

ARTC HAZARD RISK MATRIX

	Potential (MRO) Consequence				
Safety: Impact to People	Injury or illness with no impairment (may or may not require treatment)	Injury or illness with short-term impairment (less than 1 month)	Injury or illness with moderate but recoverable impairment (more than 1 month but less than 6 months)	Injury or illness with long term (more than 6 months) to permanent impairment	One or more fatalities
Environment: Impact to Environment	Minimal environmental impact	Limited and recoverable environmental impact	Significant and recoverable environmental impact	Permanent impact to area of less than high environmental significance	Permanent impact to area of less than high environmental significance
Assets: Impact to Network Performance	Immaterial disruption to non-critical track section	Material disruption to non-critical track section or Immaterial disruption to critical track section	Material disruption to a critical track section recoverable in the short-term	Material disruption to critical track section not recoverable in the short term	Material disruption to critical track section not recoverable in the short term with significant long-term impacts on customers
Assets: Impact to organisational capability	Manageable impact to internal operations, which may or may not require internal reallocation of existing resources	Missing short-term targets which may or may not require use of additional resources	Reduced ability to achieve business goals with some business impact	Material failure to achieve business goal(s) with significant business impact	Failure to achieve business goals with lasting impacts
Financial: Impact of this event in terms of a total cost estimation	≤10M loss or damage	\$10M to \$50M loss or damage	\$50M to \$250M loss or damage	\$250M to \$750M loss or damage	>\$750M loss or damage
	Not Significant	Minor	Moderate	Major	Extreme
	1	2	3	4	5

Likelihood	Almost Certain	Once per month (Is expected to occur in most circumstances)	A	MEDIUM 1A	MEDIUM 2A	HIGH 3A	VERY HIGH (Significant) 4A	VERY HIGH (Significant) 5A
	Likely	Between once a month and once a year (Will probably occur in most circumstances)	B	LOW 1B	MEDIUM 2B	HIGH 3B	VERY HIGH (Significant) 4B	VERY HIGH (Significant) 5B
	Possible	Between once a year and once in five years (Might occur at some time)	C	LOW 1C	MEDIUM 2C	MEDIUM 3C	HIGH 4C	VERY HIGH (Significant) 5C
	Unlikely	Between once in 5 years and once in 20 years (Could occur at some time)	D	LOW 1D	LOW 2D	MEDIUM 3D	MEDIUM 4D	HIGH 5D
	Rare	Once in more than 20 years (May occur in exceptional circumstances)	E	LOW 1E	LOW 2E	LOW 3E	MEDIUM 4E	MEDIUM 5E