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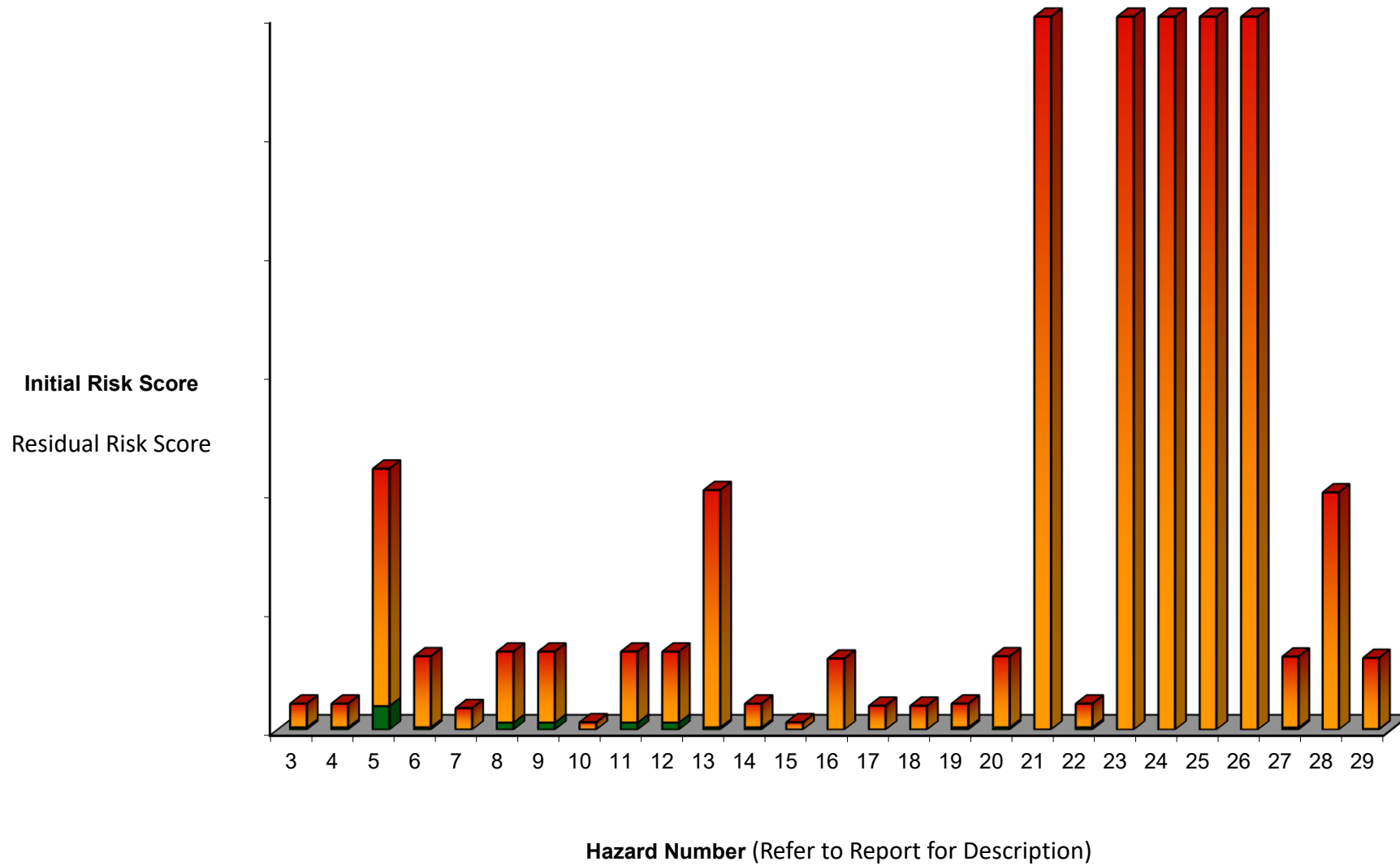


