Wildland Fire Response Plan COVID-19 Pandemic

Southwest Geographic Area

April 2020



Record of Changes

The uncertainty associated with the COVID-19 pandemic and the ongoing development of standard protocols and practices – and other changes to existing standards for wildland fire response – necessitates that this Wildland Fire Response Plan (WFRP) be a living document and subject to updates, as new or more current information emerges. The following **Record of Changes** represents the process to log the dates, sources of change, details of the modification, and the dates that the modifications were added/updated in the plan. This will be the single point source for documentation of WFRP version updates. The first version of this document was published on April 8, 2020; and all subsequent version changes are documented in the table below.

Date	Source	Change	Date Added to WRFP
4/20/2020	ACT 3 – Jalbert	Southwest Geographic Area WFRP – first version – delivered to SW Region Coordinating Group Chair	4/20/2020
5/4/2020	Errata – Nuttall	SW WFRP Errata Sheet #1. Pg 8 (Section 2.3);	5/5/2020
5/5/2020	Errata – Nuttall	SW WFRP Errata Sheet #2. Pg. 6 (Contents); Pg. 8 Section 2.2; Pg. 11 (Section 4.2); Pg. 18 (Section 6.1); Pg 101 (Appendix F) all have updates.	5/5/2020

Date	Source	Change	Date Added to WRFP

1 Preface

This Wildland Fire Response Plan (WFRP) has been developed to provide guidance and considerations for maintaining continuity of wildland fire response in the presence of the COVID-19 pandemic for the 2020 fire year in the Southwest Geographic Area. The plan is intended to be a single point of reference and provide considerations for those tasked with management of wildland fires. These considerations include thoughts on planning needs, possible actions, and immediate needs to help wildland fire management agencies and organizations sustain, to the extent possible, the highest degree of resource availability, while providing for the safety and protection of all wildland fire response personnel at all organizational levels in all areas across the country.

The WFRP is constructed for applicability at all levels. However, some of the information presented here may not have the same utility for all participating agencies and organizations. For example, many practices and protocols listed here for consideration may only be acceptable for use by federal agencies and not by state and local governments. In other cases, more specific practices and protocols may be developed and implemented at local levels.

NOTE: Protocols, policies, direction, and other guidance set forth by your agency or leadership are your overarching standards, overshadow this WFRP, and should be strictly adhered to.

This WFRP is designed with two main sections:

Information that is "Strategic"

Information that is "Tactical"

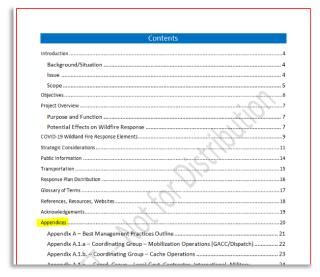
Strategic information is intended for all levels of wildland fire response – from national level, regional level, local level, to module level. There is applicable information for everyone in the Strategy portion of the document. Strategic information is found throughout the document but occurs primarily in the main body of the document on pages 8-26.

Tactical information is intended for local area fire managers, Incident Management Organizations, and the "boots on the ground" in the format of Best Management Practices (BMPs). The BMPs are found in <u>Appendix B</u> of the Document. The BMPs have been designed to be concise, to the point, easily understandable, and printable as stand-alone documents for use by the respective resources – very similar to an Engine Captain focusing their attention to the pertinent ICS-204 Division Assignment from an Incident Action Plan (IAP).

<u>Appendix A</u> – *All Fire Personnel Best Practices* – is a companion to <u>Appendix B</u> and should be reviewed and referenced concurrently with <u>Appendix B</u>.

Readers are encouraged to review the entire document <u>and</u> to use the <u>Contents</u> page to assist with identifying information most applicable to their needs.





BMPs may not offer the detail that some personnel would like. This detail can be supplemented by locally prepared information (see NOTE at the end of this Preface). The COVID-19 pandemic is an evolving situation that has never been encountered before in wildland fire management. All the answers are not known at the current time, and new information and experience will continue to emerge throughout the fire season.

The WFRP was developed by Area Command Team #3, in coordination with as many of the appropriate agencies, organizations, and individuals in the Southwest Geographic Area (SWGA) as possible. The Team worked directly with the Geographic Area Coordinating Group Chair, all participating agencies and organizations, dispatch/coordination centers, and various local units. This comprehensive coordination enabled clear communication with all involved participants, fostered improved awareness and understanding of the purpose and intent of the WFRP, reduced possible duplication of effort, ensured a coordinated effort and synchronization with other efforts in the Geographic Area (GA), and promoted support and endorsement at all levels.

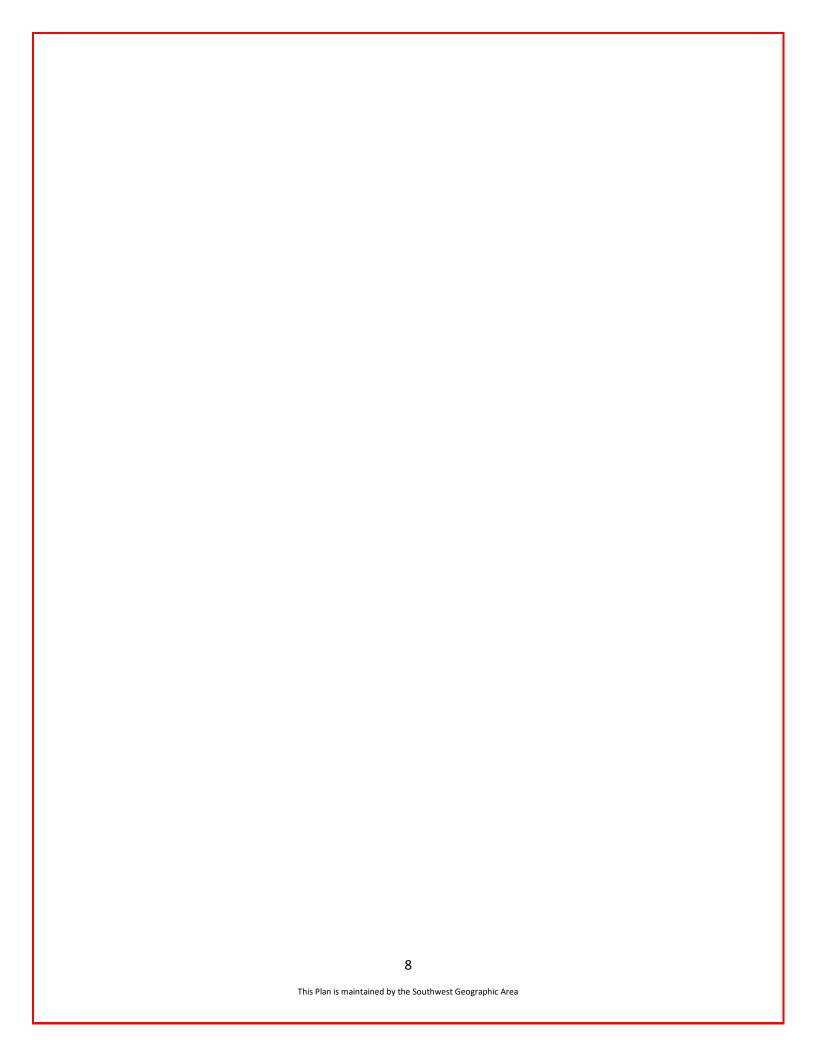
NOTE: This plan is intended to provide a higher-level framework of considerations and not specific operational procedures. The plan is not written in terms of "how to" but instead provides considerations of "what," "why," and "where" – with a focus on the "mob-to-demob" time period. As more information becomes known, the plan should be supplemented by development of more specific operational procedures by agencies and local level units. The continued addition of practical information is strongly encouraged. The BMPs provided in the Appendices are intended to offer information to help reduce the likelihood of COVID-19 spread during wildland fire suppression operations. But, for them to be effective, they will need to be strictly followed. Due to potential changes from past experiences and practices, local personnel are strongly encouraged to practice, repeat, and understand the information provided in each BMP.

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2 Introduction

2 Background/Situation

Coronaviruses are a large family of viruses that cause illnesses ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). Coronaviruses comprise an entire branch of the virus family tree that includes the disease-causing pathogens behind SARS, MERS, and several variants of the common cold that infect humans. A new variant of this family has arisen over the last few months and has spread around the world. SARS-CoV-2 is the name of the virus; COVID-19 is the disease it causes.

Information regarding current risk and threat of COVID-19 is updated continuously on the <u>Centers for Disease Control and Prevention</u> (CDC) website.

2 Issue

Like other coronaviruses, the SARS-CoV-2 virus infiltrates the airways of its hosts. At worst, these pathogens cause severe forms of viral pneumonia, which in some cases leads to death. The vast majority of COVID-19 cases—about 80 percent—appear to be mild, causing a spate of cold-like symptoms like coughing, shortness of breath, runny nose, sore throat, feeling unwell, and fever. Many people are suspected to carry the virus without presenting any symptoms. COVID-19's spread rate suggests the virus is more contagious than any of its predecessors, as well as most strains of the distantly related influenza virus.

According to the World Health Organization, individuals with underlying medical issues including respiratory and heart conditions, as well as smokers, are among those at highest risk. Despite some reports to the contrary, children can be infected but appear less vulnerable.

The virus can move directly from person to person through droplets produced by coughs or sneezes that travel through the air to settle directly on skin or frequently touched surfaces, like doorknobs or cell phones. After a person is exposed, symptoms can take weeks to appear, if at all. Those who carry the virus without showing signs of illness can still spread the disease.

Projections have been made for significant numbers of individuals in America to become infected with COVID-19. The World Health Organization has declared the widely dispersed geographic spread of COVID-19 a pandemic. The President has declared a national emergency, with numerous States also declaring states of emergency. Current mitigation measures have resulted in business closures, reductions in commercial travel, grocery supply shortages, and restrictions on all types of gatherings with even moderately small numbers of individuals.

Wildland fire response is just beginning to increase and move toward its peak activity, usually occurring later over the summer months. Advanced planning is a necessary part of ongoing efforts to prepare for the potential impacts of this pandemic. It will be necessary to ensure that as fire activity increases and demands for firefighters and equipment expand, all steps have been taken to ensure the ability to sustain an effective wildfire response, while ensuring the maximum safety of all personnel.

In addition, any exacerbating effects that wildfire smoke may have on COVID-19 are not well known at this time. Although not directly researched or tested, the exposure to wildfire smoke appears to potentially lead to increased susceptibility to COVID-19, may worsen severity of the infection, and may pose more risks to those who are recovering from serious COVID-19 infection. These concerns are based on research into the respiratory effects of acute and long-term air pollution and specifically respiratory effects of biomass burning smoke and subsequent infection with influenza and other viruses (see Appendix F).

2 Scope

The National Area Command Teams (ACTs) and one Geographic Area Type 2 Incident Management Team (IMT) were tasked by the National Multi-Agency Coordinating Group (NMAC) to coordinate with Federal, State, County, and Tribal officials to identify all issues related to the COVID-19 pandemic and wildland fire response in the United States. Their mission entailed direct work with all Geographic Areas (GA) in the US, Geographic Area Coordinating Groups (GACGs), Geographic Area Coordinating Centers (GACCs), NMAC, and the National Interagency Fire Center (NIFC) External Affairs Staff, to develop Wildland Fire Response Plans (WFRP) for each of the 10 GAs in the US. The teams did not independently prepare the plans but worked in concert with the GAs and all member agencies and organizations to ensure coordinated plan development. Considerable input came from sources within the GA, and this plan would not have been possible without that coordinated effort and comprehensive involvement.

These plans specifically reference and provide direction on maintaining continuity of wildland fire response; sustaining, to the extent possible, the highest degree of resource availability; and ensuring safety and protection of all wildland fire response personnel at all levels in all areas across the country.

Information in this plan is designed to provide considerations that help guide all wildland fire agencies and organizations in maintaining continuity in all aspects of wildland fire response at all levels (national, geographic, and local). Specific areas include initial attack, extended attack, and large fire response, as well as coordination and support functions (dispatch, cache, etc.). This plan outlines potential scenarios that may be encountered at all levels directly or indirectly involved in wildfire response, providing general strategies useful at national levels, general strategies and implementation considerations pertinent to geographic area/regional/state levels, and recommended best practices highly relevant at local levels and various functional areas of wildfire response activities during this pandemic.

This WFRP for the COVID-19 Pandemic for the **Southwest Geographic Area** is a living document and will be managed (continually reviewed and updated as appropriate) by the **Southwest Geographic Area Coordinating Group**.

This WFRP incorporates intent provided by Southwest Coordinating Group member agencies up to the point of delivery as a final product. This WFRP is not intended to conflict or supersede existing or future agency-specific direction. **National Agency direction is referenced in the References, Resources and Websites Section of the WFRP**.

Content from the following SWGA agency-specific documents has been incorporated:

- Arizona Department of Forestry and Fire Management. (2020, March 26). 2020 Fire Season COVID-19 Mitigation Plan.
- Central West Zone Interagency Fire Management Area, Arizona. (2020, April 3). Best Management Practices for Wildland Fire Response with the COVID-19 Pandemic.

- Pima Agency and Salt River Agency. (2020). *PMA/SRA COVID-19 Standard Operating Procedure*. U.S. Department of the Interior, Bureau of Indian Affairs.
- Southwest Geographic Area, Coronado National Forest and Southern Arizona National Park Service. (2020). Best Management Practices for Wildland Fire Response with the COVID-19 Pandemic.
- U.S. Forest Service, Southwestern Region 3. (2020, March 27). Wildland Fire Response in Light of COVID-19. United States Department of Agriculture, U.S. Forest Service, Southwestern Region 3.

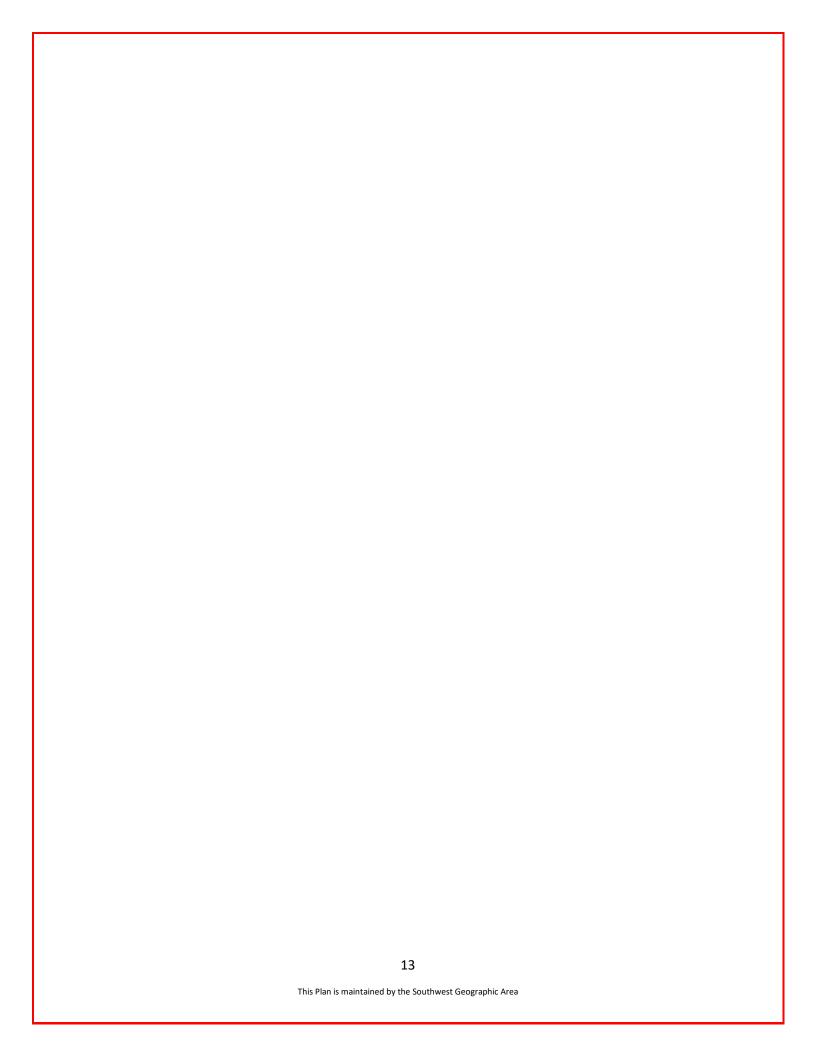
An important component of planning for COVID-19 wildland fire response that is not included is a "scale-down" feature. As the pandemic diminishes there will be threshold conditions that allow for discarding practices designed to limit exposure and spread of COVID-19. Our current understanding of the pandemic in the United States indicates that we are months away from those threshold conditions. Additional work is needed by experts in epidemiology to help us address the "scale-down" issue.

