

Risk Registry Worksheet			1. Incident Name: Middle Fire			2. Incident Number: AZ-TNF-001699					
3. Operational Period: Day Shift / Night Shift			4. Prepared by: (Safety Officer Signature & Date) Elliot Pickett SOF2 Ryan Romero SOF2 (T) July 14 th, 2021			5. Reviewed by: (Operations Section Chief Signature & Date) /s/ Lathe Evans, OPS 2 (T)					
Signature:			Title:			Date: July 15 th, 2021					
Identify Hazards		Assess Hazards		Risk Control Options		Residual Risk		Decision	Implement		
7. Task	8. Hazard	9. Hazard Probability	10. Severity	11. RAC	12. Identify hazard mitigations & measures (press [alt + enter] to add a line)	13. Hazard Probability	14. Severity	15. RAC	16. Task Necessary?	17. Hazard Control Assigned to:	Negligible?
Transportation - Ground	Motor Vehicle Accident-All Causes: visibility, other vehicles, pedestrians, bicycles, wildlife, road surface, livestock.	Likely	Critical	Extremely High	Establish Incident Base near fire to minimize driving distances, establish camps as needed (if transportation times approach 1 hour or greater). Utilize virtual briefings to minimize driving required to attend in person briefings. Local roads can be narrow with little to no shoulder, present blind corners and hills, soft ground and stream crossings requiring 4x4 use. Rain is causing many roads to become extremely slippery, delay driving until roads dry out. Local highways (I-17, Cave Creek Road, Bartlett Lake Road, and others) have heavy weekend recreation traffic. Minimize or eliminate distractions within your vehicle, adhere to driving policy, work rest policy, duty day limitations. Maintain vehicle readiness: clean windows, use headlights day & night, seatbelt use, take frequent breaks during long drives, obey posted speed limits, use backers if available. If a motor vehicle accident (MVA) occurs refer to IRPG page 35 for mitigations.	Possible	Critical	High	YES	All Drivers	
All Incident Operational Tasks	Weather - Lightning	Unlikely	Catastrophic	High	Consider lightning for all incident actions / operations, review IRPG page 21 for mitigations. Seek buildings with electrical wiring or indoor plumbing, if unavailable seek a hard top vehicle, if unavailable don't be the tallest point on the ground. Avoid grouping together, crouch if your hair stands on end. Monitor radio for IMET updates related to adverse WX, monitor radar apps on cell phone/tablet. Request a spot WX Forecast, refer to IRPG page 65-66.	Rare	Catastrophic	Moderate	NO	All Personnel	
All Incident Operational Tasks	Electrocution - Power lines	Unlikely	Catastrophic	High	Review IRPG page 24 for mitigations. Treat all powerlines as energized.	Rare	Catastrophic	Moderate	YES	Division Supervisors	
Aviation Operations - Bucket Work, Retardant Longline, Medevac, Aerial Recon, Troop Shuttle	Powerlines	Unlikely	Catastrophic	High	Review IRPG page 25 (Aerial Tactics) & page 50 (Helicopter Landing Areas). Never assume helicopter pilots know about wires, always advise of known aerial hazards.	Rare	Catastrophic	Moderate	YES	All Operations Personnel Division Supervisors ATGS	
All Incident Tasks	Medical - Heat Related Illness	Possible	Critical	High	Refer to IRPG pg 109 for mitigations. Utilize the "Heat Related Illness" info available thru the QR code on the cover of the IAP to determine length of shift and work to rest ratio per hour to avoid a HRI.	Possible	Moderate	Moderate	YES	Division Supervisors Medical Unit	
All Incident Operational Tasks	Medical - Delay In Providing Advanced Life Support	Possible	Critical	High	Provide Advanced Life Support, including REM, near any operational work locations. Scout for and identify potential helispots and obtain approval for use (pilot & manager required prior to placing on maps)	Unlikely	Critical	Moderate	YES	Division Supervisors	
Transportation - Ground - UTV	Human Factors - Experience & Training	Possible	Critical	High	Evaluate if UTV use is justified (utilize Risk Assessment Tool card (RAT card). Utilize trained and certified drivers only, drive at reasonable and prudent speeds, follow your agency policy regarding PPE use to minimize injury potential. Avoid driving or riding on public roads which increases the possibility of an accident. Reference Chapter 14 of the 2021 Red Book page 310, UTV head protection for wildland fire operations. Avoid driving through running water (Deep Running Water).	Unlikely	Critical	Moderate	YES	UTV operators Division Supervisors	
Transportation - Ground - UTV	UTV Rollover / Accident	Possible	Critical	High	Maintain overall weight within manufactures limits, do not overload UTV. Avoid aftermarket roof racks that change the C/G of vehicle. Conduct daily PM checks (T-CLOC). Only qualified operators to drive UTV's. Operate within your skill limits. Drive at reasonable speeds and avoid travel on side slopes. No cross country travel.	Unlikely	Critical	Moderate	YES	UTV Operators Medical Section	