Organisation			Cyclekart Club of Australia		Facilitator		Michael Percy		Date of Assessment		16.09.2025										
Event			All / Non-specified		Reviewer				Date of Review												
Location			Dynamic Cyclekart Event or Club activity						Reference Number												
Item			Initial Risk Rating			Residual Risk Rating							Action / Note								
No.	Task / Item / Area	Hazard / Event Description	Current Risk Control	Impact Type	Severity	Severity Factor	Likelihood Type	Likelihood	Likelihood Factor	Initial Risk Rating	Mitigating Controls	Severity	Severity Factor	Likelihood	Likelihood Factor	Residual Risk Rating	Risk Reduction	% Risk Reduction	Comments / Recommended Improvements / Actions	By	Due
1	Crash / collision	Driver injury	None	Health and Safety	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	100	Uncertainty	Possible	1	100	Reduced speed - controlled by nominated engine and limited to 10kg or less Driver PPE including long sleeves, helmet and gloves.	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Unlikely	0.3	3.00	97.00	97.00%	Cyclekarts design guidelines to nominate maximum engine / motor power to limit max speed to safer level. Events are non-competitive. No awards given for event placings. No awards given for drivers series or similar competition Minimum mandatory PPE to be included in CCA guidelines and overall event management strategy including event regulations and drivers meeting NOTE neck braces are not mandated, as evidence to support injury reduction when used in kart racing shows that neck braces actually contribute to some neck injuries. Neck brace use is therefore down to driver preference.		
2	Crash / collision	Pedestrian injury	None	Health and Safety	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	100	Uncertainty	Possible	1	100	Ensure adequate segregation between CKs and pedestrians Ensure adequate pedestrian management All on-track volunteers to have minimum track marshal training	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Unlikely	0.3	3.00	97.00	97.00%	Event management plan to include adequate segregation between public and track Physical barriers should be considered for public events ALL on track volunteers must have at minimum marshal training		
3	Driver crashing into fixed object	Driver losing control / Leaving track	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons.	10	Uncertainty	Possible	1	10	Track route planning to avoid fixed objects where possible Where fixed objects remain, soft barriers to be erected	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	9.00	90.00%	Ensure that event management plan surveys course for fixed hazards		
4	Driver Competence	Driver crashing into other driver / cyclekart / spectator / fixed object	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Uncertainty	Possible	1	10	Driver competence training and assessment	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	9.00	90.00%	Management of driver competence via licensing and training scheme Behaviour expectations reinforced with drivers meetings Marshals to monitor for drivers behaviour Penalisation for dangerous driving / at-risk behaviour (Sent to pits and potential suspension cancellation of licence / membership for repeated or serious breaches)		
5	Hooning	Driver crashing into other driver / cyclekart / spectator / fixed object. Intentional disregard for safety protocols	None	Health and Safety	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	100	Uncertainty	Possible	1	100	Driver competence training and assessment On-track behaviour monitoring by Marshals Penalisation for Hoon monitoring.	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	100	Rare	0.1	10.00	90.00	90.00%	Residual severity is unchanged, only likelihood is reduced by controls, leading to high residual risk score. . Multiple controls are required to ensure that risk remains controlled in event of singular control failure Management of driver competence via licensing and training scheme Behaviour expectations reinforced with drivers meetings Marshals to monitor for drivers behaviour Penalisation for dangerous driving / at-risk behaviour (Sent to pits and potential suspension cancellation of licence / membership for repeated or serious breaches)		
6	Engine starting / pit activities / exiting running cyclekart	Runaway Cyclekart	None	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Uncertainty	Likely	3	30	Cyclekarts to be fitted with handbrake handbrake to be used when starting kart in absence of handbrake, driver to be seated in kart when kart engine started / running. Engine must be shut off before exiting	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	29.00	96.67%	Cyclekart construction guidelines to include handbrake requirement Scrutineering checklist to include handbrake check		
7	Noise	Nuisance	None	Reputation	Adverse local public or media attention and complaints Heightened scrutiny from regulator. Asset reputation is adversely affected with a small	3	Uncertainty	Likely	3	9	Ensure that all Cyclekarts meet noise requirements	Public concern restricted to local complaints. Low level interest from local media and/or regulator.	1	Rare	0.1	0.10	8.90	98.89%	Cyclekart construction guidelines to include silencer requirement		
8	Emergency Access	Delayed treatment due to emergency vehicle access restriction	Unspecified	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Ensure that adequate access is provided and maintained	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Rare	0.1	3.00	27.00	90.00%	Event management plan to include access audit and parking controls to ensure clearway		