Although COVID-19 occurrence may currently be negligible (or completely absent) in some counties where wildland fire response occurs, it should not be assumed that risk of exposure is negligible and that BMPs can be discarded. Our interagency wildland fire response is based on a total mobility concept. Firefighters and support personnel (including caterers, sanitation services, and others) may come from anywhere in the United States. Consequently, our firefighters and support personnel may bring the virus to those areas with low COVID-19 occurrence. The BMPs in this plan are intended to limit spread within wildland fire response personnel as well as to and from those communities near where the wildfire occurs. It is essential that fire managers continue to use BMPs until experts advise that they can be discarded.

3 OBJECTIVES

This WFRP for the COVID-19 Pandemic for the **Southwest Geographic Area** was prepared with the following objectives:

- Identify issues that relate to the COVID-19 pandemic and wildland fire response. Liaise and identify these issues through coordination with federal, State, county, and Tribal health officials.
- Develop WFRPs that address wildfire response strategies, considerations for implementation
 actions, and responsibilities of all involved participants. This information is presented in a
 format useful for national level management groups, geographic area/regional/state level
 management groups, and local level operational units and functional staffs involved in response
 implementation. Specific response capabilities addressed in this plan include the following:
 - o Maintaining continuity in response capability for
 - initial attack,
 - extended attack/complex fire management,
 - dispatch, support, and coordination.
 - Identification and documentation of procedures to mitigate impacts due to potential exposure to COVID-19 during an incident.
 - Identify, define, and document protocols on how to manage potential COVID-19 exposure incidents for initial and extended attack incidents.
 - Identify, define, and document protocols for Incident Management Teams (IMTs) and all
 Units to mitigate COVID-19 exposure concerns.
 - o Identify, define, and document protocols for wildland fire response to areas with known exposure to COVID-19.
- Develop WFRPs without contradicting any currently developed protocols by any Agency.
- Ensure that the WFRPs are developed to promote interagency coordinated response to wildland fire management regarding COVID-19.



4 PROJECT OVERVIEW

4 Purpose and Function

Three Area Command Teams and one Type 2 IMT were mobilized with responsibilities to develop COVID-19 WFRPs for specific GAs. The respective assignments per team were:

- ACT 1 Stutler: Rocky Mountain, Northwest, Alaska
- ACT 2 Sexton: Southern Area, Great Basin, Northern Rockies
- ACT 3 Jalbert: Southwest, Southern/Northern California
- Eastern Area Type 2 IMT Goldman: IMT worked under ACT 2 to develop a COVID-19 WFRP for the Eastern Area.

The four teams developed WFRPs with the goal of coordinating with as many agencies, organizations, and individuals in each GA as practical. They worked directly with each GA's Coordinating Group Chair, various dispatch/coordination centers, and various local units. They also worked under direction and supervision of the NMAC, through a Team Coordinator (Joe Reinarz) and maintained frequent contact and communication through multiple daily briefings to the NMAC.

All plans were developed using a standardized template and process for national standardization; but development included attention and inclusion of all specific concerns for the GA covered by the plan.

The teams' coordination within each GA during development of the WFRPs enabled clear communication to all involved participants, vastly improved awareness and understanding of the purpose and intent of the WFRPs, eliminated some, but not all, any possible duplication of effort, ensured a coordinated effort, and ensured support and endorsement at all levels.

All four teams worked in this role as a support function, had no control responsibilities, and to the fullest extent possible, did not transfer additional work to any participating GA organizations.

4 Potential Effects on Wildfire Response

The rapid spread rate of COVID-19 indicates how highly contagious it is. Exposure of uninfected individuals to infected individuals triggers a near exponential spread and proliferation of the disease.

Wildland fire incident management activities create an ideal environment for the transmission of infectious diseases – high-density living and working conditions, lack of access to and use of soap and sanitizers, and a transient workforce. These and other environmental and occupational factors (e.g., smoke, heat, plants, insects, fungus, fatigue, and physically demanding work) can increase the likelihood of disease transmission. Often, fire camp situations cause rapid increases in the number of symptomatic fire personnel and suspected cases, resulting in an infectious disease outbreak on an incident. An outbreak is the occurrence of more cases than would normally be expected in a specific place or among a group of people over a given time period.

Working conditions frequently involve smoky conditions and any effects that wildfire smoke may have on COVID-19 spread are not well known at this time. This could also potentially increase the occurrence of COVID-19 cases or seriousness and raises additional concerns.

The wildland fire response system is unique regarding its structure, capability, and function compared to the first responder system throughout the country. Wildland fire response is initiated at the local level with a finite number of firefighting resources. Should these resources be unable to take care of all needs, additional resources are ordered from neighboring units; and ultimately, additional resources can be mobilized from anywhere in the country. What makes this system unique is that no one base or location has enough backup resources to cover responsibilities during high fire activity periods. In the event of substantial personnel absences, even for a scenario of a small to moderate percentage of individuals becoming unavailable due to exposure to COVID-19, additional resources from other units and areas will be necessary. In the event of a high disease spread scenario with a high rate of infection, the associated loss of individuals from service will, in even a moderately active fire season, severely tax the ability to maintain an adequate wildfire response.

These WFRPs were prepared to define strategies to assess risks, develop recommendations for implementation actions, and identify immediate, mid-term, and long-term needs to ensure that continuity of wildfire response capability can be maintained across the country. Exposure prevention, exposure mitigation, equipment and facility maintenance and care, and strategies for ensuring resource availability are addressed in these plans.

Impacts specific to Southwest Geographic Area.

- The Forest Service Southwestern Region has been a leader in the response and management of wildland fire due to the balance between managing risks to responders and using fire as a management tool. However, the Region is looking at the response to wildland fire through a different lens in the current environment of COVID-19. Previous factors utilized to evaluate new starts for the opportunity to manage over a larger landscape did not include COVID-19 as a consideration for managing risk but will this year. This season the direction of wildland fire response actions will focus on suppression strategies, with the goal of reducing the total number of responders needed to achieve objectives by using the full breadth of fire management tools.
- In regard to availability of resources and capacity, the Southwest GA agencies identified being proactive with pre-screening supporting resources from other areas and locations as an important consideration. In addition, federal resources are available on a limited day-to-day basis, based on commitments to their jurisdictions and progression of the pandemic; and cooperator resources may become suddenly unavailable or may have to return to quarters during an assignment, depending on local impacts.
- In Arizona, the 12 Department of corrections hand crews, the bulk of their firefighting personnel, will be unavailable due to the pandemic. Their requirements from DOC to quarantine inmates leaving a DOC facility for 21 days before re-entry causes serious logistical, staffing, and financial challenges to guard, feed, house, and care for many personnel.
- Incident Management Team availability/status may fluctuate due to the COVID-19 situation.

- Local Fire Department resources are temporarily stepping back from commitments to IMT involvement, single resource availability, and other assignments outside their local department/district/community response areas.
- For the state of Arizona, wildland fire response is initiated at the local level with a finite number of firefighting resources. Should these resources be unable to take care of all needs, additional resources are ordered from neighboring units and ultimately, additional resources can be mobilized from anywhere in the country. What makes this system unique is that no one base or location has enough backup resources to cover personnel absences, even in the event of a small to moderate percentage of individuals becoming unavailable due to exposure to COVID-19.
- Local and County Emergency Managers have begun holding typical camp and logistical staging areas as unavailable due to potential utilization for pandemic control/treatment efforts. These facilities are typical camp and command post locations for fires; such limitations will impact the ability to adequately support large fires.
- Conditions could warrant earlier implementation of fire restrictions and the potential of moving directly into Stage II, reducing the amount of public traffic into State and Federal lands and decreasing the fire risk. There could also be potential for State Land and/or State Park closures in areas that are deemed higher risk.

5 COVID-19 WILDLAND FIRE STRATEGIC SCENARIOS

Wildland fire response information and considerations are not presented in a discrete item-by-item format. Since some information is more applicable from a management standpoint and useful by decision makers, strategic considerations for national and GA/regional/state considerations are presented in the main body of the plan. Other information more useful and applicable to local level implementers and functional groups who may be on the first line of exposure to the disease is presented in Appendices A and B as BMPs and is suitable for direct adoption and implementation.

During the upcoming fire season, there are potential scenarios that may be encountered by all levels directly or indirectly involved in wildland fire response. These are shown in Figure 1. Information shown for these scenarios is applicable at all response levels and all organizational levels. This information illustrates strategic response considerations and actions employable at national, GA/regional/state, and local levels.

Figure 1 shows five possible scenarios involving wildfire response in the COVID-19 pandemic. The first involves the pre-exposure scenario where operations are functioning. Exposure in this chart and in this plan is used in the context of being subjected to contact with the corona virus responsible for COVID-19. Key strategic elements include prevention and containment. Prevention refers to the limiting of exposure to individuals, while containment means to prevent the spread of this infectious disease beyond an individual or a small group that may have been infected to a broader group. The second scenario involves exposure with strategic elements of prevention, containment, and quarantine. Quarantine separates and restricts the movement of people who were exposed to COVID-19 to see if they become sick.

The third scenario involves one where fire response individuals have become infected. Strategic elements include prevention, containment, treatment, management, and isolation. Isolation involves separating positive infected people from those who are not infected. The fourth scenario includes recovery with strategic elements of prevention, containment, treatment, and management. The final scenario involves preparation for return to service following recovery from the disease.

COVID-19 Progression and Impacts to Maintaining Wildland Fire Response Capability

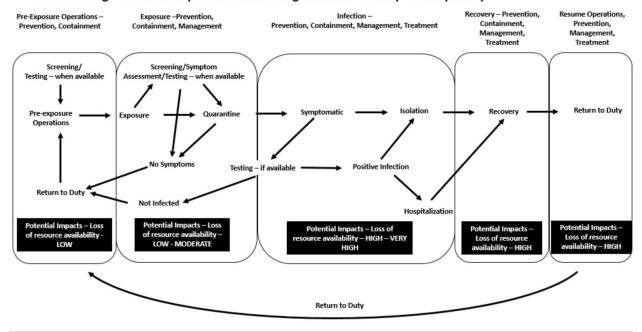


Figure 1: COVID-19 Wildfire response operations, scenarios that may be encountered, and strategic planning elements for each.

Following Figure 1 is a table that provides more detailed information regarding strategic issues, immediate needs, prevention/containment actions, and management/treatment actions. This table is by no means the complete authority on strategic responses to this disease but contains considerations useful at management levels. More specific information on these topics that is relevant to local level implementers and functional groups is provided in the Best Management Practice Section in Appendix B.

Table 1. Recommended management level issue points for COVID-19 wildfire response including basic strategies, immediate needs, avoidance/containment action considerations, and management/treatment action considerations.

Strategies	Immediate Needs	Avoidance/Containment	Management/Treatment
Develop long-term	Define new	Close operating base to	Determine protocols
planning to mitigate	protocols/standards for	the public and all non-	for sending exposed
and respond to COVID-	personal hygiene and	essential personnel.	individual home or to
19 spread to prevent	clothes laundry.	Provide recommended	medical facilities.
the loss of wildland fire	 Define processes for 	social distancing	 Determine quarantine
response capability,	equipment disinfection.	recommendations.	protocols in
exposure of wildland	 Acquire necessary 	 Practice personal 	conjunction with local,
fire resources to the	equipment and/or	hygiene.	county, and state
disease, and potential	support to disinfect	Screen all personnel	officials.
contamination of initia	equipment.	when entering base	 Determine quarantine
attack resources by	 Obtain additional 	area, before starting	oversight
exposed individuals.	handwashing stations as	work – check	responsibility.
Ensure that all	needed.	temperature, check for	 Determine protocols to
personnel are cared for		overall feeling, check	determine when
in the safest possible	not covered by existing	for coughing, and other	individuals are
manner and subjected	COOPs,	symptoms.	available to return to
to prevention,	 Designation of 1st, 	Configure and set up	active duty.
containment,	2 nd and 3 rd alternate	testing capability for	
management, and	bases.	firefighters at local unit	
treatment as needed.	 Designation of 1st, 	or local health	
Incorporate social	2 nd , and 3 rd	facilities, when it	
distancing standards	alternate staffing	becomes available.	
into day-to-day	units.	Prioritize firefighters	
operations.	Obtain splash protective	for testing and vaccine	
Maintain functioning	suits and other	(if one is developed).	
wildland fire response	 protective equipment. Determine availability 	Enhance personal	
operations from bases	z etee avanazmej	hygiene. • Isolate firefighters as	
with regular crews.	and acquisition of	 Isolate firefighters as much as possible. 	
	disease testing kits.Determine proper	Disinfect equipment,	
	responsibility for testing	on a regular basis.	
	exposed personnel.	PPE laundry – regular	
	Determine process and	basis.	
	appropriate products to	Develop a plan for	
	use for decontamination	prioritizing fires for	
	of equipment with	response, especially if	
	special reference to	COVID-19 spread is	
	hand tools, vehicles,	high and fire season	
	aircraft, computers,	activity is high.	
	radios, pumps and chain	Plan for shifts in	
	saws, etc.	wildfire response	
	Determine protocols for	strategy, ranging from	
	isolation and removal	more aggressive IA to	
	from active duty and	limit numbers to	
	locations.	reducing overall	
		firefighter exposure by	
		prioritizing responses.	

6 STRATEGIC CONSIDERATIONS

Specific recommended management considerations for Multi-Agency Coordinating Groups (MAC) at the national, geographic area, and sub-geographic area are provided in this section. This information is also applicable to agency units and local levels although some of it will not have the same utility for all participating agencies and organizations. Some of the practices and protocols listed here for consideration may only be acceptable for use by federal agencies and not by State and local governments. In other cases, more specific practices and protocols may be developed and implemented at local levels. Strategic considerations of importance include, but are not limited to the following points:

6 MAC Strategic Considerations

Fire Personnel Readiness

Consider:

- ✓ Managing qualifications and training by delaying, virtualizing, expanding focus to COVID-19, and adding flexibility/waivers.
- ✓ Expanding Prevention activities through public information campaigns and closures, considering virtual opportunities.
- ✓ Pre-identifying potential control locations for aggressive response.
- ✓ Expanding use of emerging technology: leverage remote operations, briefings, sensing, and surveillance.
- ✓ Implementing rapid contracting and focus on specific needs: explore opportunities for greater use of MREs, medical equipment, personal protective equipment (PPE), and remote sensing.
- ✓ Increasing and maintaining response capacity:
 - Seek additional aviation resources and local surge capacity.
 - Maximize use of permanent resources.
 - Employee support for emotional well-being.
- ✓ Tracking situational awareness by building and using tracking systems for situational awareness on firefighter exposure and infections.
- ✓ Practicing self-quarantine: priority functions (dispatch, pilots, IMT C&G) limit exposure.
- ✓ Practicing social distancing.
- ✓ Practicing personal hygiene.
- ✓ Maintaining continual PPE laundry regular basis.
- ✓ Monitoring personnel for symptoms.
- ✓ Testing personnel when test become available.
- ✓ Adhering strictly to BMPs listed in Appendix B and practicing their use before fire activity increases.

Modifying Strategies, Tactics, and Logistics

Consider:

- ✓ Strategy and Tactics
 - Adapting existing WFRPs to include additional response options that address the new fire environment in relationship to COVID-19.
 - Pursuing opportunities for monitoring of low-risk fires.
 - Expanding the range of strategies and preparing for more discriminate use of resources, especially for fires that occur in high risk areas.
 - Exploring opportunities for managed fire, more indirect attack, greater use of heavy equipment, and designation of management action points using natural barriers.