Aviation Operations - Bucket Work, Retardant Longline, Medevac, Aerial Recon, Troop Shuttle	Aircraft Mishap - General	Rare	Catastrophic	Moderate	Refer to IRPG Aviation User Checklist page 45 (blue section) and Emergency Medical Care (pink section) sections, especially pages 50-54, 57, 62, 116-117. Review and train on the Helicopter LZ Brief to improve communications between ground and pilot. Ensure area or line is cleared prior to water or retardant drops, provide immediate feedback to pilots as to effectiveness of drops.	Rare	Catastrophic	Moderate	YES	Division Supervisors	
Patrol/Secure Fires Edge/Mop-up	Burns - Ash Pit/Stump Holes	Rare	Critical	Moderate	Avoid or closely evaluate the need for mop up activities in areas where woody material could be buried under soil (river banks, stream beds)resulting in a fall into an ash pit. Avoid "hydro-mining" or straight stream nozzle usage to reach deep under soil in debris piles or stump holes as this practice can cause a "steam explosion" resulting in burn injuries. If the ground near mop up operations is collapsing on it's own notify supervisor.	Rare	Critical	Moderate	YES	Division Supervisors	
Initial Attack	Entrapment - Any Cause	Unlikely	Critical	Moderate	Ensure 10- 18 are reviewed, ensure LCES is reviewed and in place.	Rare	Critical	Moderate	YES	Division Supervisor	
Incident Command Post / Incident Base / Camps	Hostile Individual	Rare	Critical	Moderate	Refer to Active Shooter Plan for Team 4	Rare	Critical	Moderate	NO	All Personnel	
Night Medevac	Aviation Mishap - Any Cause	Rare	Catastrophic	Moderate	Ensure the Landing Zone Briefing is transmitted to pilots prior to landing. If hoist or short haul operations are occurring ensure extraction location hazards such as height of timber or other flight hazards are communicated to pilots. Utilize the Medical Incident Report when calling Communications Unit. Utilize Military 9-Line Report if National Guard aircraft are providing medevac.	Rare	Catastrophic	Moderate	YES	Division Supervisors Medical Unit IWI IC	
Night Medevac	Human Factors - Experience & Training	Rare	Catastrophic	Moderate	Plan for night medevac operations by ensuring strobes & headlamps have fresh batteries, glow sticks (use red not green) are available, confirm aerial hazards such as powerlines do not exist in area of operations (helispots, short haul, or hoist)	Rare	Catastrophic	Moderate	YES	Division Supervisors Medical Unit IWI IC	
Saw Usage	Chainsaw - Gysering / Injury	Unlikely	Critical	Moderate	Review causes for gysering and anticipate occurrence, minimize possibility of gysering to occur, provide proper trauma kits near saw operations.	Rare	Critical	Moderate	YES	Division Supervisors Sawyers and Swampers	
Scouting/Monitoring/Recon - Ground	Entrapment - Any Cause	Unlikely	Critical	Moderate	Ensure 10- 18 are reviewed, ensure LCES is reviewed and in place.	Rare	Critical	Moderate	YES	Division Supervisors	
Transportation - Ground-ATV	ATV Rollover / Accident	Unlikely	Critical	Moderate	Evaluate if ATV use is justified (utilize Risk Assessment Tool card (RAT card). Utilize trained and certified riders only, ride at reasonable and prudent speeds, follow your agency policy regarding PPE use to minimize injury potential, avoid driving or riding on public roads which increases the possibility of an accident. Reference Chapter 14 of the 2021 Red Book page 310, ATV head protection for wildland fire operations. Avoid driving through running water (Deep Running Water).	Rare	Critical	Moderate	YES	ATV Operators Division Supervisors	
All Incident Tasks	Allergic Reaction - Insects/Animals	Possible	Moderate	Moderate	Identify individuals with known allergic reactions, make epi-pen locations known, communicate and flag known bee locations. Watch for snakes and scorpions in work, rest, and sleeping areas. Coordinate with ALS on your Division Supervisor.	Unlikely	Moderate	Low	YES	All Personnel Medical Unit	
Point Protection / Structure Protection	Electrocution - Power lines	Unlikely	Critical	Moderate	Review IRPG page 12 for WUI mitigations and page for 24 for powerline mitigations.	Rare	Moderate	Low	YES	Division Supervisors	
Point Protection / Structure Protection	Hazardous Materials	Unlikely	Critical	Moderate	Review IRPG page 30 for smoke mitigations. (Assumption that Maz-Mat is in normal residential quantities)	Rare	Moderate	Low	YES	Division Supervisors	
All Incident Operational Tasks	Medical - Hygiene, Illness, Disease	Possible	Moderate	Moderate	Refer to CDC recommendations about COVID-19,norovirus, strep throat, etc. Maintain good or better personnel hygiene, coordinate with county health departments as needed. Refer to SWA Team 4 Infectious Disease Plan.	Unlikely	Moderate	Low	YES	All Personnel Medical Unit	
Transportation - Ground	MVA-Visibility-Smoke	Unlikely	Critical	Moderate	Review IRPG page 31 for mitigations.Utilize other agencies (ADOT, county road dept) for signage.	Unlikely	Moderate	Low	YES	Division Supervisors Night Shift	
Transportation - Ground	Slips/Trips/Falls - Steep Terrain, Unstable Surface	Possible	Moderate	Moderate	Communicate hazards while hiking, watch footing while on steeper ground, minimize working above others while on slopes.	Unlikely	Moderate	Low	YES	Single Resource Bosses	