9	Parking	Nuisance / reputation Inhibits emergency access resulting in delayed treatment	Unspecified	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Ensure adequate parking is provided for vehicles and trailers and that all accessways are adequately managed	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Rare	0.1	3.00	27.00	90.00%	Event management pain to include parking study Adequate / suitable parking management to be implemented		
10	Toilets / amenities	Nuisance / health risk	Unspecified	Reputation	Adverse local public or media attention and complaints Heightened scrutiny from regulator. Asset reputation is adversely affected with a small	3	Uncertainty	Possible	1	3	Ensure adequate amenities	Public concern restricted to local complaints. Low level interest from local media and/or regulator.	1	Rare	0.1	0.10	2.90	96.67%	Event management plan to include amenities study Ameneties to comply with council requirements (headcount:toilet ratio)		
11	First aid	Ability to administer first aid	Unspecified	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Ensure first aiders present	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Rare	0.1	3.00	27.00	90.00%	Event management plan includes allocated roles for marshals with mandatory first aid training		
12	Emergency services availability	Attendance delay for remote or rural events	Unspecified	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Liaison / notification of emergency services	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Rare	0.1	3.00	27.00	90.00%	Event management plan includes emergency services notification Lager or remote events may require hiring of St Johns ambulance support		
13	Track / venue specific hazards	Loss of control resulting in crash	Unspecified	Health and Safety	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	100	Uncertainty	Possible	1	100	Track check	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	99.00	99.00%	Event management plan includes track check Officials must walk the track All hazards must be adequately mitigated / controlled Fixed objects / ingress & egress / track condition / spectator segregation / visibility		
14	Mechanical failure of Cyclekart	collision with other CK or spectator	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Uncertainty	Possible	1	10	Minimum standard of construction enforced	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	9.00	90.00%	Cyclekart construction guidelines to include minimum construction stadnard Scrutineering checks to validate construction in accordance with guidelines		
15	Significant Weather Events - Rain - Heat - Cold	Risk of injury	None	Health and Safety	Objective but reversible disability/impairment Medical treatment.	3	Uncertainty	Possible	1	3	Shade, water stations, weather monitoring Contingency plan for suspension / reschedule	Low level short-term subjective inconvenience or symptoms. No medical treatment.	1	Rare	0.1	0.10	2.90	96.67%	Pre-event weather checks Drivers meeting advisory for participants		
16	Incomplete indemnity / waivers signed	Legal liability	None	Legal	Major civil litigation. Class actions.	30	Uncertainty	Possible	1	30	Waiver collection at sign-on Double-check process before drivers run	Low-level legal issue.	1	Very Rare	0.03	0.03	29.97	99.90%	No event shall start unless scrutineering and waivers have been completed No exceptions!!! Include process in event checklists and reminder in event regulations		
17	communications failure between officials	Risk of injury / accident	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Attention from regional media and/or heightened concern by local community. Criticism by community, NGOs or activists. Asset reputation adversely	10	Uncertainty	Possible	1	10	Backup radios and mobile phones Test comms before and during event User of flags / line of sight for marshalls & tack control	Low level short-term subjective inconvenience or symptoms. No medical treatment.	1	Rare	0.1	0.10	9.90	99.00%	Include pre-event and periodic communications checks / check ins Adoption of standard track / marshal / flag procedures		
18	Negative media/social media post	Reputation / Legal	None	Reputation		10	Uncertainty	Possible	1	10	Media/press policy, CCA social media guidelines Committee to approve official posts	Public concern restricted to local complaints. Low level interest from local media and/or regulator.	1	Rare	0.1	0.10	9.90	99.00%	Committee member behavioural guidelines Official Press policy		
19	Poor track surface / debris causes loss of control	Risk of injury	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Uncertainty	Possible	1	10	Pre event track check Event day track check ALL hazards / risks to be adequately mitigated	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	9.00	90.00%	Residual severity is unchanged, only likelihood is reduced by controls, leading to high residual risk score. Multiple controls are required to ensure that risk remains controlled in event of singular control failure Event management plan includes track check Officials must walk the track All hazards must be adequately mitigated / controlled In cases where track is deemed dangerous or risks are unable to be adequately controlled, event cancellation should be considered.		



