Appendix A – Trail Bike Operations Risk Assessment Tool

Approved by _____(Initial)

Joint Operational Protocol for Remote Area Firefighting 2019

Applicability - This risk assessment is applicable to the following Incident(s)

Incident			
DTG Start		DTG Finish	

Weather - Complete forecast weather and fire conditions

Temperature (Max)		Wind Change, Direction and Time	
Relative Humidity (Min)			
Wind Speed/Gusts (Km/h)		Fire Danger Index (Max)	
Wind Direction		Forecast Storms	

Personnel and Resourcing

The riders undertaking this deployment are qualified and current NSW RFS Trail Bike Riders.	☐
The riders undertaking this deployment hold current arduous medical and pack test classifications.	☐
Both riders hold current First Aid qualifications.	☐
At least one rider is qualified as a Crew Leader (CLW).	☐

Communications

P – PRIMARY	
A – ALTERNATE	
C – CONTINGENCY	
E – EMERGENCY	

Medical and Emergency Planning

Please note the location or name of a medical/ emergency plan that covers this Trail Bike deployment.

Risk Assessment Guide

1. Consequence Table (Worst Case after Controls Applied)

Rating	Description
Extreme 5	Multiple fatalities and/or injuries with widespread medical attention required.
Major 4	Single fatality, serious injuries or occupational illnesses with potential acute or chronic disabilities.
Moderate 3	Medical treatment required with potential short term absence <1 week with no fatalities or serious long term disabilities
Minor 2	Minor injuries only, medical treatment required. Sick leave not required.
Insignificant 1	Onsite first aid may be required.

2. Likelihood Table (After Controls Applied)

Likelihood	Description
Highly Likely 5	The consequence is expected to be experienced in most circumstances **(monthly).** High level of known incidents.
Likely 4	The assessed level of consequence will probably be experienced in most circumstances **(annually).** Regular incidents are known about.
Possible 3	The assessed level of consequence should be experienced at some time **(2 - 5 years).** Few, infrequent random occurrences are known about.
Unlikely 2	The consequence could be experienced at some time **(5 – 15 years).** Usually no known incidents recorded or experienced.
Highly Unlikely 1	The consequence may be experienced only in exceptional circumstances **(15+ years).** Not known to have occurred.

3. Risk Rating Matrix Table (Residual Risk) (Product of Consequence and Likelihood)

	Insignificant 1	Minor 2	Moderate 3	Major 4	Extreme 5
Highly Likely 5	Low L7	Medium M4	High H4	Critical C4	Critical C1
Likely 4	Low L8	Medium M5	High H5	High H2	Critical C2
Possible 3	Low L9	Low L4	Medium M3	High H3	Critical C3
Unlikely 2	Low L10	Low L5	Low L2	Medium M2	High H1
Highly Unlikely 1	Low L11	Low L6	Low L3	Low L1	Medium M1

4. Recommended Actions for Residual Risks

Risk	Recommended Action
Critical	Halt activity and immediately escalate to Incident Controller.
High	Halt activity and review plan.
Medium	Review control measures, proceed with caution, and monitor situation and risks.
Low	Proceed in accordance with standard operating procedures.

Risk Assessment Template

Hazard	Risk	Control Measures	Consequence	Likelihood	Residual Risk
Riding on Trails	Rider fall				
	Flying debris				
	Collision with stationary object				
Riding on Roadways	Traffic Accident				
Trail Traffic	Collision with other bikes or vehicles				
	Collision with other RFS trail bike				
Environmental (Weather)	Exposure (Cold and Wet)				
	Exposure (Heat)				
Environmental (Remoteness)	Serious injury or illness in remote area				
	Loss of communications				
	Personnel becoming lost				
Bush Fire Environment	Fire overrun/burns				
	Dehydration				
Personnel	Allergies and medical conditions				
	Qualifications, capability and fitness for tasks				
Falling Trees/Branches	Serious trauma				
Flammable Liquids	Ignition of bike fuel				
Fatigue	Bike accident				

Risk Assessment Prepared By	Preparing Officer Signature	Approving IC Signature	DTG

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