

RISK ASSESSMENT MATRIX: Each hazard must be identified and assessed in order to identify and implement control measures, thereby reducing risk. The following chart is used to identify the **Probability** and **Severity** of the hazard, which will determine the appropriate **Level of Risk**, i.e. Extremely High, High, Moderate, or Low.

		RISK ASSESSMENT MATRIX				
		PROBABILITY				
SEVERITY		Frequent	Likely	Occasional	Seldom	Unlikely
		A	B	C	D	E
Catastrophic	I					
Critical	II					
Marginal	III					
Negligible	IV					
		Extremely High	High	Moderate	Low	

PROBABILITY

(The likelihood that a hazardous incident will occur)

Frequent – Occurs very often, continuously experienced.

Likely - Occurs several times.

Occasional - Occurs sporadically.

Seldom – Remotely possible; could occur at some time.

Unlikely - Can assume will not occur, but not impossible.

SEVERITY

(The expected consequence of an event {hazardous incident} in terms of degree of injury, property damage or other mission-impairing factors that could occur)

Catastrophic - Death or permanent total disability, system loss, major damage, significant property damage or mission failure.

Critical - Permanent partial disability, temporary total disability in excess of 3 months, major system damage, significant property damage or significant mission degradation.

Marginal - Minor injury, lost workday incident, minor system damage, minor property damage or some mission degradation.

Negligible - First aid or minor medical treatment, minor system impairment or little/no impact on mission accomplishment.

LEVELS OF RISK

Extremely High – Loss of ability to accomplish the mission.

High – Significant degradation of mission capabilities in terms of the required mission standard, inability to accomplish all parts of the mission, or inability to complete the mission to standard.

Moderate – Expected degraded mission capabilities in terms of the required mission standard will have a reduced mission capability.

Low – Expected losses have little or no impact on mission accomplishment.