Organisation			Facilitator										Date of Assessment									
Event			Reviewer										Date of Review									
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20	Accident management on track	Risk of cyclekart collision in events of accident / stoppage	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Adopt standard marshalling procedures Implement standard flag signalling Reduction in speed + alert drivers to hazard	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	29.00	96.67%	Track control management procedures to include marshalling and flag procedures Formal marshal training Driver training and drivers meeting to include marshalling and flag procedures Include within Event regulations Refresher at drivers meeting			
21	Club liability due to driver incompetence	Risk of injury	None	Legal	Hostile takeover, public shareholder discontent resulting in loss of Chairman/CEO/Board, bankruptcy, closure of	1000	Uncertainty	Possible	1	1000	Driver competence training and management	Low-level legal issue.	1	Rare	0.1	0.10	999.90	99.99%	Driver licensing and competence management Existing road license holder (non-license holders require competence assessment) Provision of road license number as part of club licensing Event participation requires liability waiver / fitness to drive statement (issued in drivers pack)			
22	Club liability due to incompetence	Risk of injury	#1 Driver PPE #2 Pedestrian segregation	Health and Safety	Moderate irreversible disability or impairment (<30% of body) to one or more persons.	10	Uncertainty	Possible	1	10	Driver competence training and management	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Rare	0.1	1.00	9.00	90.00%	Construction guidelines outline Cyclekart specifications Event participants are all paid members and operate in accordance with guidelines Cyclekarts are scrutineered to ensure compliance with guidelines			
23	Formal Legal Entity	Formal Legal Entity required to be able to deal with insurers / councils / corporate entities	None	Legal	Fines and prosecutions relating to criminal breaches including jail terms and/or being the subject of a royal commission.	100	Projects	...could easily be incurred and has generally occurred in similar studies or projects	3	300	Registration of club as an incorporated association Registration of club as Registered Australian Body	Low-level legal issue.	1	...conceivable, but only in extreme circumstances.	0.03	0.03	299.97	99.99%	Ensure ongoing registration of club as an incorporated association Ensure ongoing registration of club as Registered Australian Body			
24	Individual liability	Operating as non-incorporated association	None	Legal	Fines and prosecutions relating to criminal breaches including jail terms and/or being the subject of a royal commission.	100	Projects	...could easily be incurred and has generally occurred in similar studies or projects	3	300	Registration of club as an incorporated association Limits individual liability Registration of club as Registered Australian Body Allows Australia wide operations	Low-level legal issue.	1	...conceivable, but only in extreme circumstances.	0.03	0.03	299.97	99.99%	Ensure ongoing registration of club as an incorporated association Ensure ongoing registration of club as Registered Australian Body			
25	Club officer or agent behaviour	Club liability due to incompetence / at-risk behaviour	None	Legal	Hostile takeover, public shareholder discontent resulting in loss of Chairman/CEO/Board, bankruptcy, closure of organisation.	1000	Projects	...could easily be incurred and has generally occurred in similar studies or projects	3	3000	Committee nomination review process to ensure that nominees are suitable for role Ensure that appropriate checks and balances are implemented in review process	Low-level legal issue.	1	...conceivable, but only in extreme circumstances.	0.03	0.03	2999.97	100.00%	Committee nomination review procedure Check legal status to hold role (non-bankrupt etc) Review written nomination application to determine suitability (competence / risk appetite) Ensure committee member on-boarding includes roles and responsibilities (document)			
26	Unwanted pets / animal interaction	Animals running on to track	None	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Almost Certain	10	300	Strict pet management policy. All animals to be restrained / kept on lead	Low level short-term subjective inconvenience or symptoms. No medical treatment.	1	Very Rare	0.03	0.03	299.97	99.99%	Event management plan to include animal control Event regulations to include clear instruction for pet management			
27	Refuelling / fuel storage	Risk of Fire / explosion	None	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Cyclekart fuel tanks to be approved type Fuel stored in approved containers Pit crew kit to include fire extinguisher Fuel stored in designated area No smoking or naked flames	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Very Rare	0.03	0.90	29.10	97.00%	Develop fuel handling management plan			
28	Exhaust flames / sparks	Risk of grassfire	None	Environment	Unplanned serious or extensive impact (<20 years) on ecosystem or Threatened Species.	100	Uncertainty	Possible	1	100	Management of potential ignition sources when fire danger rating is high Potential cancellation of event when first risk level is Extreme or catastrophic	Unplanned low level environmental impact	1	Very Rare	0.03	0.03	99.97	99.97%	Management of potential ignition sources when risk is high e.g. power tools, exhaust spark arrestor Inclusion of spark arrestor requirement in construction guidelines Local fire level rating review as part of event management plan Potential for event cancellation when fire risk rating is 'extreme'. Additional risk assessment required to ensure event can proceed safely Event cancellation where fire risk rating is 'Catastrophic' (AFDRS fire risk level ratings)			
29	Track Familiarity	Risk of crash due to driver leaving track	None	Health and Safety	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	30	Uncertainty	Possible	1	30	Ensure driver familiarity with track. Conduct track walk or slow drive with pace kart at front to allow drivers to become familiarised with track.	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	10	Very Rare	0.03	0.30	29.70	99.00%	Track walk as part of drivers meeting is ideal as features / dangers / residual risks associated with the track can be highlighted and discussed by all. If track is a purpose build track or similar that is mapped, then a slow familiarisation lap may be more appropriate. This should follow the drivers meeting which should include a review of the track map before departure.			

