways	L	С	Risk High	 Installation of perimeter fencing / containment and one way access and egress points. Installation and communication of terms, conditions, customer / patron restrictions and safety rules / signage including height, weight, age and medical restrictions. Installation and communication or warnings and information on the possible effects the use of the amusement device may have on customers / patrons. Entrance / exit gate are visible and pathways routinely inspected and kept clear. 	L		Risk	Manageme nt Operator
Pre-use / post setup inspection	SA Mechanical amusement device not secured correctly, or safe installation / setup confirmed resulting in a serious injury / death to a customer / patron and or property damage. Setup / installation untidy exposing staff and customers / patrons to trip hazards and resulting in injury.			ITENTION High	 Post setup inspection checklist completed by competent staff / operator. Inspection of stabiliser points / sweeps / jacks, / pins / shackles / seat hangers / safety bars / restraints, general condition of device, electrical / console and housekeeping. Staff / operators to check for any loose wiring, damage and loose items. ALLLY FADED fors to check locking pins are secure a units and botts are tight, clips are in correct location, automatic safety devices are working correctly. Staff / operators to check shielding around ride and to ensure no sharp edges or exposed areas. Staff / operators to complete a test operation of the mechanical device prior to first customers / patrons to ensure ride is safe. Staff / operators to test the brakes and emergency stop button. Re-check blocking after test ride / completion of set up / daily to ensure blocking under traiter leveling jacks remain solid. Hydraulics set up as per manufactures manual are inspected daily / maintained as per manufactures manual. Maintenance schedule checked / up to date. Seats / restraints / arms of ride / tower are checked for any cracks / leaks or worn surfaces. 	L1	C4	Moderate	Manageme nt Operator

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	Inherent Risk: (what is the risk before controls)			e	Risk Treatments and Controls: (how are the risks managed)		idual R at is the trols)	i sk: e risk after	Responsibility: (who is responsible)
Operational controls and exclusion zones / areas	Excessive control speed resulting in customer / patron injury or health incident. Staff / operators or customers / patrons access the loading deck while the device is in motion resulting in serious injury / death and or property damage. Operational control cabinet not shut correctly and risk of electric shock. Unauthorized person climbs fence / tampers with ride / damages ride	L3	с с4			 patrons are not in distress then builds to fixed variable speed / time as per manufactures specifications. Regular inspection, speed and adjustment testing by a competent person. Staff / operators to ensure that counterweigh enclosure is secure with interlocking doors. Loading deck provided with fencing / barriers and staff / operators to ensure the exclusion zone area is clear prior to commencing the ride. Containment fencing / barriers and or guarding to be installed to prevent access to moving parts, crush zones, pinch points, contact zones and other identified exclusion zones / areas. 	L1		Risk Moderate	Management Operator
Passenger restraints	Lap bar not in working order, damaged resulting in an injury to customers / patrons. Paton / customer falls out of seat resulting in injury. Ride starts without operator checking all customers / patrons are seated / holding onto lap bar or fails to inform customers / patrons safety briefing resulting in customer / patron injury.	L3	C4	High			L1	C4	Moderate	Management Operator

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		L	С	Risk		L	С	Risk	
Emergency stop button	Emergency stop button not labelled, not in an accessible location resulting in a delayed device cessation in the event of an emergency or issue.	L3	C4	High	 Emergency stop buttons are installed on all mechanical amusement devices Emergency stop buttons are labelled, clearly is visible and tested on a daily basis as a part of the pre-operation inspection process. Staff / operators are trained on the use of emergency stop buttons and maintain clear access at all times. Staff / operators to remain at the control console and emergency stop button at all times during device operations. 	L1	C4	Moderate	Management Operator
Fire extinguisher									Management Operator
Electrical equipment and power	SA Electrical equipment not fit for purpose, damaged and or not maintained resulting is electric shock, power failure and or property damage.			Moderate	 All electrical systems and equipment to ALLY FADED and confirmed fit for purpose. Electrical leads and equipment inspected, tested and tagged by a competent person in the required frequencies. Mains power protected by RCD and RCD tested at the required frequencies. Minimum distance between power and ride Electrical leads are covered with a lead mat if necessary. Ride is shut down and locked when not in operation. 				Manageme nt Operator
Flammable lic aids	Flammable liquids not stored correctly resulting in fire , explosion, operator / bystander injury and or death.	L3	C4	High	 Fuel is stored in appropriate container and correctly labelled. Fuel is stored in a cool, safe, and secured area away from ignition sources and public. Appropriate minimum amount of fuel stored onsite for day use and additional fuel quantities stored off site. All fuel / liquids are stored in bunding. Spitt kit near onsite and off-site locations. Only trained staff to re-fuel. Substance release pathways identified and protected including ground, drains, slopes. Generator to be turned off for a minimum of 10 minutes prior to refuelling. Minimum two trained staff when refuelling. 	L1	C4	Moderate	Manageme nt Operator