- Planning for the potential for increased smoke loads to communities; plan and implement early warning/communication for likely events.
- o Utilizing suppression strategies that will minimize assigned personnel and incident duration.
- Implement swift initial response to minimize possibility of large fire occurrence, but do not employ higher risk tactics to keep fires small.
- Within agency protocols and to the degree possible, augment fire response resources with nonfire staff to help sustain fire response capability.
- Consider opportunities for application of aviation and mechanized assets to reduce assigned personnel.
- More focused prioritization to maximize resource availability:
- Prioritize initial attack and focused use of assets.
- o Initial attack in local area only.
- ✓ Extended attack/complex fire management.
 - Expand large fire prioritization processes:
 - Define and utilize a large fire triage process.
 - Emphasize containment, deemphasize mop up, and minimize assignment time.
 - Expanding use of Decision Support Centers in all GACCs.
 - Utilize Predictive Services and professional judgement to balance assigned resources and incident duration.
 - Expanding the use of experienced smoke personnel and/or Air Resource Advisors (ARA) to assess
 where wildfire smoke may go and impacts of smoke on firefighters and communities with COVID-19.
 - Evaluating wildfire smoke level projections and trajectories during development of tactical operations.
 - Preparing and implementing virtual incident management by IMTs. GAs consider conducting simulated virtual IMT incident management prior to most active fire season periods.
 - Identify and obtain necessary technology.
 - Designate IMT sections/personnel that can complete work virtually and minimum requirements for managing incidents safely.
- ✓ Limiting large fire response to when life is imminently threatened.
 - o Camps:
 - Altered catering/shower/washing station.
 - Expanded medical support.
 - Modular isolation.
 - Two-way isolation: closed camps with security and no leaving camp to travel into communities.
- ✓ Assign vehicles to firefighters and avoid cross-over of employees and belongings.
- ✓ Have personnel carry multiple sets of PPE.
- ✓ Following recommended guidelines for disinfecting fire equipment on a regular basis.

Drawdown Projections and Contingency Opportunities

Consider:

- ✓ Determining opportunities to obtain international assistance, and if so:
 - Identify sources of additional resources.
 - o Identify potential amounts of resources needed at escalating preparedness levels.
 - Consider early use and consul of Australian fire managers involved in 2019-2020 Australian fire season response, with limited and declining resource numbers.
 - Pre-plan any international agreements, waivers, funding, and other administrative requirements and have them complete by start of active fire seasons.

- ✓ Recommend that local units prepare contingency plans for resource drawdown during fire seasons.
 - Consider existing staffing and action guides, existing dispatching run cards and guidelines and how they will be affected by a 10, 30, or 50% reduction in strength of force of wildland firefighting and management resources.
 - Identify options available during drawdown periods.
 - Consider base closing and/or consolidation.
- ✓ NMAC, GMAC, and/or local units need to consider possible adjustments in resource drawdown as fire season progresses.

Leveraging Best Available Information Management and Technology

Consider:

- ✓ Communication:
 - Expanded use of technology and local networks for remote/virtual community meetings and updates.
 - Expand and focus communications by developing COVID-19 communications tool kit and strategies for two-way virtual communications with communities.
- ✓ Technology:
 - o Prepare for more remote operations, briefings, sensing, and surveillance.
 - o Identify technology needs, costs, and proactively implement actions.
 - o Pursue increased use of UAS platforms (seek waivers). Expedite contracting of UAS equipment.
 - Use broadband channels to reach affected communities.

6 Public Information

Consider national and geographic direction on Information releases regarding COVID-19 specific issues at wildland fire incidents managed by IMTs (type 1-3). All releases must be consistent and follow the IMT's Delegation of Authority. Local unit(s) who delegated the incident to the team approve all releases of information. Local unit Public Affairs offices will maintain close contact with Regional, National and Department Office directives and be able to guide Public Information Officers (PIOs) on what can/cannot be released.

Many remote communities are not well-served by virtual information dissemination and social media in general. Agencies have traditionally relied on community meetings and staffed information boards to allow personal dialogue in impacted communities. This plan foresees that in almost every case, these tools are no longer available to PIOs in areas impacted by COVID-19. These communities should be identified and be briefed in advance of fire season to manage expectations and explore alternatives.

The PIO BMP in Appendix B provides new and existing information dissemination methods to maximize social distancing. Host units should evaluate and update contact lists and e-traplines in advance, providing them to PIOs within in-briefing packages.

6 Transportation

The focus of this section is to identify the various modes of transportation available to transport resources to an on-going incident from within the region or nationally, while considering the potential impacts of COVID-19 exposure and infection associated with each mode. While in travel status, refer to the Travel BMPs. See Appendix E.

6 Cooperator Response

- ✓ Determine opportunities for use of military resources.
 - o Identify how military resources can be used to augment existing firefighting resources.
 - o Identify accelerated training capabilities to advance readiness earlier in fire season.
- ✓ Consider all opportunities for staffing MAC functions remotely.
- ✓ Consider ways to reduce span of control in multiple large fire situations.
- ✓ Consider MAC level management of work-rest for national resources in short supply.
- ✓ Work with cooperators, partners, contractors, and stakeholders to review existing agreements and associated operating plans, identifying areas where preseason agreements and decisions are affected, given the current COVID-19 conditions. Ensure any identified limitations are well known and communicated to all levels of fire personnel, including field level responders.

7 RESPONSE PLAN DISTRIBUTION

This WFRP will be handed off to the Southwest Geographic Coordinating Group, to be further distributed to the following:

- Coordination Center(s)
- Dispatch Offices
- Agency Administrators
- Fire Staff
- Incident Management Teams
- All levels of firefighting resources

8 GLOSSARY OF TERMS

Active monitoring: refers to when the state or local public health authority assumes responsibility for establishing regular communication with potentially exposed people to assess for the presence of fever, cough, or difficulty breathing. For people with high-risk exposures, CDC recommends this communication occurs at least once each day. The mode of communication can be determined by the state or local public health authority and may include telephone calls or any electronic or internet-based means of communication.

Asymptomatic: not showing any signs of having the disease.

Close contact: being within approximately 6 feet (2 meters) of a COVID-19 case for a prolonged period; close contact can occur while caring for, living with, visiting, or sharing a healthcare waiting area or room with a COVID-19 case; or having direct contact with infectious secretions of a COVID-19 case (e.g. being coughed upon).

Conditional release: a set of legally enforceable conditions under which a person may be released from more stringent public health movement restrictions, such as quarantine in a secure facility. These conditions may include public health supervision through in-person visits by a health official or designee, telephone, or any electronic or internet-based means of communication as determined by the CDC Director or state or local health authority. A conditional release order may also place limits on travel or require restriction of a person's movement outside their home.

Cluster: an aggregation of disease cases grouped in place and time that are suspected to be greater than the number expected, even though the expected number may not be known.

Community spread: community spread means spread of an illness for which the source of infection is unknown.

Congregate settings: crowded public places where close contact with others may occur, such as shopping centers, movie theaters, stadiums.

Containment: a public health strategy in which officials aim to prevent the spread of an infectious disease beyond a small group of people to the broader community. Containment actions include restricting travel from affected regions, identifying infected people and tracking down everyone they live with or have spent time with (**contact tracing**), and asking those who have been exposed to the virus to stay at home for a period of time.

Controlled travel: exclusion from long-distance commercial conveyances (e.g., aircraft, ship, train, bus). For people subject to active monitoring, any long-distance travel should be coordinated with public health authorities to ensure uninterrupted monitoring. Air travel is not allowed by commercial flight but may occur via approved noncommercial air transport. CDC may use public health orders or federal public health travel restrictions to enforce controlled travel. CDC also has the authority to issue travel permits to define the conditions of interstate travel within the United States for people under certain public health orders or if other conditions are met.

COVID-19: the name of the disease caused by the novel coronavirus, SARS-CoV-2, and is short for "Coronavirus."

Coronavirus: a family of viruses that cause illness ranging from the common cold to more severe diseases, such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV). The novel coronavirus recently discovered has been named SARS-CoV-2 and it causes COVID-19. (Source: WHO)

Drive through testing: individuals remain in their vehicles, and medical staff in protective gear come to administer the swab test and the swabs are sent to a laboratory for testing.

e-ISuite: a software program used to manage incident resources. The e-ISuite system is a web browser (e.g. Internet Explorer) enabled application for use at the Incident Command Post (ICP) and in agency offices to manage emergency incidents and planned events. No software licenses are required to use e-ISuite. A web browser is all each user will need to run the application. The e-iSuite Enterprise System is hosted on the USFS Fire and Aviation Management National Enterprise Support System (NESS) General Support System (GSS) at the National Information Technology Center (NITC), Kansas City, MO and will support all incidents at an enterprise level.

Endemic: the constant presence and/or usual prevalence of a disease or infectious agent in a population within a geographic area.

Epidemic: an increase, often sudden, in the number of cases of a disease above what is normally expected in that population in that area. (Source: CDC)

Essential activities and/or businesses:

- Tasks essential to main health and safety, such as obtaining medicine or seeing a doctor.
- Getting necessary services or supplies for themselves or their family or household members, such as getting food and supplies, pet food, and getting supplies necessary for staying at home.
- Engaging in outdoor activity, such as walking, hiking or running if you maintain at least six feet of social distancing.
- Performing work providing essential services at an Essential Business or Essential Government function.
- Caring for a family member in another household.
- Caring for elderly, minors, dependents, person with disabilities, or other vulnerable persons
- Healthcare operations, including home health workers.
- Essential Infrastructure, including construction of housing and operation of public transportation and utilities.
- Grocery stores, farmers' markets, food banks, convenience stores.
- Businesses that provide necessities of life for economically disadvantaged individuals and shelter facilities.
- Pharmacies, health care supply stores, and health care facilities.
- Gas stations and auto repair facilities.
- Banks.
- Garbage.
- Hardware stores, plumbers, electricians, and other service providers necessary to maintain the safety, sanitation, and essential operation of residences and other essential businesses.

- Educational institutions, for the purposes of facilitating distance learning.
- Laundromats, dry cleaners, and laundry service providers.
- Businesses that ship or deliver groceries, food, and goods directly to residences.
- Childcare facilities providing services that enable essential employees to go to work.
- Roles required for any essential business to "maintain basic operations," including security, payroll, and similar activities.
- Other activities may be identified refer to local news sources.

Exposure: contact with someone infected with the coronavirus responsible for COVID-19.

Flattening the curve: slowing a virus' spread to reduce the peak number of cases and related demands on hospitals and infrastructure. (Source: CDC)

Home isolation: persons with COVID-19 who have symptoms or laboratory-confirmed COVID-19 who have been directed to stay at home until they are recovered. (Source: https://www.cdc.gov/coronavirus/2019-ncov/hcp/disposition-in-home-patients.html)

Incubation period: the length of time between when an infection begins and when there are apparent signs of the disease. Most indications give the coronavirus an incubation period of 2-14 days, with symptoms most commonly showing at about five days after infection. (Source: WHO)

Isolation: separating sick people with a contagious disease from those who are not sick. (Source: CDC)

IWI: common acronym describing an "Incident within incident", e.g. a vehicle accident on wildfire, an expected COVID-19 case on the fireline, etc. Protocols for IWI should be predetermined and understood by all incident managers.

Mitigation: slowing the spread - taking measures to cause the rate of increase of the number of cases to be slowed to low levels.

"Module as One": a concept that includes minimizing exposure by not mixing personnel, e.g., same personnel assigned together for entire season, on same schedule, to same vehicle, on same assignments, in same camp, etc.

N95 respirator (face mask): personal protective equipment that is used to protect the wearer from airborne particles and from liquid contaminating the face (Source: https://www.thoracic.org/patients/patient-resources/resources/disposable-respirators.pdf)

Outbreak: carries the same definition of epidemic but is often used for a more limited geographic area.

Pandemic: an epidemic that has spread over several countries/continents, usually affecting many people. (Source: CDC)

Public health orders: legally enforceable directives issued under the authority of a relevant federal, state, or local entity that, when applied to a person or group, may place restrictions on the activities undertaken by that person or group, potentially including movement restrictions or a requirement for monitoring by a public health authority, for the purposes of protecting the public's health. Federal,

state, or local public health orders may be issued to enforce isolation, quarantine or conditional release. COVID-19 meets the definition for "severe acute respiratory syndromes" as set forth in Executive Order 13295, as amended by Executive Order 13375 and 13674, and, therefore, is a federally quarantinable communicable disease.

Quarantine: in contrast to isolation, quarantine separates and restricts the movement of people who were exposed to a contagious disease to see if they become sick. In these cases, the people exposed (or potentially exposed) are separated and have restricted movement imposed. (Source: CDC)

SARS-CoV-2: name of the novel coronavirus that causes COVID-19 disease. (Source: WHO)

Self-monitoring: people monitoring themselves for fever by taking their temperatures twice a day and remain alert for cough or difficulty breathing. If they feel feverish or develop measured fever, cough, or difficulty breathing during the self-monitoring period, they should self-isolate, limit contact with others, and seek advice by telephone from a healthcare provider or their local health department to determine whether medical evaluation is needed.

Self-observation: refers to people remaining alert for subjective fever, cough, or difficulty breathing. If they feel feverish or develop cough or difficulty breathing during the self-observation period, they should take their temperature, self-isolate, limit contact with others, and seek advice by telephone from a healthcare provider or their local health department to determine if a medical evaluation is needed.

Self-quarantine: staying home and away from other people as much as possible after exposure.

Shelter in place: in terms of COVID -19, all residents must remain at their place of residence, except to conduct essential activities, essential businesses, and essential government functions.

Social distancing: measures taken to reduce person-to-person contact in a given community, with a goal to stop or slow the spread of a contagious disease. Measures can include working from home, closing offices and schools, canceling events, and avoiding public transportation. (Source: CIDRAP)

Suppression: in terms of COVID -19, where the rate of increase of the number of cases has been slowed to low levels and is maintained for a period, potentially up to 18 months.

Symptom: a sign or indication that someone has a disease.

Symptomatic: showing signs of the disease like fever, cough, and shortness of breath.

Vaccine: a biological preparation that provides active acquired immunity to a disease.

9 REFERENCES, RESOURCES, WEBSITES

During the emergence of the COVID-19 pandemic, the sharing of related information was prolific; and since that time, information of all types has continued to emerge and will continue to emerge far after completion of the first version of this WFRP. An abundance of reference material with useful information was available during the development of the WFRPs, and new information and reference materials are continually being produced and shared.

Numerous references, resources, and official websites have been the principal sources of information used in the development of this and other GA plans. Due to the substantial amount of material that was reviewed, the information has been electronically stored in an online repository within the FireNet system rather than citing all materials in this WFRP and lengthening this document needlessly.

The online WFRP COVID-19 repository within FireNet consists of a master list of all references, resources, and websites – all cataloged and organized by subject matter in an Excel workbook. The workbook has several color-coded tabs, and each of those tabs are specific to a topic of information: Aviation; Cache; Dispatch; Fire Response; Information; Liaisons; Logistics; Medical Response; Plans; Quarantine; Transportation; Virtual Ops; and Other.

The first two yellow tabs in the workbook, "By Document Name" and "Web_References," are the indexed list of all documents or website references contained in the repository, organized alphabetically.

It is recommended that users of the cataloged repository review the information in the **READ_ME** tab of the workbook. This will assist users in efficiently locating the information of most interest.

This repository, located within FireNet, is public-facing and will be retained for as long as wildland fire response is impacted by the COVID-19 pandemic.

To visit the WFRP "COVID-19 References_Resources_Websites" repository within FireNet please click the link below; depending on your browser, you may have to copy/paste the entire URL into your browser address bar:

COVID-19 References Resources Websites

Or, copy and paste the following URL into your browser address bar: https://firenet365.sharepoint.com/:x:/s/2020_COVID-
19 GeographicArea WRP168/EfygkzSDAHJOmTGw7eh2wxkB- VTb-4H0PD7TkjVX20fLA?e=481kAa

10 ACKNOWLEDGEMENTS

The Southwest Area and the National Multi-Agency Coordination Group would like to express their appreciation to ACT #3 for their rapid mobilization and adaptation of processes to develop this WFRP. To achieve the objectives as described in the NMAC Correspondence 2020-06 Delegation of Authority, Area Commander Scotty Jalbert and his staff were challenged with a significant task to coordinate among all cooperators, develop a strategic plan for a topic that has not been encountered before and no experience exists, and to complete this in a relatively short time completely under a virtual working environment.

In development of this WFRP, ACT #3 worked in close cooperation with the Southwest GA and collaborated with other ACTs in a lateral fashion. This ensured that information in the WFRP was current, consistent, applicable at all levels, and includes the best information and protocols available at the time of publishing.

The following members of Area Command Team #3 assisted with the development of this Plan:

Area Commander	Scotty Jalbert	CAL FIRE / SLU
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Area Command Team #3 would like to acknowledge the time and efforts of the members of the SWCG and their colleagues to provide input, feedback, agency and area specific information, and review of the WFRP. Without this support and active engagement, this plan would not be a complete product and would not provide the necessary information and value throughout the GA.