Risk Analysis Report



Key - Severity

Severity Level	Health and Safety	Environment	Social and cultural	Reputation	Legal	Financial	Severity Factor
7	>50 fatalities. Very serious irreversible injury to >500 persons.	Unplanned permanent environmental impact over extensive area. Permanent loss of ecosystem or extinction of species.	Complete breakdown of social order. Widespread desecration of items of global cultural significance. Organisation directly responsible or complicit in severe, and widespread long term impacts on human rights.	Prolonged (>2 months) international multi-NGO and media condemnation.	Hostile takeover, public shareholder discontent resulting in loss of Chairman/CEO/Board, bankruptcy, closure of organisation.	>US\$2.5 1000 billion	1000
6	>20 fatalities. Very serious irreversible injury to >100 persons.	Unplanned severe impact (>20 years) on ecosystem or Threatened Species.	A breakdown of social order. Widespread damage to items of global cultural significance. Highly offensive infringements of cultural heritage. Organisation directly responsible or complicit in severe, long-term impacts on human rights	International multi-NGO and media condemnation. Organisation direct action (includes partner/contractor action) results in reputation issue. Large violent protest (>100 people) resulting in fatal injuries	Lack of valid operating title, forced closure of an operation, Anti-trust or Foreign Corrupt Practices inquiry.	AU\$250 million – AU\$2.5 billion	300
5	2 -20 fatalities. Short or long term health exposures leading to significant irreversible human health effects to >50 persons.	Unplanned serious or extensive impact (<20 years) on ecosystem or Threatened Species.	Extensive long-term social impacts. Widespread damage to structures/items/ locations of national cultural significance. Serious infringements of cultural heritage. Organisation directly responsible or complicit in multiple aggravated impacts on human rights.	Serious public or national media outcry (international coverage). Damaging NGO campaign. Organisation reputation severely tarnished. Third party actions (where Organisation is one of many in a group) result in reputation impact. Large protest (>100 people) with significant violence & serious, multiple injuries	Fines and prosecutions relating to criminal breaches including jail terms and/or being the subject of a royal commission.	AU\$50 million – AU\$250 million	100
4	Single fatality. Severe irreversible disability or impairment (>30% of body) to one or more persons.	Unplanned major impact (<5 years) on ecosystem or Threatened Species.	Major long-term social impacts or on-going social issues. Damage to structures/ items of national cultural significance. Major infringement and disregard of cultural heritage. Organisation directly responsible or complicit in major human rights impacts.	Major adverse national media/ public/ NGO attention. 20- 100 people protest, people restrained with force, arrests and injuries. Asset/CSG reputation majorly impacted.	Major civil litigation. Class actions.	AU\$5million – AU\$50 million	30
3	Moderate irreversible disability or impairment (<30% of body) to one or more persons. Days lost due to injury.	Unplanned moderate impact (< 1 year) to ecosystem or non-threatened species.	Moderate medium-term social impacts or frequent social issues. Moderate damage to structures/ items of local cultural significance. Moderate infringement of cultural heritage/ sacred locations. Moderate, temporary human rights impacts.	Attention from regional media and/or heightened concern by local community. Criticism by community, NGOs or activists. Asset reputation adversely affected.	Breach of regulation. Limits placed on operational ability	AU\$500,000 – AU\$5 million	10
2	Objective but reversible disability/impairment Medical treatment injury.	Unplanned minor impact (< 3 months) to non- threatened species or their habitat.	Minor medium-term social impacts on small number of people. Minor repairable damage or disturbance to property, structures, or items. Minor infringement of cultural heritage. Minor, temporary human rights impacts.	Adverse local public or media attention and complaints. Heightened scrutiny from regulator. Asset reputation is adversely affected with a small number of people.	Minor legal issues, non- compliances and breaches of regulation.	AU\$50,000 – AU\$ 500,000	3
1	Low level short-term subjective inconvenience or symptoms. No medical treatment.	Unplanned low level environmental impact	Low-level social impacts. Low-level infringement of cultural heritage or minimal disturbance to heritage structures. Minimal impact on human rights.	Public concern restricted to local complaints. Low level interest from local media and/or regulator.	Low-level legal issue.	<AU\$50,000	1

