

OPERATIONAL RISK ASSESSMENT (ORA)

Severity		Likelihood					Risk rating	
	1 Rare	2 Unlikely	3 Possible	4 Very likely	5 Almost certain	1-8	Low risk	No further action required
1	No injury	1	2	3	4	5	Control measures must be implemented before proceeding	
2	First aid	2	4	6	8	10	Medium risk	
3	7 day injury	3	6	9	12	15	9-15	
4	Major injury	4	8	12	16	20	High risk	Consider alternative means of achieving task
5	Fatality	5	10	15	20	25	16-25	

REF	Activity	Hazard	Risk	Person at Risk	Control Measure Tactics		Risk Evaluation	Further Control Measures	Risk Evaluation
					Staff	Other agencies			
<u>1.2.0.01</u>	Operating in rural environments and open spaces	Scene of operations and terrain	<ul style="list-style-type: none"> Loss of life Major injury Musculoskeletal Injury Respiratory injury Contamination 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<ul style="list-style-type: none"> Refer to generic control measures Refer to any available operational information Liaise with responsible person or range officer Identify and monitor access, egress and escape routes Brief teams with information on access, egress and escape routes Identify and control hazard areas Establish and maintain cordons Implement safe system of work Consider utilising Argocat 4x4 vehicles Operate at safe distances from live electrical equipment 	1	5	5
<u>1.2.0.02</u>	Firefighting operations at wildfires	Fire Behaviour	<ul style="list-style-type: none"> Loss of life Major injury 	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<ul style="list-style-type: none"> Refer to generic control measures 	1	5	5

REF	Activity	Hazard	Risk	Person at Risk	Control Measure Tactics	Risk Evaluation		Further Control Measures	Risk Evaluation $L \times S = RR$		
						L X S = RR					
						Staff	Public agencies				
				• Thermal injury • Musculoskeletal Injury • Respiratory injury	<ul style="list-style-type: none"> • Refer to any available operational information • Utilise anchor point positions to commence firefighting • Use Wildfire Prediction System (WPS) • Request weather information and consider the effect • Identify safe access and egress routes • Utilise appropriate firefighting media and techniques • Consider evacuation of surrounding properties • Request attendance of Police • Don appropriate PPE/RPE, consider eye protection • Consider using aerial observation to gain situational awareness 						
				• Loss of life • Major injury • Thermal injury • Musculoskeletal Injury • Respiratory injury	<ul style="list-style-type: none"> • Refer to generic control measures • Refer to any available operational information • Identify fuel type and arrangement • Request weather information and consider the effect • Assess likelihood for extreme fire behaviour • Utilise Wildfire Prediction System (WPS) • Identify safe access and egress routes • Utilise anchor point positions to commence firefighting • Consider evacuation of 						
<u>1.2.0.03</u>	Firefighting operations at wildfires	Extreme fire behaviour									

REF	Activity	Hazard	Risk	Person at Risk	Control Measure Tactics	Risk Evaluation	Further Control Measures		Risk Evaluation L x S = RR
							Staff	Other agencies/agencies	
					<ul style="list-style-type: none"> • Request attendance of Police • Utilise appropriate firefighting media and techniques • Consider appropriate PPE/RPE, consider eye protection 				
<u>1.2.0.04</u>	Firefighting operations at wildfires	Undetected fire spread	<ul style="list-style-type: none"> • Major injury • Thermal injury • Musculoskeletal Injury • Respiratory injury 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<ul style="list-style-type: none"> • Refer to generic control measures • Conduct direct observation • Utilise a TIC • Consider utilising aerial observation • Conduct damping down and turning over 	2	4	8	
<u>1.2.0.05</u>	Operating at wildfire incidents	Moving, using and entrapment of vehicles	<ul style="list-style-type: none"> • Loss of life • Major injury • Thermal injury • Musculoskeletal injury • Respiratory injury 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<ul style="list-style-type: none"> • Refer to generic control measures • Refer to any available operational information • Anticipate the effects of fire development and thermal radiation • Implement LACES protocol • Consider routes for access, egress and escape of vehicles • Position vehicles appropriately • Consider the impact of firefighting activities on access, egress and escape routes of vehicles 	1	5	5	
<u>1.2.0.06</u>	Operating at wildfire incidents	Other agencies, vehicles, equipment and personnel	<ul style="list-style-type: none"> • Loss of life • Major injury • Thermal injury • Musculoskeletal injury • Respiratory injury 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<ul style="list-style-type: none"> • Refer to generic control measures • Consider requesting additional resources • Ensure all personnel are closely supervised when operating in the inner cordon • Share information about the 	1	5	5	

Section 2 Risk Assessment

REF	Activity	Hazard	Risk	Person at Risk	Control Measure Tactics	Risk Evaluation	Further Control Measures		Risk Evaluation L x S = RR
							Staff	Other agencies/agencies	
<u>1.2.0.09</u>	Operating at wildfire incidents	Presence of animals	<ul style="list-style-type: none"> Loss of life Major injury Thermal injury Musculoskeletal Injury Respiratory injury 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> Utilise corporate communications social media to warn and inform Refer to generic control measures Refer to NOG SOP 2.1.6 Animal Rescue Refer to any available operational information Liaise with the responsible person or animal owner Establish a tactical plan for animal rescue Avoid or isolate animals Rescue or evacuate animals Consider assistance from animal rescue specialist and RSPCA Maintain communications between FRS personnel and animal owners Consider screening for deceased animals 	1	5	5	
<u>1.2.0.10</u>	Operating at wildfire incidents	Physiological hazards	<ul style="list-style-type: none"> Loss of life Major injury Thermal injury Musculoskeletal Injury Respiratory injury 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> Refer to generic control measures Select appropriate team size for tasks Regular rotation of FRS personnel Establish a welfare sector Consider the relaxation of PPE in rest areas Monitor health of FRS personnel and refer if appropriate to medical professionals 	1	5	5	
<u>1.2.0.11</u>	Use of aircraft at a wildfire incident	Inappropriate or uncontrolled use of aircraft	<ul style="list-style-type: none"> Loss of life Major injury Thermal injury Musculoskeletal Injury Respiratory injury 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> Refer to generic control measures Refer to NOG SOP 3.3.0 Air Notify the appropriate authorities about potential 	1	5	5	

Section 2 Risk Assessment

REF	Activity	Hazard	Risk	Person at Risk	Control Measure Tactics		Risk Evaluation	Further Control Measures	Risk Evaluation
					Staff	Other agencies			
								natural beauty (AONB)	