



CraSH Matrix

	Hazards	Exposure Route	Risk	Control
Physical	<ul style="list-style-type: none"> • Broken structures • Carbon fibres (CF) • Explosives • Radiological • Stored energy 	<ul style="list-style-type: none"> • Cuts • Punctures • Crush • Inhalation/ingestion • Contact/proximity 	High Likely Probability Critical Severity <ul style="list-style-type: none"> • Severe injury and/or • Severely degraded mission capability 	<ul style="list-style-type: none"> • Control access • Avoid/cordon • Disarm • Decontaminate • No eating on site • Wear PPE • Apply Fixant
Chemical	<ul style="list-style-type: none"> • Petroleum, Oil, Lubricants/fluids • Metals/oxides • Viton (rubber) 	<ul style="list-style-type: none"> • Inhalation • Ingestion • Contact 	Medium Likely Probability Moderate Severity <ul style="list-style-type: none"> • Minor injury and/or • Degraded mission capability 	<ul style="list-style-type: none"> • Control access • Avoid/cordon • Neutralize • Decontaminate • No eating on site • Wear PPE
Environmental	<ul style="list-style-type: none"> • Cold/heat • Fatigue • Insects/wildlife • Enemy/Security • Political Situation 	Variable	Medium Likely Probability Moderate Severity <ul style="list-style-type: none"> • Minor injury and/or • Degraded mission capability 	<ul style="list-style-type: none"> • Control access • Implement site security • Apply work/rest cycles • Feeding/hydration • Insect repellent/sunscreen/ tick removal • Wear clothing appropriate for the weather • Wear PPE
Psychological	Traumatic exposure	<ul style="list-style-type: none"> • Direct exposure • Indirect exposure (vicarious trauma, narratives) 	Medium Likely Probability Moderate Severity <ul style="list-style-type: none"> • Minor injury and/or • Degraded mission capability 	<ul style="list-style-type: none"> • Control access • Apply work/rest cycles • Monitoring • Limit exposure and control information release • Wear PPE
Biological	Blood Borne Pathogens <ul style="list-style-type: none"> • HIV • Hepatitis B/C 	<ul style="list-style-type: none"> • Cuts • Punctures • Via mucous membranes 	Low Unlikely Probability Critical Severity <ul style="list-style-type: none"> • Severe injury 	<ul style="list-style-type: none"> • Control access • Decontaminate • No eating on site • Wear PPE • Vaccinate

Personal Protective Equipment

Low Risk

Coveralls



High Risk

Coveralls



Military



Civilian



Dry Environment - tucked and taped clothing

Wet Environment - loose and layered clothing