Key - Likelihood

Operations	Uncertainty	Projects	Likelihood Factor
Given the site, other organisation and industry experience, it...		Based on other organisations and industry experience with similar studies or projects, the risk event...	
...could be incurred more than once in a year	Almost Certain	...could be expected to occur more than once during the study or project delivery	10
...could be incurred over a one to two year budget period	Likely	...could easily be incurred and has generally occurred in similar studies or projects	3
...could be incurred within a five year strategic planning period	Possible	...incurred in a minority of similar studies or projects	1
...could be incurred within a five to ten year time frame	Unlikely	...known to happen, but only rarely	0.3
...could be incurred in a 20 to 30 year time frame	Rare	...has not occurred in similar studies and projects, but could	0.1
For a system failure: This consequence has not happened in the industry in the last 50 years. For a natural hazard: The predicted return period for a risk event of this strength / magnitude in one in 100 years or longer	Very Rare	...conceivable, but only in extreme circumstances.	0.03

Group Audit Services ratings

Well controlled

Requires some improvement

Requires significant improvement

Uncontrolled

Explanation

Controls, processes and performance requirements evaluated are adequate, appropriate and effective to provide reasonable assurance that risks are being managed and business and functional effectiveness objectives should be met.

A few specific control or performance requirement weaknesses were noted; generally however, controls and performance requirements evaluated are adequate, appropriate and effective to provide reasonable assurance that risk are being managed and objectives should be met. Certain controls or performance requirements may require improvement to ensure that the overall environment will continue to operate effectively.

Numerous specific controls or functional priority performance requirement weaknesses were noted. Controls or performance requirements evaluated are unlikely to provide reasonable assurance that risks are being managed and business and functional effectiveness objectives should be met. The control framework needs improvement to achieve a satisfactory level of risk mitigation.

Controls and performance requirements evaluated are not adequate, appropriate or effective to provide reasonable assurance that risks are being managed and objectives should be met. There is an urgent need for management to improve the control framework to achieve a satisfactory level of risk mitigation.