APPENDICES	
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Appendix A – All Fire Personnel Best Practices

General Information

- Follow the most current direction from the CDC and local health authority, which currently provides the following: Some personnel (e.g., emergency first responders) fill essential (critical) infrastructure roles within communities. Based on the needs of individual jurisdictions, and at the discretion of state or local health authorities, these personnel may be permitted to continue work following potential exposure to COVID-19 (either travel-associated or close contact to a confirmed case), provided they remain asymptomatic. Personnel who are permitted to work following an exposure should self-monitor under the supervision of their employer's occupational health program, including taking their temperature before each work shift to ensure they remain afebrile. On scheduled workdays, the employer's occupational health program could consider measuring temperature and assessing symptoms prior to their starting work.
- Ryan White HIV/AIDS Treatment Extensions Act (2009) has been expanded to include COVID-19. The Act (Part G) provides Emergency Response Employees (EREs) with notification (normally a violation of the Health Insurance Portability and Accountability Act (HIPAA) regulations) when they are at risk of exposure to potentially life-threatening infectious diseases through contact with victims during emergencies. Knowing this information allows EREs the opportunity to seek timely medical care and to make informed decisions about addressing potential health issues arising from their exposures. Health/medical personnel may be unaware of this provision and reluctant to provide information due to HIPAA regulations.
- We now know from <u>recent studies</u> that a significant portion of individuals with coronavirus lack symptoms (asymptomatic) and that even those who eventually develop symptoms (presymptomatic) can transmit the virus to others before showing symptoms. CDC recommends wearing cloth face coverings in public settings where other social distancing measures are difficult to maintain (e.g., grocery stores and pharmacies), **especially** in areas of significant community-based transmission.

Best Practices

- Practice social distancing
 - Avoid physical contact with co-workers and the public; maintain a 6' spacing.
 - Consider appropriate mitigation measures or PPE (plastic shields, masks) for personnel that have greater potential for close contact with incoming responders.
 - Assign vehicles to firefighters and avoid cross-over of employees and belongings.
 - Discourage shared use of phones, radios, or other work tools and equipment.
 - Conduct group meetings virtually (teleconference/video conference, etc.), per agency protocols and approval. See <u>Virtual Operations paper</u>, <u>Appendix E</u>.
 - Limit group size to numbers in compliance with local and/or statewide direction.
 - Limit access to incident facilities for all non-incident personnel.
 - Require personnel to keep a log of close contacts and submit to supervisors daily.
 - Wear a facemask, bandana, or other suitable cloth covering when social distancing is compromised (vehicles, briefings, etc.).

Work under the "Module as One" concept

- Minimize exposure by not mixing personnel, e.g., keep same personnel assigned together for entire season, on same schedule, to same vehicle, on same assignments, in same camp, do not mix modules, etc.
- Practice the "Module as One" concept when assigning vehicles to firefighters and during transit to and from incidents.

Face Coverings

- As of April 3, 2020, CDC has updated its recommendation on the use of cloth face coverings to help slow the spread of COVID-19. Face coverings
- Use of non-Nomex face coverings on the fireline is not advised. Fireline personnel should maintain social distancing to the extent practical.
- Voluntary use of cloth face coverings is now recommended for use in public settings where other social distancing measures are difficult to maintain, especially in areas of significant community-based transmission.
- Face coverings should be maintained in a sanitary manner and should not be distracting or offensive to others.
- Face coverings should fit snugly but comfortably against the side of the face, be secured with ties or ear loops, include multiple layers of fabric, allow for breathing without restriction, and be able to be laundered and machine dried without damage or change to shape.

Practice personal hygiene

- Wash hands frequently for at least 20 seconds, with soap, after coughing or sneezing, when hands are visibly dirty, or after touching common surfaces (doorknobs, desktops).
- Provide handwashing stations near frequently entered facilities.
- Use hand sanitizer when getting in and out of vehicles and after fueling.
- Do not touch eyes, nose, or mouth with gloved or unwashed hands.
- Cover nose and mouth when coughing or sneezing. If using a tissue, immediately dispose of the tissue and wash or sanitize hands.

PPE laundry – regular basis

- Wear clean clothing/PPE every day when not on assignment.
- Wipe down all non-laundered apparel (shoes, wristwatches, jewelry) with disinfectant.

Workplace/equipment/cleaning procedures

- Develop routine daily cleaning procedures for vehicles and other equipment.
- Designate a trained employee to supervise daily cleaning procedures.
- Ventilate vehicles during and after transport.
- Clean all "high-touch" surfaces every day.
- Follow CDC and local protocols to mitigate contact with bodily fluids, including the cleaning or disposal of PPE and equipment. EPA approved cleaning supplies
- Use disposable paper towels and approved cleaning solution or wipes for cleaning; wipes –
 not sprays are recommended to avoid aerosolizing the virus on contact.
- Thoroughly wet surfaces with cleaning solution and air dry; do not actively dry surfaces.
- Wash hands thoroughly after cleaning equipment, surfaces, etc.

Other steps to reduce personal risk

- Eat smaller, more frequent meals that include fruits and vegetables to maintain blood sugar and support immune system.
- Consume appropriate calories to support activity levels and regular body function.
- Stay hydrated drink water at regular intervals throughout the day.
- Avoid stimulants near bedtime.
- Provide a sleep environment that promotes sleep quality, comfort, cool temperatures, and low noise.

Travel/Transportation

- Minimize contact with non-fire personnel and time in public areas while travelling.
- When using public transportation such as commercial aviation, use proper PPE to minimize exposure.
- Follow guidelines for cleaning/disinfecting surfaces when staying in motels/hotels.
- Stay in your hotel room to the extent possible and wipe down high touch areas.
- Consider eating in your hotel room, utilizing take out or delivery. Maintain social distancing when eating while on the road.
- Follow guidelines for cleaning/disinfecting vehicles.
- Consider use of rental RVs that can also be used for office space.
- Have a three-day supply of water and MREs for each person if driving.
- Maintain a manifest if travelling with others.
- Expect fewer restroom facilities as you travel to an incident. Some states have closed visitor centers, while others remain open. Many food service businesses are now drive-thru only. Most vehicle service stations are open.
- When using public facilities, be reminded that there is nothing to indicate the health of those there before you.

Symptom monitoring

- General symptoms include fever (100.4), cough, and shortness of breath; symptoms may also include fatigue, sore throat, aches, and runny nose.
- Monitor firefighter temperature and watch for symptoms. Provide infrared thermometers to supervisors.
- Isolate and test employees if showing symptoms, following local protocols.
- Require all employees to self-monitor and follow the COVID-19 Screening Tool.
- Develop a contact plan with a medical evaluation for symptomatic off-duty personnel.
- Monitor employees for symptoms for a 14-day period following a suspected contact or exposure. Follow up with suspected exposure source. Test individual and, if negative, allow all personnel that had a close contact to return to duty.
- If an employee feels ill, isolate and return to residence or other designated area.
- Develop and/or designate facilities for isolating symptomatic employees.
- Use appropriate PPE and social distancing protocols before entering the environment of someone with respiratory symptoms.

Testing

- Use approved and recommended testing procedures and guidelines.
- Ensure personnel receive further medical attention as soon as symptoms appear.

Positive infection

- Isolate and evacuate to a pre-determined site or hospitalize (as conditions warrant).
- Review contact log and follow-up appropriately.
- Require appropriate PPE for all interaction with infected individuals.
- Transport infected individuals via qualified EMS personnel or fire personnel in full PPE recommended for COVID-19 protection by federal, state, and local health authorities.
- Notify immediate supervisor of the situation.
- Follow local agency and cooperator guidelines for notification procedures.
- Institute a text alert system to notify firefighters in contact with an infected person.
- Require personnel to keep a log of close contact and submit to supervisors daily.
- Sanitize equipment, including vehicles, used by infected individuals.
- When returning to service following recovery, do not assume the individual is immune from the virus; continue to follow all protocols.
- Follow local health authority or attending physician's guidelines for recovery (generally 14 days from the onset of symptoms); employees returning to service will follow all guidelines.

Contingency planning

- Determine and monitor availability of COVID-19 testing kits.
- Determine and communicate state and local guidelines for testing personnel.
- Determine and acquire a supply of approved products for use in decontamination and/or sanitation of equipment.

Definitions

Close contact: a close contact is a person who has been within about six feet of a person with confirmed novel coronavirus infection for a prolonged period of time or has had direct contact with secretions from a person with confirmed novel coronavirus infection, and not in PPE (COVID-19) for more than 10 minutes.

Confirmed novel coronavirus infection: until testing is available, confirmed is defined as the person has a temperature of over 100.4, is short of breath, has a cough, and has a general feeling of fatigue.

Facemask: a loose-fitting, disposable device that creates a physical barrier between the mouth and nose of the wearer and potential contaminants in the immediate environment. Facemasks do not seal tightly to the wearer's face, do not require fit testing, but do not provide the wearer with a reliable level of protection from inhaling smaller airborne particles (not suitable for close contact with a known or suspected COVID-19 infection).

N95 respirator: a generally used term for a half mask, air-purifying respirator with NIOSH- approved N95 particulate filters or filter material; requires a fit test. Recommended PPE for close contact with suspected COVID-19 infection.

COVID-19 PPE: general cleaning for prevention of spread, PPE consists of latex or rubber gloves, facemask, eye protection (goggles/face shield). For personnel displaying symptoms, back off, isolate, and call trained EMS personnel (fire department/ambulance service) for assistance.

Appendix B - Best Management Practices - Outline

- 1. Coordinating Group
 - a. Mobilization Operations (GACC/Dispatch)
 - b. Mobilization Operations (Mob Centers)
 - c. **CACHE Operations**
 - d. Local Government, Contractor, International, Military Support
- 2. Module Level
 - a. All Fixed-Wing Aviation (SMKJ, AA, LP, AT)
 - b. All Rotor-Wing Aviation (Helicopter)
 - c. Airbase/Helibase Operation (SMKJ Base, Air Attack Base, Reload Base)
 - d. Rolling Stock Operations (Engine, Water Tenders, Dozers, Heavy Equipment)
 - e. <u>Crew Operations (IHC, Type 1, T2IA, T2, Fire Module)</u>
- 3. Initial Attack Operations
- 4. Extended Attack/Complex Incident
 - a. Operations Function
 - b. Logistics Function
 - c. Plans Function
 - d. Finance Function
 - e. Incident Information Function
 - f. Safety Function
 - g. Liaison Function
 - h. Incident Commander
- 5. Management Practices
 - a. Agency Administrator
 - b. Fire Management Officer

GACC/Dispatch

This document is intended to be used as a tool for wildland fire response for a GACC/Dispatch Center during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices for COVID-19.
- Isolate mission-critical dispatchers from the general public, office staff, and non-essential partners. Restrict certain areas and create physical separation between modules, support functions, and other mission-essential functions.
- Avoid group briefings in a room. If possible, work toward a telework/virtual workforce to reduce exposure.
- Utilize "Teams" for communications remotely.
- If operational, utilize FireNet features.
- Select a possible location away from ordering dispatch center to minimize exposure, i.e. hotel, location on compound, or residence.
- Consider possible need for extra phone lines and/or cell phones.
- Consider hiring a professional cleaning service to disinfect work areas daily.
- Clean AND disinfect frequently touched surfaces, including tables, doorknobs, light switches, countertops, handles, desks, phones, keyboards, toilets, faucets, and sinks. If surfaces are dirty, clean them, using detergent or soap and water prior to disinfection. Eliminate snack tables and community ice chests.
- Recommend personnel bring a lunch and reduce what is prepared in a community kitchen.
- Build a backup pool of local dispatchers.
- Develop a "Secondary Dispatch" relationship. Ensure Continuity of Operation Plan is updated to incorporate COVID-19. Exercise this COOP.
- Add additional workspace to ensure 6-foot separation. Consider using office trailers.

Incident Response

- Conduct the daily <u>COVID-19 Screening Tool</u> at the start of every shift.
- Have cleaning and sanitizing supplies available for use by all personnel.
- Sanitize work areas before and after shift (keyboards, monitors, phones, desktop surfaces).
- Clean community refrigerator daily.
- Preorder, through Buying Team, for additional laptops.
- Before an employee returns to the home unit, conduct the daily <u>COVID-19 Screening Tool</u> before returning home.

• Follow CDC, local health agency, and/or agency-specific guidelines regarding use of PPE.

Exposure Response

- For Dispatch Centers, in the event of an exposure, implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Establish standards and procedures to ensure monitoring.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).
- Follow local health protocols for transport and treatment of employees affected by COVID-19. https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-faq.html

Updated: (04/20/2020)

Mobilization Centers

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Mobilization Center (MOB) during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices for COVID-19.
- Decontaminate all arriving resources based on CDC and local health agency protocols.
- Brief all incoming crews on established center practices and protocols.
- Establish an isolation facility, in anticipation of an exposure, and how to manage it.
- Develop an IWI plan specifically for COVID-19.
- Insulate mission-critical support staff from the general public. Restrict certain areas.
- Identify alternative mobilization centers that allow for social distancing.
- Where possible, work toward a virtual workforce to reduce exposure.
- Clean AND disinfect frequently touched surfaces. Eliminate snack tables and community drink coolers. Follow CDC and local health agency guidelines.
- Build a backup pool of ICS-trained retirees.
- Have medical staff manage COVID-19 testing (infrared thermometers) prior to check-in by crews and record all contacts.

- Conduct daily COVID-19 Screening Tool .
- Mobilize Interagency Resource Representative that is trained in exposure response and transportation requirements.
- Use the Security Manager staff to maintain a log of all personnel (responders, contractors, visitors, etc.). Initiate prescreening procedures.
- Separate eating spaces and reduce serving lines. Consider pre-packaged meals.
- Mobilize only required resources in smaller numbers (squads in place of 20-person crews).
- Arrange for alternative methods when providing transportation for resources.
- Maintain readily available sanitation supplies for distribution.
- Monitor local, regional, and national exposure information for sharing with staff.
- Utilize WFRP Plan Transportation guidance for mobilizing resources to and from an incident.
- As staff is demobilized, run the COVID-19 Screening Tool before returning to home unit.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).
- Confirm emergency contact information for all employees.

Cache Operations

This document is intended to be used as a tool for a cache operation during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices for COVID-19.
- Utilize CDC and local health agency guidance for daily cleaning of facilities and equipment.
- Identify COVID-19 PPE needs to have on hand for the remainder of 2020.
- Develop social distancing practices for the facility site plan.
- Develop an IWI process for exposure possibility.
- Arrange for additional facilities to be used for storage and decontamination of returned items, separate from the main cache.

- Consider ordering heavily for anticipated activity early (MREs, NFES 1660 and 1675 kits, personal barrier kits, nitrile gloves, masks, and gowns).
- Employ return cache protocols for cleaning, sanitizing, and re-issue.
- Implement supply and materials delivery protocol to reduce handling and face-to-face interaction.
- Practice social distancing per CDC and local health agency recommendations.
- Ensure drivers and materials handlers practice CDC and local health agency recommended sanitizing practices for vehicles and equipment.
- Consider additional sanitary facilities to accommodate personnel cleanliness.
- Conduct daily COVID-19 Screening Tool .
- Hold equipment suspected of contamination in a secure location for a prescribed amount of time to reduce virus survival. (https://www.cdc.gov/coronavirus/2019-ncov/infection-control/control-recommendations.html)
- Consider ALL returned cache items as being exposed to COVID-19.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Cooperator Response

(Local Government/Contractor/International Support/Military Support)

The Southwest Geographic Area (GA) is comprised of four states, federal agencies, tribes, county, municipal and rural volunteer fire departments, NGOs, military, and contract assets that cooperate in wildland fire management. The Southwest GA's reliance on cooperation between these entities is paramount to successful protection of the public from wildfires. COVID-19 adds a significant layer of complexity that directly impacts all cooperators' abilities to respond to wildfires. Impacts include, but are not limited to, travel restrictions between states, canceled gatherings for training, strategic planning meetings, fewer personnel available to respond due to illness or quarantine, lack of fuels management activities due to burn bans, shelter-in-place orders, and other factors. These factors require fire managers and programs at all levels to consider innovative ways to protect the public from wildland fires, while also protecting their firefighters from being exposed to or inadvertently spreading COVID-19.

The Southwest Geographic Area has parts of the private wildland fire service (made up of contract fire suppression companies) within it. This service provides a variety of wildland fire resources that can be utilized during all phases of fire suppression activities. In the Southwest, these resources are utilized to augment federal, State, Tribal, and local firefighting resources. Wildland firefighters and company representatives from the private wildland fire service must be informed of the BMPs in Appendix A and appropriate portions of Appendix B.

While by no means comprehensive, this document is intended to be used as a tool to support wildland fire response during the ongoing COVID-19 Pandemic. CDC and state and local health authorities developed the following guidelines based on the current standards. As the situation evolves and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to <u>Appendix A</u> –All Fire Personnel Best Practices.
- Using CDC and state health authority guidelines, develop and utilize COVID-19 avoidance procedures for staff and resources.
- Reduce exposure by conducting as much work (briefings/meetings/gatherings) as technology allows virtually or remotely.