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		L	С	Risk	L	С	Risk	
Hydraulics	 Hydraulic oil leakage resulting in operator / patron fall on slippery surface. Hydraulic failure during lowering / raising trailer resulting in crush points to operator. Hydraulic pump failure or hose bursts resulting in mechanical failure of ride and shut down. 			Moderate		C3	Low	Management Operator
Operator / Artendants of amusement	SAI Prolonged static postures maintained for long periods of time resulting in injury to operator. Fatigue of operator due to not having adequate breaks, becomes tired and not focused on ride safety putting patrons at risk / property damage. Operator standing under ride and hit by seats / patrons resulting in injury.			TENTION.	 LLY FADED Halfagement to ensure operators / attendants have regular breaks. Ride rotation among staff to reduce repetitive movements and fatigue levels. Shift work / rotating roster to ensure adequate breaks in busy periods. Operators to report any fatigue / safety issues to management. Noise / Vibrations routinely tested to ensure in line with standards. Staff / Operators remain off impact / ride area / seats and behind barrier when ride is in operation. 			Management Operator
Crowd Coninol / Security	Maximum number of customers / patrons exceeded on device resulting in over crowing and or serious injury. Patrons intoxicated or misbehaving. Ride tampered with / stolen when left unattended / carnival closed.	L3	C3	Moderate	 Staff / operator to load number of customers / patrons on the device as per manufactures requirements ensuring maximum numbers on ride is not exceeded. Barriers to ride and queue areas clearly marked and secure. Where possible installation of CCTV cameras covering ticketing box / line up and device. Patron's mis behaving / intoxicated will not be able to participant in the ride and ask to leave the ride area. Staff instructed to call security if required. 	C3	Low	Management Staff / operat or

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	Inherent (what is t controls)	the risk before	e Risk Treatments and Controls: (how are the risks managed)	(wh	sidual R i lat is the ltrols)	isk: risk after	Responsibility: (who is responsible)
	(what could happen or go wrong) Customers / patrons not clear on or fails to adhere to torme, conditions and requirements resulting in injury to a customer / patron and or property damage. User safety requirements not adequately managed by operator resulting in injury to a customer / patron and or property damage. Passenger becomes distressed during ride.	(what is t controls) L C	the risk before Risk		(wh con	at is the trols)	risk after Risk	
				 Ride will only start when the start-up criteria has been met. All staff / patrons / bystanders behind safety barrier prior to ride starting. Safeguard in control system to prevent any unauthorized start whitst patrons are being seated into ride / departing ride. 				

Activity / Focus Areas: (break down the activities)	Risks: (what could happen or go wrong)	Inherent Risk: (what is the risk before controls)			Risk Treatments and Controls: (how are the risks managed)	Residual Risk: (what is the risk after controls)			Responsibility: (who is responsible)
		L	С	Risk		L	С	Risk	
Emergency	Emergency management provisions not enacted delaying a response to an emergency situation. Venue emergency situation (fire, threat, essential services disruption).	L3	C4	High	 Staff to enact emergency procedures. Render / assist if it is safe to do so in the event of an emergency. Call 000 in the event of a medical emergency, contact the venue / client and escalate with management. For venue related emergencies, follow emergency protocols under the direction of venue operations / nominated emergency wardens and remain calm. 	L2	C4	Moderate	Management
Inclement Weather	SAME		INTE C4	NTIONAL	 Daily weather information monitored on BOM, WillyWeather and My lightning tracker app. Wind regularly monitored using a portable anemometer. Amusement device cessation if inclement LY FADEDr / conditions are identified that will compromise safety or the amusement device is forecasted. Daily weather information provided to staff and customers / patrons. Staff and customers / patrons instructed on emergency / cessation procedures. Amusement device cessation requirements in storm events including rain, electrical and when wind gusts reach thresholds identified in manufacturers manual and weather and wind management plan. Amusement device to cease if wind speeds / gusts reach tolerance / thresholds. Safety checks including device integrity and slippery surfaces to be conducted and addressed prior to recommencement after inclement weather / event. Secure and reinforce / strap device and loose items if windy conditions are expected or identified / detected. 	L1	C4	Moderate	Management Operator
Other:					•				

CONSULTATION AND REVIEW:

All workers involved in the activity must confirm that consultation and review of this risk assessment has occurred.

First Name:	Last Name:	Employer:	Date:	Signature: