

Organisational Risk Assessment Scales and Matrix for GA Operators

Consequence Table							
Consequence descriptor	Safety			Business disruption			Environmental
	Operational Safety	Health and Safety	CA Act Compliance				
Catastrophic	Loss of aircraft, crew and PAX, and possibly people on the ground	High energy or similar incident causing multiple staff and or public fatalities		<i>Business Impact (general description)</i>	<i>Example causes / situations / events that could impact business</i>	<i>Business Impact (\$ value)</i>	
Severe	Operational incident or condition that would be expected to result in death	Workplace incident that would be expected to result in death	Loss of AOC due to CAA concerns regarding safety	Collapse of the business with resulting significant losses	Certification: eg. Loss or suspension of Aircare Accreditation, loss of DOC access, etc. Regulatory: eg. RMA non-compliance and resulting case, etc. Legal: eg. Criminal or civil prosecution, civil prosecution, etc. PR: eg. bad press, etc. HR: eg. loss of key staff, staff out of date quals, not competent, long term illness, etc. Assets: eg. damage to aircraft or other key asset, loss of IT system and or data etc. Third party: eg. theft etc. Financial: eg. poor cash-flow, poor book keeping, etc. Commercial: eg. loss of corner stone customer, loss of market base, etc.	> \$ loss or unintended costs	Environmental incident causing very significant or long term harm to the environment
Major	Operational incident that would be expected to result in permanent significant injury. <i>Compromised airworthiness of aircraft</i>	Workplace incident that would be expected to result in permanent significant injury	Withdrawal of AOC for a period due to safety concerns	Critical commercial situation threatening or significantly undermining the business		> \$ loss or unintended costs	Environmental incident causing significant harm to the environment that is difficult to mitigate
Serious	Operational incident that could be expected to cause injury. <i>Airworthiness of aircraft brought into question</i>	Workplace injury incident. Significant hazard exposure.	Findings or circumstances leading to imposed operational restrictions	Situation materially effecting business		> \$ loss or unintended costs	Environmental incident causing some harm to the environment - recoverable over time
Moderate	Operational occurrence or similar unintended event	Minor harm incident. Exposure to recognised hazard.	Key non-compliance(s)	Business or commercial impact requiring re-planning		> \$ loss or unintended costs	Environmental incident needing professional clean up
Minor	Sub-optimal process	Fright or discomfort. Exposure to incidental hazards.	Minor non-compliance(s)	Business or commercial impact absorbed as 'business as usual'		> \$ loss or unintended costs	Minor incident - easily cleaned up
Negligible				Incidental		< \$ loss or unintended cost	Incidental environmental incident

Likelihood Table			
Likelihood descriptor	Likelihood of occurrence within the Operator's own operations and business....		
	Indicative Frequency (per year)	(expressed as expected events per year)	Indicative frequency (expressed as time between events (yrs))
Probable	Almost bound to occur	1	1
Even chance	Could go either way	0.5	2
Unlikely	Not expected to occur that often	0.2	5
Improbable	Unlikely to occur	0.1	10
Highly improbable	Highly unlikely to occur	0.05	20
Barely credible	Is conceivable	0.02	50

Risk Matrix							
Descriptors	Negligible	Minor	Moderate	Serious	Major	Severe	Catastrophic
Probable	Low	Medium	High	Very High	Extreme	Extreme	Extreme
Even chance	Very Low	Low	Medium	Very High	Very High	Extreme	Extreme
Unlikely	Very Low	Low	Medium	High	Very High	Extreme	Extreme
Improbable	Very Low	Very Low	Low	Medium	High	Very High	Extreme
Highly improbable	Very Low	Very Low	Very Low	Low	Medium	Very High	Very High
Barely Credible	Very Low	Very Low	Very Low	Low	Low	High	Very High