- Conduct daily COVID-19 Screening Tool.
- Consider wildfire smoke impacts to firefighters and the public in the context of COVID-19.
- Consider allowing remote fires to burn, based on values to be protected and higher priority wildland fires.

- Consider increased use of aircraft and heavy equipment to keep fires small, minimizing the numbers of responding personnel.
- Make efforts to ensure that all cooperators and contractors understand the respective jurisdictional agency's COVID-19 wildfire response protocols.
- State and federal agencies should consider sharing and/or streamlining procedures and protocols for ordering cooperating agency aircraft, when aggressive response is warranted.
- Consider activating the Southwest Area MAC Group earlier due to resource shortages created by COVID-19 conditions.
- The Southwest Area MAC group should consider COVID-19 conditions in determining Preparedness Levels.
- States should consider earlier activation of National Guard resources, including aircraft, due to fire activity and resource shortages.
- If commuting back and forth from home bases is essential, cooperators should continue to maintain COVID-19 mitigation measures.
- Avoid conducting meetings/briefings in closed areas, including vehicles. Conduct by virtual means when possible.
- Utilize social distancing measures as much as possible during travel and at an incident.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

All Fixed-Wing Aviation

(SMKJ, AA, LP, AT)

This document is intended to be used as a tool for wildland fire response for all Fixed-Wing Aviation during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices for COVID-19.
- Briefings: utilize video conferencing, texting, messaging, radio, or loudspeaker.
- Limit who enters the aircraft/airbase to flight crews and pilots only.
- Limit multi-use of headsets, helmets, knee boards, gloves, flight suits, tools, etc.
- Minimize use of shared equipment; clean/refurbish before and after utilization.
- After maintenance/fueling, decontaminate the aircraft per CDC/FAA/GSA/OEM guidance.
- Use one-hour call backs during periods of low activity.

- Use electronic dispatch orders of resources (106 dispatch cards, Kneeboard, etc.).
- Use minimum crew staffing levels to limit exposure.
- Conduct daily COVID-19 Screening Tool .
- Consider pooling ATGSs within GACCs and assign as needed. Utilize multiple bases during high activity, even though other bases may be farther from the incident, if support staffing allows.
- Maintain situational awareness of others being transported and working with on the fireline and report any indications of personnel with symptoms.
- Work with the Dispatch Offices and the GACC to return pilots and flight crews to the same base every night, preferably home, to eliminate travel-induced exposure for flight and maintenance crews.
- Consider assigning Fixed-Wing and Airspace Coordinators prior to actual fire season.
- After each flight, the pilot or the contractor's personnel should follow <u>CDC/FAA/GSA/OEM</u> guidance to decontaminate the aircraft interior including handles, interior seating, seat harnesses, and the cockpit.

- Do not use a contaminated aircraft until properly decontaminated per <u>CDC/FAA/GSA/OEM</u> guidance.
- Contact maintenance inspector after properly decontaminating aircraft.
- Contact contracting officer/agency for further guidance.
- Notify controlling aircraft or dispatch of status change.
- Isolate aircraft away from active operations and personnel.
- Follow the most current direction from the CDC and local health authorities.
 https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

All Rotor-Wing Aviation

This document is intended to be used as a tool for wildland fire response for all Rotor-Wing Operations during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Briefings: utilize video conferencing, texting, messaging, radio, or loudspeaker.
- Limit who enters the aircraft/airbase to pilots and flight crews only.
- Work with minimum crew staffing levels to limit exposure.
- Consider putting helicopters into limited status and 2:1 management, when possible.
- Use one-hour call backs during periods of low activity.
- With approval of the Contracting Officer, reimburse vendors for transporting relief pilots and crews by vehicle and/or light aircraft versus commercial airlines.
- After maintenance/fueling, decontaminate the aircraft per <u>CDC/FAA/GSA/OEM</u> guidance.

- Use paperless dispatching (106 dispatch, text message, Cad, rip and run, kneeboard).
- Consider assigning a Rotor-Wing Coordinator early in the season at the GACC to increase efficiency.
- Conduct daily <u>COVID-19 Screening Tool</u>.
- Maintain situational awareness regarding other personnel being transported and crews working on the fireline.
- Pilot or contractor's personnel should decontaminate interior and exterior of the aircraft between missions, per CDC/FAA/GSA/OEM guidance.
- Establish multiple helibases within the incident to separate crews, limiting the potential spread of the virus.
- Limit multi-use equipment (headsets, helmets, knee boards, gloves, flight suits, and tools).

- Do not use a contaminated aircraft until properly decontaminated per <u>CDC/FAA/GSA/OEM</u> guidance.
- Contact maintenance inspector after properly decontaminating aircraft.
- Contact contracting officer/agency for further guidance.
- Notify controlling aircraft or dispatch of status change.
- Isolate aircraft away from active operations and personnel.
- Follow the most current direction from the CDC and local health authorities. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Airbase/Helibase Operations

This document is intended to be used as a tool for wildland fire response for Airbase/Helibase Operations during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices for COVID-19.
- Briefings: utilize video conferencing, texting, messaging, radio, or loudspeaker.
- Limit who enters the airbase/helibase to pilots and flight crews only.
- Work with minimum crew staffing levels to limit exposure.
- Follow FAA/CDC/GSA/OEM disinfection guidance after each flight or after maintenance work.
- If possible, contract for a block of rooms or apartments for the season for agency and contractor flight crews to use. Sanitize the rooms prior to and after each use.
- Work closely with the Dispatch Office and the GACC to return ATGSs, ATs, LEADs, and flight crews to the same base every night to eliminate travel-induced exposure.
- Use the Contract one-hour callback to reduce the number of personnel at the airbase.
- Faster ordering of additional aircraft to lessen firefighters needed on the ground through more aggressive initial attack.
- Consider options, such as double crewing all aircraft, during periods of high use and call up additional CWN services to obtain a more aggressive initial attack.

- Use multiple bases during the response, even though other bases may be farther from the incident in order to limit the amount of personnel at the airbase.
- Conduct daily COVID-19 Screening Tool .
- Use additional retardant loading personnel, and proper PPE to limit number of exposures.
- Communicate with other bases and dispatch to ensure positive coordination (airspace, radio frequencies, supervision assigned, etc.) as multiple aircraft from different bases and agencies may be present during initial attack.

- Do not use a contaminated aircraft until properly decontaminated per <u>CDC/FAA/GSA/OEM</u> guidance.
- Contact maintenance inspector after properly decontaminating aircraft.
- Contact contracting officer/agency for further guidance.
- Notify controlling aircraft or dispatch of status change.
- Isolate aircraft away from active operations and personnel.
- Follow the most current direction from the CDC and local health authorities. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Rolling Stock Operations

(Engine, Water Tender, Dozers, Heavy Equipment)

This document is intended to be used as a tool for extended attack / complex wildland fire response for Rolling Stock Operations during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated. Expect change in how business is conducted. Strategic thinking and tactical planning, in conjunction with how information is shared across the landscape, will take on new looks.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Continue to monitor and follow CDC and local health department or agency guidance and prescribed practices.
- Make sure vehicles and equipment are fully stocked with disinfecting wipes, hand sanitizers, and soap.
- To maintain the health and reduce risks of exposure, maintain crew modules and/or operators as an individual unit. Do not backfill or temporarily assign non-standard personnel to the engine, tender, or heavy equipment.
- Stress member off-duty responsibility in protecting themselves and their crew from exposure.
- Frequently (daily or after each use) sanitize all equipment and vehicles to reduce possible virus contamination.

- Refer to the local geographic area plan for incident response guidance.
- Weigh the risk of responding in multiple vehicles.
- Conduct daily COVID-19 Screening Tool .
- Be self-sufficient for duration of travel to and from incidents (food, hydration, lodging) to avoid general population exposure. Use protective measures at fueling stops, rest areas, and other necessary business areas.
- Sanitize vehicles and equipment at the end of each operational period.
- Maintain separation from other resources as much as possible during tactical operations.
 Avoid sharing tools, water, radios, etc.
- Rely on electronic communication in place of face-to-face with overhead and adjacent resources; establish positive communication, maintaining social distancing, with heavy equipment operators and overhead.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Crew Operations

(IHC, T1, T2IA, T2, WFM)

The need to maintain the health and safety of crew modules during any type of illness episode is critical to maintaining a viable incident response. The COVID-19 virus has exponentially increased this challenge. The following BMP provides some guidance to avoid exposure and contain possible infection. Some are practical, common-sense measures, and some will challenge usual crew cohesion activities. This document is intended to be used as a tool for extended attack/complex wildland fire response for Crew Modules during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated. For in-camp support crews (BIA, etc.), refer to the Facilities BMP.

Prevention

- Continue to monitor and follow CDC recommendations and local department or agency guidance and prescribed practices.
- Individuals must maintain high hygiene standards and social distancing in the work. environment, home, and off-duty activities to avoid exposure of crew members to the virus.
- Avoid group physical training (PT) activities. PT should be outdoors when possible: run, hike, bike.
- To maintain health and reduce the risks of exposure, maintain crew modules as an individual unit. Do not backfill or temporarily assign non-standard personnel to the crew.
- Control access of non-crew personnel to facilities, vehicles, and equipment.
- Frequently (daily or after each use) clean all equipment and vehicles to reduce possible virus contamination.
- Refer to Appendix A –All Fire Personnel Best Practices.

- Conduct daily COVID-19 Screening Tool .
- Be self-sufficient for duration of travel to and from incidents (food, hydration, lodging) to avoid general population exposure. Use protective measures at fueling stops, rest areas, and other necessary business areas. Avoid the use of hotels.
- At incident, maintain appropriate social distancing; minimize personnel involved in check-in.
 Consider radio or remote briefings. Utilize separation from other resources in sleeping areas (request to sleep out of ICP or Incident Base), food service, supply, staging, and other areas of typical congregation.
- Crews sleeping in large tents should remain in the same tent for the duration of incident.
- Order additional cache items (e.g. MREs, PPE) to maintain self-sufficiency.

- Maintain separation of other resources as much as possible during tactical operations.
- Maintain social distancing within crew. Avoid sharing tools, water, radios, etc. Rely on electronic communication in place of face-to-face communication.
- Be cognizant of maintaining personal hygiene throughout the operational period. Allow time for washing and decontamination.
- Expect change in how business is conducted. Time frames and methods will be different.
- Exercise patience and maintain vigilance of the health of crew members.

- Initiate on-site isolation of individual(s) and have them wear masks.
- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).
- Personnel should report symptoms or potential COVID-19 exposure to their immediate supervisor.
- Supervisor will report through chain of command to IC, Agency Rep, or local agency administrator.
- If available, incident staff will interview (may be virtual) affected individual(s) for symptoms and determine locations and other personnel that might have been exposed, using COVID-19 approved protocols.
- If exposure is confirmed, DMOB individual(s) to home unit if possible, for isolation or have them seek further medical attention.
- Follow existing local public health department orders for transportation back to unit.
- Decontaminate equipment, vehicles, crew transports, PPE, etc.
- Consider crew isolation, per agency direction or policy.

Initial Attack

(Local Initial Attack Considerations)

This document is intended to be used as a tool for initial attack wildland fire response during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices for COVID-19.
- Incident Commanders should emphasize and promote decontamination, individual care considerations, and social distancing in all actions.
- Minimize utilization of "fill-in" firefighters to modules assigned to incidents.
- Consider limiting cross-module training assignments.
- Consider plans to mitigate health impacts on modules.
 - Shorter operational shifts.
 - o Consider limiting the total length of assignment for individuals.
- Decentralize Staging Areas to limit face-to-face contact with other modules.
- Maintain enough decontamination supplies on all apparatus and at all stations.

- Conduct daily COVID-19 Screening Tool .
- Create suppression strategies to minimize assigned personnel and incident duration.
 - Use predictive services and professional judgement to balance assigned resources and incident duration.
- Use swift initial response to minimize possibility of large fire response, but do not employ higher risk tactics to keep fires small.
- Minimize briefing size and limit face-to-face contact as much as possible.
 - Consider if operational briefings can occur over radio during initial response.
 - Limit face-to-face briefings to 10 leaders or fewer, if possible.
 - Inform responding cooperators of COVID-19 mitigation measures your agency has adopted.
- Consider the application of aviation and mechanized assets to reduce assigned personnel.
- Consider logistical support needs to implement daily decontamination procedures of apparatus and equipment on multi-day incidents.
- Consider holding assigned modules on incidents overnight to minimize home exposure potential.

- Utilize line spike and small spike camps as much as possible.
- Fireline supervisors and module leaders should track interactions with individuals and other modules to share, as needed.
- Consider adjusting operational periods to minimize face-to-face module interaction, contingent upon strategic needs.
- Limit mop-up and smoke exposure. Minimize smoke exposure potential, once the fire is put into control status.
- Consider conducting AARs using available technology and other social distancing mitigations.
- Encourage media inquiries and public information requests to be addressed virtually, using available technology.

- Incident Commander(s) should initiate action to minimize potential cross-contamination to other responders.
- Consider IWI activation.
- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Operations

COVID-19 will change how incident operations are conducted, challenging communications in tactical operations and within incident management organizations. Expect less resource availability, longer response times, and delayed logistical support. This document is intended to be used as a tool for operations personnel during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to <u>Appendix A</u> All Fire Personnel Best Practices.
- Utilize virtual methods of communication (smart phone, radio, internet) as much as possible to avoid inadvertent physical contact during incident processes.
- Incorporate social distancing practices into all face-to-face interactions.

- Conduct daily COVID-19 Screening Tool .
- Be prepared to be self-sufficient for the duration of travel to and from incidents (food, hydration, lodging) and initial periods of the incident.
- Establish Command and Control communication protocols, utilizing methods consistent with COVID-19 mitigation measures.
- Use incident established procedures (electronic methods or personal distancing standards) to provide intelligence, conduct planning processes, brief, and conduct administrative business.
- Consider use of available reconnaissance technology (UAS, satellite, MMA) to reduce personnel numbers and close quarters environments, such as helicopter cabins.
- Develop and prioritize tactical missions based on Values at Risk and COVID-19 risk to responders and the public.
 - Consider appropriate numbers to accomplish the incident objectives.
- Factor in time for resources to accomplish COVID-19 mitigations (i.e. decontamination of apparatus and tools, personal hygiene) during operational and off-shift periods when developing plans.
- Maintain separation of suppression modules on the fireline and during off-shift periods.
 - Consider staggering resource shifts to avoid congestion points.
 - Maximize the use of line and spike camps.
 - Minimize shifting resources and equipment to different geographic areas of the fire to reduce possible cross exposure between resources.
- Fireline supervisors and module leaders should track interaction with individuals and other modules, to share as needed.

- Provide pre-designated resource response to potential COVID-19 patient, outside of other medical response need.
 - o Assure the resource is equipped with appropriate PPE.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Logistics Section

This document is intended to be used as a tool for logistics personnel for wildland fire response during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Plan for unconventional ICPs, camps, lodging, and situations, and plan to support them with diminished capabilities.
- Plan to establish and support scattered spike camps (divisions, segments, etc.) to meet modular isolation recommendations.
- Prepare ahead how to logistically support an incident before the assignment; consider increased staffing and equipment.
- Coordinate with local and regional caches to determine COVID-19 support capabilities for an incident.

- Conduct daily <u>COVID-19 Screening Tool</u>.
- Restrict public access to all incident facilities.
- Consider badging at ICP, base, and other satellite facilities.
- When possible, shift away from large centralized ICPs and camps.
- Limit interaction between the incident and local communities.
- Arrange for on-incident support (fueling, maintenance, sanitation, laundry, etc.).
- Implement rigorous cleaning and sanitation practices per CDC and local health agency recommendations.
- Order additional Logistics Section staff to support dispersed operations. Increased staffing will allow greater presence at Check-In, Supply, and Demob.
- Check with Facilities for security needs at isolation areas.
- Plan for scenarios where an isolation location can be established.
- Work with local and regional caches to establish ordering and return protocols.

- Follow the most current direction from the CDC, state, and local health authorities including
 jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Ground Support Unit

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Ground Support Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Educate and enforce cleaning and hygiene standards per CDC and local health agency guidelines.
- Prepare and brief staff on a Unit IWI process for COVID-19.
- Refer to <u>Appendix A</u> –All Fire Personnel Best Practices.

