

Risk Assessment Code Matrix (RAC)

Probability Code		Frequent (A) Immediate danger to health and safety of the public, staff or property and resources.	Likely (B) Probably will occur in time if not corrected, or probably will occur one or more times.	Occasional (C) Possible to occur in time if not corrected.	Rarely (D) Unlikely to occur; may assume exposure, will not occur.
Severity Code					
Catastrophic Imminent and immediate danger of death or permanent disability.	I	1 CRITICAL	1	2	3
Critical Permanent partial disability, temporary total disability.	II	1	2 SERIOUS	3	4
Significant Hospitalized minor injury, reversible illness.	III	2	3 MODERATE	4 MINOR	5
Minor First aid or minor medical treatment.	IV	3	4	5	5 NEGLIGIBLE

RAC levels are identified by a numerical scale 1 - 5, with RAC-1 being the most critical requiring immediate response, RAC-5 being the least critical. RACs are annotated by the RAC Number, followed by the Frequency and Severity. Examples of RAC annotations are 1(A)(I) for a RAC-1 that has catastrophic consequences and a immediate danger frequency. A 4(IV)(B) would be a low level risk, with a minor severity and a likely probability.

Risk Assessment Code (RAC)

Severity Code

Catastrophic (I)	Imminent and immediate danger of death or permanent disability.
Critical (II)	Permanent partial disability, temporary total disability.
Significant (III)	Hospitalized minor injury, reversible illness.
Minor (IV)	First aid or minor medical treatment.

Hazard Probability

Frequent (A)	Immediate danger to health and safety of the public, staff or property and resources.
Likely (B)	Probably will occur in time if not corrected, or probably will occur one or more times.
Occasional (C)	Possible to occur in time if not corrected.
Rarely (D)	Unlikely to occur; may assume exposure, will not occur.

Definitions

Probability	The likelihood that a hazard will result in a mishap or loss (Exposure in terms of time, proximity, and repetition).
Severity	The worst credible consequence that can occur as a result of a hazard.
Hazard	Any real or potential condition that can cause injury, illness or death of personnel, or loss and damage to equipment.
Risk	An expression of possible loss in terms of severity and probability (associated with human interaction).