Incident Response

- Conduct daily <u>COVID-19 Screening Tool</u>.
- Limit personnel numbers and foot traffic in mechanic and inspection areas.
- Maintain BMP protocols with drivers when transporting personnel and materials.
- Establish a "one driver-one vehicle" assignment policy.
- Consider additional sanitary facilities to accommodate personnel cleanliness.
- Brief all vehicle and equipment contractors on required prevention practices daily.
- Maintain situational awareness and practice social distancing when transporting people or materials (airport runs, spike camp runs, etc.).
- Thoroughly clean and decontaminate all arriving ground support unit vehicles prior to use.

Exposure Response

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Establish Medical Unit standards and procedures to ensure monitoring, testing, quarantine, or isolation treatment procedures can be adhered to.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Medical Unit

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Medical Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Medical Unit should be tested for COVID-19 prior to assignment.
- Implement medical screening prior to entry.
- Consider establishing ICP/Base Camp as a "clean zone."
- Control access to ICP/Base Camp.
- Consider virtual work environment where feasible.
- Have contingency plans (PACE) in place for connectivity failures (extra landline phones, etc.).
- Medical unit personnel should review the most current guidance from the CDC. https://cdc.gov/coronavirus
- Review the Infectious Disease Guidelines for Wildland Fire Incident Management Teams. https://www.nwcg.gov/sites/default/files/committee/docs/iems-infectious-diseases-guidelines.pdf
- Conduct daily COVID-19 Screening Tool.
- Ensure proper PPE is available as recommended by CDC.
- Consider placing an Infectious Disease THSP in the Command Structure.
- Develop close working relationships with local health authorities and facilities. Inform them
 of the team arrival and numbers of individuals visiting their area of responsibility. Consider
 alternative testing and treatment locations.
- Consider additional sanitary facilities to accommodate personnel cleanliness.
- Be aware that guidance for COVID-19 response in the wildland environment is evolving, keep up to date on changes. Stay current on developing guidelines for COVID-19.
- Identify alternative methods of providing medical supplies other than physical contact.
- Incidents should be prepared to establish a minimum of four medical stations in Camp:
 - Typical illness/injuries associated with suppression work.
 - Triage for COVID-19.
 - Quarantine station.
 - o Isolation station.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Establish Medical Unit standards and procedures to ensure monitoring, testing and isolation treatment procedures can be adhered to.
- Determine reporting process for COVID related exposure (local level, home unit, 209, etc.)
- Consider known exposure, or response to exposure, or a positive test as an IWI and monitor/track it to conclusion.
- Incident ambulances should comply with local health authority requirements and carry all necessary supplies to disinfect the ambulance and PPE necessary for COVID-19 transport.

Updated: 04/20/2020

Supply Unit

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Supply Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices.
- Develop a Supply Unit IWI COVID-19 protocol.
- Follow CDC and local health agency cleaning protocols (surfaces, tools, vehicles, equipment).
- Arrange for additional unit-dedicated sanitation facilities and support.
- Consider using more space or area to issue and receive accountable and expendable items to maintain social distancing practices.

Incident Response

- Consider using virtual technology for Ordering Manager to increase social distancing.
- Maintain contingency plans (PACE) in the event of technology failure.
- Limit the number of personnel working in a yurt, tent, building, or room.
- Limit the number of personnel at distribution and receiving to essential people only.
- Conduct daily COVID-19 Screening Tool .
- Establish sanitizing requirements for cache returns, based on CDC/local health agency guides.
- If possible, consider ordering heavy on MREs, 1660 and 1675 lots, and barrier kits.

Exposure Response

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Food Unit

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Food Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –<u>All Fire Personnel Best Practices</u>
- All food item preparation and packaging for delivery to wildland firefighters need to be completed according to FDA guidelines for food preparation with the current COVID 19 situation (https://www.fda.gov/food/food-safety-during-emergencies/food-safety-and-coronavirus-disease-2019-covid-19).
- While infection is most likely caused by person to person contact, ensure safe handling of all backhaul by wearing gloves and performing hand hygiene.
- Recommend additional cleaning/sanitation protocols.
- Ensure food service contractors, caterers, and vendors are implementing COVID-19 practices and following local health department standards and guidelines.
- Increase capacity of self-sufficiency in food unit by being able to support seven days of fresh foods, bag lunches, freeze dried foods or MRE's.

- Conduct daily COVID-19 Screening Tool .
- Caterers will continue to supply meals; however, no seating will be provided, single serve areas will no longer be available, limit use of services through walk up windows.
- Services will be provided to IMT, ICP personnel and resources that are in close proximity to ICP; however, most fireline resources can be supported through small spike camp operations (to go style feeding options).
- The caterers may have supply issues.
- Recommend discontinuing the use of salad bars and other self-service food delivery in camps.
- Remove self-serve drink station and have a staffed station provide individual drinks.
- IMTs will need to specify to caterer that meals will be provided in "to-go" boxes rather than sit down meals (no mess tents).
- Consider MRE's for initial attack, extended attack, and Type 3 fires when other options are not viable.
- When utilizing restaurants, ensure that they have facilities large enough to implement increased social distancing or use a takeout option.
- Consider additional sanitary facilities to accommodate personnel cleanliness.

- Consider staggering serving times and use of alternate serving method(s) to meet social distancing guidelines.
- If supporting multiple small spike camps, packaging needs to increase as does logistical support if delivery is required. Packaging will increase trash/recycling volumes.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/20/2020

Communications Unit/IT

Communications and Information Technology (IT) are key components to operations on an incident. In some cases, incident duties can be done remotely but, in many cases, personnel are required on-site. Communication technicians and Information Technology specialists are required to distribute communications and IT equipment to incident personnel and maintain, install, and repair equipment. This document is intended to be used as a tool for wildland fire response for a Communications/IT Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Communications Unit Leaders (COML) and IT Specialist should develop plans for effective use of communications and IT equipment, determining which position/tasks can be done virtually.
- Develop standards for cleaning radio kits, repeaters, IT hardware, and storage labeling.
 Include best practices information with kits for care, use, and return. Follow manufacturers recommendations.
- Refer to Appendix A –All Fire Personnel Best Practices.
- Ensure an appropriate and adequate quantity of COVID-19 PPE for unit personnel.

- Conduct daily COVID-19 Screening Tool.
- Require incident training on COVID-19 protocols for incoming resources prior to assigning tasks.
- Consider expanding band width capabilities to meet the needs of the incident. Connectivity
 when working virtually or in remote locations is a critical need.
- Have contingency plans (PACE) in place for connectivity failures (extra landline phones, etc.).
- Clone one radio for a crew and have crew or resource clone the remainder of their radios.
- Consider modes of travel when selecting equipment (repeaters, phone equipment) locations, as it relates to potential for exposure.
- Utilize storage devices such as assigned/non-returned USB drives to share information and programming to reduce handling of hardware between incident personnel.
- Develop strategies for distribution of batteries and communication supplies. Set up pickup
 and drop stations for supplies and waste; consider exposing supplies to open air/sunlight to
 limit virus exposure and spread when possible.
- Expand Communications/IT footprint to ensure social distancing in facilities or other structures. Consider having RADOs work from remote/offsite locations.
- Utilize Cloud storage or electronically send files to reduce person-to-person contact.

- Develop tracking log of devices cleaned during an incident and prior to demobilization.
- For radio repair/replacement, control access to one person at a time.
- Follow manufacturers' guidelines for cleaning radios, especially after cloning or repair.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Facilities

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Facilities Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to <u>Appendix A</u> –All Fire Personnel Best Practices.
- Develop a Facilities IWI procedure prior to assignments.
- Pre-order needed cleaning and sanitation supplies and PPE (face mask, gloves, gowns).

- Conduct daily <u>COVID-19 Screening Tool</u>.
- Consider the need for expanded areas for all required workspaces.
- Work with local health agency to determine geographic areas with low incidence of COVID-19.
- Establish an isolation area with all required support.
- Provide guidance on use of PPE to all Facilities staff and camp crews.
- Coordinate with other Units and Sections for a rigorous cleaning and sanitizing schedule.
- Ensure ALL contractors have COVID-19 compliance procedures in place and are implemented.
- Ensure social distancing practices are established and followed.
- Limit unit exposure to essential personnel only.
- Post CDC and local health agency protocols in prominent areas of ICP, Base, Spike Camps and Staging Areas.
- Limit the use of hotels/motels, if possible.
- If hotels/motels are to be used for housing, consider the social distancing requirements when arranging rooms.
 - Modules may use two personnel per room while still maintaining social distancing.
 - Ensure the establishment follows state and local health department standards for cleaning and disinfecting the rooms.
- If sleeping trailers are to be used, ensure the contractor has enough staff to maintain state and local health department standards.
- When using sleeping trailers, reduce the amount of personnel utilizing the trailers by half to maintain social distancing requirements.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/20/2020

Security

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Security Unit during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to <u>Appendix A</u> –All Fire Personnel Best Practices.
- Utilize the most current guidance and recommendations from CDC.
- Develop a Security IWI plan prior to assignments.
- Determine if the ICP/base is to be in or near a security high-risk area.
- Establish daily/shift self-checks for all Security Unit staff, per CDC guidelines.
- Establish virtual section meeting and interview methods.

Incident Response

- Restrict access to all Incident facilities.
- Consider badging at ICP, base and other satellite facilities.
- Increase staffing to allow a greater presence at Check-In, Supply and Demob.
- Check with Facilities for security needs for isolation areas.
- Monitor responder theft of medical supplies.
- Liaise with local law enforcement to ensure a good working relationship.
- Conduct daily <u>COVID-19 Screening Tool</u>.

Exposure Response

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Plans Section

This document is intended to be used as a tool for extended attack/complex wildland fire response for a Plans Section Staff during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Identify opportunities for incident personnel to work virtually/remotely. Consider simulations
 testing remote activities, possibly engage IMTs, AAs, cooperators, and partners to test and
 evaluate remote system technologies, processes and systems to be proficient remotely.
 Virtual Operations paper, see Appendix E.
- Conduct video/virtual meetings and briefings, using available technology.
- Be prepared to be self-sufficient for several days, including potential remote/spike camps.
- Continually assess deploy ability of IMTs. Given illnesses and departments suspending IMT members' participation due to the current COVID-19, some IMTs may be required to stand down or combine with other IMTs.

- Reduce exposure by conducting as much work (briefings/meetings/gatherings) virtually or remotely, as technology allows. Refer to <u>Appendix E</u> for helpful suggestions.
- Maintain multiple contingency plans in the event of technology failure.
- Conduct check-in and demobilization by electronic device; otherwise, limit exposure by maintaining social distancing and having decontamination protocols in place.
- Utilize electronic applications for gathering, disseminating, and storing information.
- Conduct Daily COVID-19 Screening Tool .
- Ensure COVID-19 Prevention and Screening Protocols are in the IAP, and COVID-19 is evaluated in the 215-A.
- Coordinate with MEDL to assure appropriate procedures are enacted as a standard part of the demobilization process.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.

Finance Section

(Finance Section Personnel, IBAs & Buying Teams)

This document is intended to be used as a tool for extended attack/complex wildland fire response for Finance Section Staff during the ongoing COVID-19 Pandemic to reduce exposure to Finance Section personnel. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Make proper PPE available to all finance staff, per CDC and local health agency recommendations.
- Review and assess alternatives to remotely complete paperwork and documentation with hospital staff to minimize face-to-face interactions, prior to injury occurrence (Comp/Claims).
- Order yurts with opening sidewalls to allow airflow, as the outside environment allows (temperature, moisture, etc.). Consider ordering yurts with more than one room.
- Refer to <u>Appendix A</u> All Fire Personnel Best Practices.

Incident Response

- Recommend finance staff traveling together should limit carpooling depending on the size of vehicle
- Conduct daily COVID-19 Screening Tool. Maintain a close contact log.
- Ensure finance personnel are equipped with proper PPE.
- Incident Business Advisors and Buying Team members may work at alternate sites and should follow daily <u>COVID-19 Screening Tool</u> and adhere to <u>Appendix A</u> – All Fire Personnel Best Practices for social distancing, personal hygiene, workplace cleaning, and symptom monitoring.
- Design finance work areas to limit finance staff contact with large groups of people. Utilize technology, where possible, to complete daily tasks, while having limited face-to-face contact with resources.
- Maintain contingency plans (PACE) in the event of technology failure.
- Establish separate finance areas staff work area located in clean area that has restricted
 access to resources, a resource meeting area located separately from staff work area for any
 issues that cannot be resolved via email or phone, and a document drop-off area for CTRs,
 shift tickets, etc.
- Establish protocol for finance staff and documents to be moved from the drop-off area to the clean area.
- Ensure adequate room for finance staff work areas.
- Ensure adequate personal workspace (one person per six-foot table).

- Establish resource seating area/review area in finance area for resources to audit time, complete paperwork, etc.
- Ensure workspace areas are sanitized throughout the work shift. Follow CDC and local health agency recommendations.
- Establish electronic submission of CTRs/shift tickets procedures, if possible.
- Establish electronic demobilization procedure in conjunction with Demob Unit Leader. Financial demob process can be achieved through email chain (time submission, resources review, final time approved and signed, documentation package completed).
- Establish virtual/electronic procedures with clinics/hospitals/pharmacies in order for Comp Unit Leader to limit time at those locations.
- Land Use Agreements for facilities that regularly house occupants (schools, conference centers, office space) may require services above and beyond standard restoration (complete decontamination by professional service). Additional details may need to be added to LUA to ensure proper services and compensation are made.
- Items such as yurts, handwash trailers, computers, shower units and caterers may require
 Emergency Equipment Rental Agreements. These agreements will need to be completed by
 an authorized procurement/contracting officer. This may be a virtual position, depending
 upon availability.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/15/2020

Fire Information

This document is intended to be used as a tool for extended attack/complex wildland fire response for Fire Information Section during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices.
- Identify opportunities for personnel to work remotely/virtually. Ensure PIOs have the technology, training, and coordination to be effective and proficient. Practice and prepare to enhance knowledge and the skills necessary to efficiently conduct work off-site.
- Be prepared to be self-sufficient for several days, including potential remote/spike camp locations.

Incident Response

- Implement a strategy that utilizes a "skeleton" staff physically located at the incident, with support staff off-site. On-site PIO would coordinate with other functions and resources, funneling current information to rest of Info staff for dissemination.
- Leverage resources with cooperators and partners when looking outside the agencies for PIO skills to support efforts (coordinate with AZ Department of Emergency and Military Affairs).
- Utilize existing systems like Inciweb, Fire EGP, websites and social media platforms (AZ Fire Info, AZEIN, NM Fire Info, and SWCC Fire Info) to the fullest extent.
- Utilize non-traditional media (newspapers, radio) and consider staffing call centers to serve more rural populations, especially if connectivity is limited.
- Conduct daily COVID-19 Screening Tool.
- Limit media visits to ICP and the fire line; visitors should be medically screened according to approved protocols and equipped with appropriate PPE. Maximize remote interview options.
- Use email lists and/or email subscription services to distribute daily incident updates, maps and other information as an "electronic trapline."
- Utilize "portable" info boards, in the form of an electronic community newsletter for dissemination of information to affected entities; enlist the cooperation of businesses or other establishments to "adopt" an information bulletin board to post maps and information (distributed by PIO via electronic means).
- Conduct video/virtual community information meetings using available technology. Ensure a
 consistent feedback loop for two-way communication with the community.
- Utilize VOST (Virtual Operations Support Team) for social media monitoring and transmission of approved messages, further minimizing travel to incident.

- Direct all media questions and reactions to the potential exposure to the incident PIO or to the local or state public health official, following all agency protocols and HIPAA regulations to protect personal privacy.
- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/16/2020

Safety

This document is intended to be used as a tool for wildland fire response for Safety Officers during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated. Fundamental approaches to safety and risk management on wildland fire incidents should still be applied in the COVID-19 environment; however, careful analysis of exposure potential, preventative measures, and environmental controls should be incorporated in a safety analysis.

Prevention

- Refer to <u>Appendix A</u> –All Fire Personnel Best Practices.
- Be familiar with sources of "best available information" regarding practices that reduce the
 risk of exposure or transmittal of COVID-19. Review the NWCG Infectious Disease Guide
 specifically. https://www.nwcg.gov/committees/emergency-medical-committee/infectious-disease-guidance.
- Understand the risks or consequences that come with accepting assignments outside the local state or geographic area.
- Consider having an off-site (virtual) additional position serving in the safety function for complex incidents.
- Ensure personal protective and sanitization items are enough for the assignment.
- Review normal position procedures and think in terms of what may need to be different in the pandemic environment.

Incident Response

- Conduct daily <u>COVID-19 Screening Tool</u>.
- Remain focused on identifying the hazards and risks associated to the wildland fire environment, while filtering for the likelihood of exposure or transmittal of COVID-19.
- Encourage practices recommended by the CDC or state or local health authorities for transmittal avoidance, with a filter for what can be practically applied in the emergency response environment.
- Collaborate with Medical Unit Leader to prioritize the incident needs for supplies and equipment related to transmittal avoidance or management.
- Ensure the incident medical plan (ICS-206) contains information related to responder direction for communicating and transporting COVID-19 suspected illness.
- Understand reporting requirements for suspected and confirmed COVID-19 illness.

- Engage with the Logistics Section regarding incident facilities, size, equipment needs, and procedural adjustments necessary to enhance preventative measures.
- Refer to <u>SW IMT SOFR 03/26/2020 meeting notes</u> for other considerations.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/16/2020

Liaison

The following guidelines were developed based on the advice of health and safety authorities in April 2020. As the situation develops and more information becomes available, these guidelines should be reviewed and updated.

The deployment of an Incident Management Team into a geographic area that is already entrenched in a pandemic response can be viewed as an incident within their incident. Much compassion to that fact should be exercised when engaging cooperators and other agencies.

When on an incident during a pandemic, the number of cooperators and assisting agencies will expand. Atypical agencies could include local hospitals and clinics, local and/or county public health officers, regional healthcare coalitions, local, regional or state EOCs and MACs, some of which may never have encountered an IMT. The Liaison might be the initial contact.

Given the potential exposure and spread of COVID-19, the intent is to adapt to a virtual work environment, understanding that there will be variations to virtual work based on incident complexities.

Prevention

- Refer to Appendix A –All Fire Personnel Best Practices for social distancing, personal hygiene, workplace cleaning, and symptom monitoring.
- Ensure you are properly equipped/trained to accept virtual assignments.
- Be prepared to be self-sufficient for several days, including potential remote/spike camp location (extra clothes, food, water, etc.).

Incident Response

- Conduct as much work as possible, utilizing technology, to attend virtual cooperator meetings
 and share information with participating agencies. Ensure communications technology links
 are available to participating agencies.
- Consider recording presentations to deliver to stakeholders and partners in lieu of in-person cooperator meetings.
- Conduct daily COVID-19 Screening Tool .
- Practice social distancing or virtual C&G meetings.
- Consider designating a phone number for Liaison for external contacts in case internet technology fails or is unavailable.
- Consider use of additional LOFRs and trainees to manage virtual work activities including assignment to other remote/virtual locations where direct linkage to the ICP is necessary [e.g., Emergency Operations Centers (EOCs), Command Centers, regional Multi-Agency Coordination Centers, Joint Field Office (JFO), etc.].

- Identify and establish close working relationships with cooperators, including health departments and local EOC.
- Ensure telecommunication connectivity with ICP.
- Ensure participating agencies have a copy and understand the IMT COVID-19 protocols, best practices, and amended typical operational procedures.
- Assist Safety Officer and Medical Unit Leader gain information regarding the capacity and integrity of the local and regional healthcare system(s).
- Support Safety, Medical, IARR, and home unit when personnel assigned to the incident are treated for COVID-19, as requested.
- Consider ordering a Liaison with ESF-8 experience.

- Follow the most current direction from the CDC, state, and local health authorities including
 jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/16/2020

Incident Commander

Incident Commanders will be faced with managing response in a systematically different way in the COVID-19 environment. This will entail minimizing exposure to personnel through maximizing who can work virtually and organizing in ways that avoid large populations of responders being in proximity, while ensuring communication of intent and direction are not compromised. This document is intended to be used as a tool for wildland fire response for Incident Commanders during the ongoing COVID-19 Pandemic. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Review ICS functions on the IMT to identify those essential to be on the incident, who can
 work from their home units, and those that can work off-site in small groups.
- Maximize the use of video/phone conference capabilities to convene the IMT for preresponse planning.
- Become familiar and keep current with health and hygiene practices necessary to minimize impacts of COVID-19, ensuring your team has a functional plan to implement those on an incident. Utilize jurisdictional/responsible agency direction, the CDC, and state and county health authorities as guides.
- Refer to Appendix A All Fire Personnel Best Practices.

Incident Response

- Ensure Agency Administrator intent incudes suppression response strategy and COVID-19 response needs to achieve a successful outcome.
- Provide clear Leader's Intent to Command and General Staff to ensure that strategic and tactical decisions consider COVID-19 and minimize the number of personnel and the incident duration. Utilize strategies and tactics that offer the highest potential for success and commensurate trade-offs for risk and rewards.
- Consider application of video/phone conference and minimal in-person participation at incident in-briefings and close-outs.
- Ensure the deployment of assigned personnel, maximizes social distancing opportunities without compromising communications and safety.
- Conduct daily COVID-19 Screening Tool .
- Consider shift length and work/rest ratios to enhance distancing opportunities.
- Be familiar with local direction (agency/state/county) regarding testing, isolation, and treatment of COVID-19 to ensure compliance with these policies/practices.

- Ensure engagement with stakeholders and the public is maximized through technology and social media sources to avoid exposure through large gatherings and interactions.
- Utilize the fewest resources necessary to accomplish the mission, minimizing exposure to disease spread.
- Consider limiting access to incident facilities (entry and exit) for all non-incident personnel.
- Consider separation of ICP and Camp locations to limit face-to-face COVID-19 exposure potential.
- Maintain separation of suppression modules on the fireline and during off-shift periods.
 - Consider staggering resource shifts to avoid congestion points.
- Develop and prioritize strategies based on Values at Risk and COVID-19 risk to responders.
- Establish an awareness of medical care availability (Drawdown) in the local hospital system.
- Consider the impacts of COVID-19 to evacuations and centers. Have discussions early on with law enforcement, local health care providers, and shelter personnel. Minimize the duration of time that citizens are displaced.
- Consider the use of a medical officer position and/or expanding the Medical Unit. Consider using a county health liaison, as available or as needed.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/16/2020

Agency Administrator

The purpose and intent of the BMPs for Agency Administrators (AAs) is to list practices for prevention of the COVID- 19 virus before and during incident response. This is an unprecedented situation, so our approach to managing risks from both the virus and wildfire cannot be "business as usual." Portions of our management of fire this season will likely change some of our existing business practices for the future. Prevention, effective/swift initial attack, and careful framing of objectives to reflect scarce resources (as if in PL5), and wise investment of where we ask first responders to take risks will be critical components of managing COVID-19 risk during this pandemic. Low risk options for assembling IMTs to manage large incidents are complicated and limited. If known or suspected exposure occurs during incident response, practices must be implemented for the person and possible contacts with others to prevent the spread of the virus. The information known for spread of the virus is rapidly changing, thus there must be a collective corporate will to add and update Leader's Intent relative to their framing of the at-risk values and options for attaining objectives. Creating an environment where modules have the information about the risks and BMPs for managing COVID-19 and the discretion to manage those risks at the individual and module level will be key to our success. Consideration must be given to an interagency approach to ensure an integrated and common operating picture from leadership.

Prevention

Agency Administrators must provide clear Leader's Intent.

- Since low risk options for assembling IMTs to address large fires is limited and due to the resource scarcity induced by COVID-19, AAs should consider fire restrictions (and closures, if applicable) earlier than normal, with strong public messaging regardless of fuels indices.
- Ensure all incident personnel, including IMT members, support team members, Prevention Teams, Critical Incident Stress Management Team (CISM) members, Buying Teams, Incident Business Advisors, and all other supporting individuals regardless of whether they are working on-site or virtually, are fully aware of and practice recommended safety and health measures as listed in the All Fire Personnel Best Practices for COVID-19. (Appendix A).
- Ensure that modules in your chain of command have the tools they need to be
 operationally and logistically self-sufficient and educated on COVID-19 hazards and
 mitigations that they will need to manage incidents and their personal risks.
- Ensure clear Leader's Intent to Type 4 and 5 ICs, taking an approach that both minimizes the number of responders and the incident duration during initial attack. Utilize tactics and strategies that offer the highest potential for success and commensurate tradeoffs for risk and rewards.
- Use all viable technology; maximize virtual environments to the extent possible. This
 includes all components of complex incident management inclusive of T3, T2, T1 and Area
 Command organizations and all components of coordination and dispatch functions.

- Understand your role in implementing and protecting the integrity of the IRPG risk refusal process. With the added complexity of COVID-19, all wildland firefighters have the absolute right to turn down an assignment due to concern of exposure.
- Provide Leader's Intent and support for the "Module as One" concept.
- Support and authorize the use of militia personnel to respond to incidents and assist with prevention activities.
- Communicate any changes to strategic response to wildland fire planning or resource contributions to local or geographic efforts with jurisdictional partners.
- Manage public and political expectations of wildland fire response in a reduced resource environment; it is going to take political courage to follow through.
- Conduct pre-season COVID-19 wildfire strategic discussions with interagency cooperators, including scenarios involving evacuations, etc.
- Review approval processes (such as mechanized use in wilderness) to minimize delays that may occur in the initial attack phase of response.
- Address continued sanitation efforts and isolation requirements from incident-related travel and assignments.
- Utilize teleworking and virtual environments to the fullest extent possible.

Incident Response

Agency Administrators play a critical role in determining what the strategic risk profile will look like for first responders, so carefully consider the objectives you are asking firefighters to achieve. Provide Leader's Intent to implement best practices during mobilization, at incident, and through demobilization.

- Provide clear Leader's Intent on the importance of providing for fire and emergency responder safety is the first and foremost priority so that they can sustain the response capacity that will be necessary to ensure public safety.
- Emphasize that firefighters are to manage risks from fire and the virus simultaneously, rather than separately. Reducing the risks from COVID-19 is not a complication; it is part of our primary objectives.
- Provide psychological and emotional support considerations for responders by implementing interagency or cooperative chaplaincy, peer support, or CISM programs. Apply COVID-19 social distancing considerations.
- Though acting locally, keep the regional and national context in mind when framing
 objectives and making decisions. Regardless of the national and regional planning levels, take
 the approach you would use if in PL5. Line officers need to coordinate with other entities
 (GACCs, leadership, and cooperators) to ensure alignment of regional strategies and resource
 allocations.
- Objectives should primarily be focused on protecting human life and critical community infrastructure. To reduce utilization and exposure to resources, any other priorities should have a strong rationale to be included.
- Conduct and communicate trade-off analyses with cooperators and responders to explore which options best meet incident objectives, while minimizing wildfire and COVID-19 risks.

- Ensure ICs consider the impacts of COVID-19 to evacuations and centers. Discuss plans early
 on with law enforcement, local health care providers, and shelter personnel. Minimize the
 duration of time that citizens are displaced.
- Develop contingencies that will be most successful while utilizing minimal resources. Develop triggers so that they are implemented at the appropriate time and not unnecessarily.
- Maintain a laser focus on options that provide the highest likelihood of success relative to the incident objectives, including safe use of the fewest responders for the shortest duration.
- "Fewest acres" is not always synonymous with the lowest risk or shortest duration, so be careful about including that as an incident objective.
- Ensure local Fire Management and ICs are provided with expectations for application of agency COVID-19 related procedures in the emergency response environment.
- Include COVID-19 mitigation procedures and priority in IC's Delegation of Authority and/or Leader's Intent documentation for T1, T2, and T3 incidents.
- Coordinate with ICs/IMT on use of virtual positions at the time of mobilization and throughout the incident.
- Insist on an evaluation of objectives and needs when designing mop-up operations to reduce the severity and duration of firefighter exposure.
- Ensure availability of adequate incident support staff (logistics, READS, AA representatives).
- Engage with interagency partners on multi-jurisdictional incidents regarding consistent practices for COVID-19 management in the incident environment.
- Prepare WFDSS products that articulate how the incident strategy or course of actions are influenced by COVID-19 prevention/management factors.
- Because of mobility issues, understand that response will be geographic in nature and in some cases neighborhoods (e.g. forest, park, or statewide) and not agency specific.
- Include objectives for IMTs to use non-traditional fire camps, spike camps, coyote tactics, and virtual positions to support the "Module as One" concept.
- All agencies within the GA with wildland fire responsibilities will forego natural resources and other administrative assignments to support wildland fire efforts.
- Wildfire emergency rehabilitation (e.g. BAER for federal agencies) activities should follow same protocols and principles as wildfire suppression activities to reduce employee exposure to COVID-19. When reasonable, choose strategies and tactics that minimize the need for suppression repair and BAER activities. Implement the minimal amount of activities truly needed to protect public safety and critical natural resources.
- When appropriate, apply the use of "field promotions" so that loss of a single leader does not
 result in the loss of availability of the entire module in cases where it comes down to losing a
 resource.
- Consider the number and type of trainees on an incident to reduce the number of personnel at risk of exposure, while balancing the need to train critical shortage positions and meet IFPM/successional planning needs.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.

- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).
- If notified by employee or health department of positive COVID-19 test results, inform IC/IMT/Fire Management, without disclosing PII and in compliance with agency policy and HIPAA regulations.

Updated: 04/16/2020

Fire Management

This document is intended to provide suggested practices for Fire Managers and Duty Officers during the ongoing COVID-19 Pandemic. Agency Administrators and Fire Managers should work with interagency partners to ensure appropriate protocols for wildland fire response. The following guidelines were developed based on the advice of health and safety authorities in April of 2020. As the situation develops and more information becomes available, these guidelines should be periodically updated.

Prevention

- Refer to Appendix A All Fire Personnel Best Practices.
- Minimize cross-module contamination potential.
 - o Minimize utilization of "fill-in" firefighters to modules assigned to incidents.
 - o Consider keeping training assignments confined to "within module."
- Stagger responding modules to alternate closest forces response as much as possible.
 - o Ensure interagency response is maintained to best create exposure resilience.
- Initial response and extended response shifts should emphasize and promote decontamination and individual care considerations.
- Update Staffing and Action Guide and preplanned response documents to incorporate local response mitigations.
 - Consider mitigations to extended incident response times if firefighters are in a delayed response pattern to assure timely response.
- Coordinate with cooperators to establish and implement area fire restrictions, as needed.
- Consider utilization of local MACS to coordinate resource shortages and incident prioritizations during multiple fire start events.
- Build COVID-19 response and mitigation strategies into WFDSS and establish interagency response objectives during extended attack or for incoming IMTs.
- Consider using virtual public information campaigns to inform people of fire response concerns and fire restrictions.

Incident Response

- Create suppression strategies to minimize assigned personnel and incident duration.
 - Use predictive services and professional judgement to balance assigned resources and incident duration.
- Establish clear expectation of swift initial response to minimize the possibility of large fire response requirements, including multiple start prioritization.
- Consider evacuation issues and consult with law enforcement partners during the early phases of the incident.
- Prioritize prevention patrols to deter and detect fires.

- Consider ordering and implementing a saturation patrol strategy when PSA(s) at high risk/probability of large fire growth.
- Consider the application of aviation and mechanized assets in the initial attack phase to reduce assigned personnel.
- Minimize briefing size and limit face-to-face contact as much as possible.
 - Consider if operational briefings can occur over radio during Initial Response.
 - o Limit face-to-face briefings to 10 leaders or fewer, if possible.
- Decentralize staging areas to limit face-to-face contact with other modules.
- Consider logistical support needs to implement daily decontamination procedures of apparatus, equipment, and PPE on multi-day incidents.
- Consider holding assigned modules on incidents overnight to minimize home exposure potential.
- Utilize line spike and small spike camps as much as possible.
- Conduct daily COVID-19 Screening Tool for all firefighters on multiday incidents.

- Follow the most current direction from the CDC, state, and local health authorities including jurisdictional/responsible agency direction. https://www.cdc.gov/coronavirus
- Implement team or local unit exposure response plan.
- Implement specific agency response protocols for the affected individual(s).
- Ensure local health officials are involved in cooperative communications.
- Establish Medical Unit standards and procedures to ensure monitoring, testing and isolation treatment procedures can be adhered to.
- Determine reporting process for COVID-19 related exposure (local level, home unit, 209, etc.).

Updated: 04/16/2020

Appendix C – Wildland Fire COVID-19 Screening Tool

Wildland Fire COVID-19 Screening Tool

Interim Standard Operating Procedures – 4/15/2020

NOTE: This Screening Tool represents interim guidance. Additional clarification will be coming as soon as it is defined.

DO YOU HAVE ANY OF THESE SYMPTOMS?

Today or in the past 24 hours, have you had any of the following symptoms listed below, in addition to your normal work-related issues?

- Fever, felt feverish, or had chills? Repeated shaking with chills?
- Cough? Shortness of breath or difficulty breathing?
- Muscle pain? Headache? Sore throat?
- New loss of taste and/or smell?

If in doubt about any of these symptoms, consult a Physician.

In the past 14 days, have you had contact with a person known to be infected with the coronavirus (COVID-19)?

Take temperature with touchless thermometer if available

INSTRUCTIONS FOR SCREENING

- If resource is positive for any symptoms prior to mobilization DO NOT MOBILIZE.
- At Entries Consider the adequate number of personnel needed for screening. Although medical personnel are ideal, screeners do not have to be medically trained.
 - If resource is positive for any symptoms including fever (over 100.4) at entry DO
 NOT ANNOUNCE- ask to step aside.
 - Escort sick individual to isolation area.
 - Isolation support personnel should begin documentation. Have sick individual contact Supervisor for further direction.
 - Notify public health officials.
 - Have individual transported as appropriate.
 - Protect and secure any collected Personal Identifiable Information or Personal Health Information.

To: Fire Management Board and Non-Federal Wildland Fire Partners

From: COVID-19 Wildland Fire Medical and Public Health Advisory Team (MPHAT)

Date: 04/15/2020

Subject: COVID-19 Interim Screening Protocol for Wildland Fire Personnel

Purpose:

The interagency wildland fire community is committed to preventing the spread of COVID-19 and promoting the health and wellness of all wildland firefighters and support personnel. Consistent and continual monitoring of personnel is the first step in preventing the movement of potentially infected individuals and the spread of COVID-19. This memorandum establishes interim standard operating procedures and protocols for screening of wildland fire personnel at duty stations and during incident management activities to protect all personnel, appropriately manage potential COVID-19 infection, and reduce risk.

Background:

In December 2019, a novel (new) coronavirus known as SARS-CoV-2 was first detected in Wuhan, Hubei Province, People's Republic of China, causing outbreaks of the coronavirus disease COVID-19. The virus has now spread globally. Across the U.S., public health authorities have issued significant restrictions on public gatherings and implemented social distancing practices.

This disease poses a serious public health risk and can cause mild to severe illness; especially in older adults or individuals with underlying medical conditions. COVID-19 is generally thought to be spread from person-to-person in close contact and through exposure to respiratory droplets from an infected individual. Initial symptoms of COVID-19 can show up 2-14 days after exposure and often include: fever, cough or shortness of breath. Recent studies indicate that people who are infected but do not have symptoms likely also play a role in the spread of COVID-19

With the intent to sustain a viable, safe and effective wildland fire management workforce, (Federal, State, local and Tribal assets) during the COVID-19 pandemic, a preliminary measure is to establish common infection screening protocols utilized across the wildland fire community. The MPHAT has been established by the FMB with concurrence of the Fire Executive Council to address medical and public health-related issues specific to interagency administration of mission critical wildland fire management functions under a COVID-19 modified operating posture. The MPHAT includes interagency representation and interdisciplinary expertise (including CDC-NIOSH and medical professionals from USFS and DOI) to advise on all medical and public health related aspects of COVID-19 planning, prevention and mitigation. To that end an interim standard operating procedure has been developed and recommended by MPHAT for immediate adoption and utilization by wildand fire personnel at duty stations and wildland fire incidents to reduce the risk of disease through common screening protocols.

Rationale:

The scale and potential harm that may be caused by this pandemic meets the American Disabilities Act *Direct Threat* Standard.¹ Therefore, routine screening in the workplace is justified and warranted to prevent further community spread of the disease. By identifying, properly triaging, and managing personnel with exposures and these symptoms, personnel can reduce the spread and better mitigate COVID-19 infections among their workforce.

Instructions:

The following screening guidance is recommended for adoption and implementation at duty stations and for all incident management activities across the interagency wildland fire community, as frequently and extensively as possible. Supervisors and incident managers should plan and resource accordingly to support the following SOP:

Pre-Mobilization

Supervisors should ensure personnel have no present symptoms of illness using the *Wildland Fire COVID-19 Screening Tool* prior to consideration of incident assignments. In addition to this initial screen, Supervisors should inform personnel going on assignments of ongoing routine daily screening on all incidents during COVID-19.

Arrival/Entry to Location

All resources accessing any entry point location will wash their hands. If soap and water are not available hand sanitizer may be used. Each resource will proceed to receive verbal screening using the *Wildland Fire COVID-19 Screening Tool* and if possible, have their temperature assessed using a touchless thermometer. Supervisors and incident managers should determine the number of personnel required to support the screening process and consider scheduling and/or staggering resource arrival times to minimize crowding at arrival/entry locations.

Daily Screening

All resources should be encouraged to report any emerging symptoms to their supervisor (Crew Boss, Unit Leader, Module Leader, Duty Officer, Division Supervisor, Floor Supervisor, etc.). In addition, supervisors should assess subordinates' health daily using the *Wildland Fire COVID-19 Screening Tool* to ensure no emerging symptoms. It is recommended the screening questions are asked of all personnel routinely throughout the day.

Positive Screenings

Persons with indications of illness prior to mobilization should be excluded from incident assignments until they meet the return to work criteria as described by CDC (7 days after the start of symptoms and at least 3 days after the last fever not requiring fever reducing medications, and symptoms are improving).

Persons found meeting sick criteria or found to be with fever on arrival at an incident entry location should not be allowed entrance and, as above, should be excluded from incident assignments until they meet the return to work criteria as described by CDC. Next steps should be coordinated with unit leadership, the medical unit and/or local health authority. Prior to release and return to home, individuals with signs or symptoms of illness posing a risk of COVID-19 transmission should be isolated in a separate location. This may require separate, dedicated and staffed areas/facilities to ensure that individuals with potential COVID-19 infection do not comingle with other fire personnel.

Confidentiality of Medical Information:

Any medical information gathered is subject to ADA confidentiality requirements [3] [4].

Tools and Supplies

- Verbal Screening use the Wildfire COVID-19 Screening Tool
- Temperature Checks use only touch-less infrared thermometer if available.
 - Incident management personnel involved with screening should consider purchasing touchless thermometers prior to assignment. Incident emergency medical personnel are strongly encouraged to bring their personal touchless thermometers if available.
- Mask or Face Barrier Current CDC guidance includes wearing cloth face coverings in public settings where other social distancing measures are difficult to maintain, especially in areas of significant community-based transmission. The use of simple cloth face coverings is recommended to slow the spread of the virus and help people who may have the virus and do not know it from transmitting it to others. As of April 2020, masks made from cloth material are considered acceptable facial barriers.
- Isolation use separate facility, yurt or personal tent.
- Dedicated Wash Stations Consider the number of dedicated wash stations and/or portable restrooms needed to maximally support each bullet above.

Personal Protective Equipment

The NFES 1660 – *Individual Infectious Barrier Kit* or NFES 1675 – <u>Multi-Person</u> Infectious Disease Barrier Kit (as needed) should be used under the following circumstances:

- Workers engaged in screening at arrival and entry location
- Workers helping to manage sick and/or asymptomatic personnel with recent COVID-19 interaction.
- Workers helping to sanitize infected areas, or any areas suspected of infection

Note: Appropriate techniques for using personal protective equipment including donning and doffing can be found at: https://www.cdc.gov/coronavirus/2019-ncov/hcp/using-ppe.html

References:

- Interim Guidance for Businesses and Employers to Plan and Respond to Coronavirus Disease 2019 (COVID-19)
- [2] <u>Symptoms of Cor</u>onavirus
- Pandemic Preparedness in the Workplace and the Americans with Disabilities Act
- 29 CFR § 1630.14 Medical examinations and inquiries specifically permitted.
- DOI COVID-19 Risk Assessment & Decision Matrix for Managers (*DOI Access Only*)
- Discontinuation of Isolation for Persons with COVID-19 Not in Healthcare Settings (Interim Guidance)

- [7] Personnel in Mission Critical and Essential Function Positions (*DOI Access Only*)
- Coronavirus Disease 2019(COVID-19). Use of Cloth Face Coverings to Help Slow the Spread of COVID-19.

Appendix D – Contact Lists

Name	Position	Functional Area	E-mail	Phone #
Kenan Jaycox	Center Manager	Mobilization Operations	kenan.jaycox@usda.gov	505-250-7193
Kenan Jaycox		CACHE Operations		
Jayson Coil	Assistant Chief	Local Government / Contractor / International / Military Support	Jcoil@sedonafire.org	928-607-1419
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Jami Anzalone		All Rotor Wing Aviation		
Jami Anzalone		Airbase/Helibase Operation		
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Duane Tewa		Crew Operations		
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Will Kuamo'o	MEDL	Medical Officer	will.kuamoo@srpmic-nsn.gov	480-677-0692
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Pete Smith	LOF1	Liaison	pete.smith.imt@gmail.com	480-215-5826
Scott Cooke	LOF2	Liaison	scooke@blm.gov	928-792-9080
Dave Gesser	ICT2	Incident Commander	dave.gesser@usda.gov	928-925-5533
Alan Sinclair	ICT1	Incident Commander	alan.sinclair@bia.gov	520-610-0611
James Melonas/Dale		Agency Administrator	james.melonas@usda.gov	
Deiter			dale.deiter@usda.gov	
Gregory (Todd) Richards		Fire Management Officer	T3richar@blm.gov	505-250-7193

Appendix E – Transportation

Transportation

Contract (NICC) Jets

- Personnel can be checked for symptoms prior to boarding as part of the manifest check.
- Provides a controlled environment for tracking the movement of personnel.
- Minimizes the exposure of personnel to the general traveling public.
- Ability to reduce the number of crews on the flight to maintain social distancing.
- Possibly easier to obtain emergency clearance of crews from state quarantine mandates.
- In the event of a subsequent positive test result, it will be easier to identify personnel who need to be quarantined.
- More flights may be required to transport the crews if social distancing is required.
- A subsequent positive test result may result in the quarantine of the entire jetload, possibly even the flight crew.

Commercial Air

- More flights are available.
- In the event of a positive test, only need to quarantine one crew.
- May possibly be more difficult to check personnel for symptoms if crew travels on different flights.
- Greater exposure to the general population, leading to a greater possibility of exposure.
- May not be able to avoid mandatory state quarantines upon arrival.

Agency Vehicles (IHC's, Engines, Modules, etc.)

- Immediate mobilization response of resources.
- Immediate availability for operational assignments.
- Assigned vehicle mix may not provide proper social distancing, requiring the assignment of additional agency vehicles or providing rental vehicles, delaying response.
- Travel issues may arise, such as lack of open restaurants, rest areas may be closed, and difficulty
 of obtaining overnight lodging, possibly delaying response.

Contract Resources (Crews, Engines, Equipment, etc.)

- Immediate mobilization response of resources.
- Immediate availability for operational assignments.
- Contractual vehicle mix may not provide proper social distancing, causing the addition of vehicles outside of the contract, possibly requiring the modification of the contract. May result in a delayed response.
- Travel issues may arise, such as lack of open restaurants, rest areas may be closed, and difficulty
 of obtaining overnight lodging, possibly delaying response.

Contract Crew Buses

- One vehicle per crew.
- Ability to keep one crew assigned to a single bus.
- No need to ensure that the crew has licensed drivers.

- Bus operator responsible for cleaning and sanitizing the vehicle.
- May need two buses to maintain social distance.

Rental Vehicles

- Better able to maintain social distancing.
- In the event of a positive test, may reduce the number of personnel to be quarantined.
- Better able to split the crew for operational assignments.
- Need at least one licensed driver for each vehicle.
- Crew members are responsible for cleaning and sanitizing the vehicles.
- May need additional vehicles to maintain social distancing.

Helicopters

- May be the only way to transport crews to some locations.
- May need to clean and sanitize after each personnel flight.
- In the event of a positive test, in addition to the crew, the Helitack module and pilot may also need to be quarantined, requiring their replacement.

Boats

- May be the only way to transport crews to some locations.
- Use is not dependent on suitable weather for aviation.
- May need to clean and sanitize after each trip.
- In the event of a positive test, in addition to the crew, the operator will also have to be quarantined, requiring a replacement.

Single/Twin Engine Planes (Twin Otter, etc.)

- May be the only way to transport crews to some locations.
- May need to clean and sanitize after each trip.
- In the event of a positive test, in addition to the crew, the pilot will also have to be quarantined, requiring a replacement.

Lowboys & Rental Vehicles

- Transporting an engine on a lowboy while having the engine crew drive rental vehicles keeps the engine in service in the event a crew member exhibits symptoms or has a positive test while enroute, isolating the whole crew.
- If the lowboy operator becomes ill, the engine may be delayed in arriving.

Appendix F -- Wildfire Smoke and COVID-19

Background on Wildfire Smoke and COVID-19 Risks

Community exposure to wildfire smoke has been directly linked to deaths in the United States. A Washington State study attributed 600 deaths to wildfire smoke in 2017 and a US Environmental Protection Agency study estimated annual mortality from wildfire smoke to be between 1500-2500 deaths. ^{1,2} In addition to an increased mortality risk, exposure to smoke (from wildfire and biomass burning) may affect lung health and has been found to be associated with respiratory infections (influenza, bronchitis, and pneumonia). ^{3,4,5} Although research has not been conducted on how exposure to wildfire smoke is associated with COVID-19, it may lead to an increased susceptibility to COVID-19 infection, worsen the severity of the infection and pose a risk to those who are recovering from serious COVID-19 infection. These risks from wildfire smoke and COVID-19 combined are an important consideration for both the health and safety of communities and fire personnel.

Wildfire Smoke and COVID-19 Response Plan

As part of the Interagency Wildland Fire Air Quality Response Program (IWFAQRP), the Forest Service began assessing the implications of wildfire smoke combined with presence of COVID-19 in March 2020, leading to the initiation of a smoke response plan. The IWFAQRP (wildlandfiresmoke.net) was created to directly assess, communicate, and address risks posed by wildfire smoke to the public as well as fire personnel as recognized and authorized under the Dingell Act of 2019. The program depends on four primary components: 1) specially trained personnel called Air Resource Advisors (ARAs) who are deployed to incidents to address smoke issues, 2) air quality monitoring capability through a cache of deployable instruments, 3) smoke concentration, dispersion modeling, and public air quality prediction outreach tools, and 4) coordination and cooperation with agency partners. Although the Dingell Act directs use of ARAs to the maximum extent practicable on federal wildfires with Type 1 teams, wildfires of all organization levels with smoke impact issues may also benefit from ARA assistance. States and tribes use ARAs as well and are anticipated to have similar needs in 2020. Dispatches are similar to the IMET program by name request in coordination with the IWFAQRP as outlined in Regional Mob Guides.

All elements of the response plan are subject to change as new science emerges surrounding wildfire smoke and COVID-19 and as operational needs develop/evolve throughout 2020. In order to address both concerns for communities and fire personnel, the IWFAQRP and its partners are developing tools to address the challenge of wildfire smoke and COVID-19. Tools under rapid development are: 1) a Smoke Ensemble Forecast Tool (SEFT) to improve ARA and partner operational smoke forecasting, 2) a Smoke Early Warning System (SEWS) that integrates fire outlooks and potential for significant fire growth with emissions to provide extended warnings to communities, and 3) a Community Assessment of Prescribed fire Smoke Risk (CAPSR) tool for COVID-smoke vulnerability and at-risk populations. At the national level, IWFAQPR is coordinating with the Centers for Disease Control and Prevention, National Institute for Occupational Safety Health, Environmental Protection Agency-Office of Air Quality Planning Standards, Environmental Protection Agency-Office of Research and Development, National Oceanic and Atmospheric Administration, National Aeronautics and Space Administration, and Federal Emergency Management Administration to ensure alignment, coordinated and consistent messaging, and to leverage efforts addressing potential risks posed by wildfire smoke and COVID-19.

Key activities of the IWFAQRP and ARAs are highlighted below. Best practices for smoke in an environment with COVID-19 are outlined in Appendix H.3.

Interagency Wildland Fire Air Quality Response Program

- Ensure the national cache of smoke monitoring instruments is adequately stocked, well managed, and ready for dispatch.
- Ensure there will be a prepared cadre of ARAs who are well trained in smoke/COVID-19
 issues, prepared to use new analysis tools, and work closely with health agencies on
 public messaging and outreach.
- Prepare ARAs for collaboration with agency administrators and teams on best management practices for reducing smoke exposure of personnel.
- Assess and maintain a roster of ARAs available for remote assignment.
- Create talking points and guidelines for ARA use when engaging with partner agencies and the public on smoke/COVID-19 health issues.
- Create analysis tools for ARAs and train them to better assess smoke effects to communities at heightened risk of, and/or dealing with COVID-19 outbreak and individuals recovering from COVID-19.
- Develop approaches to have ARAs promote individual and community awareness of interaction of smoke/COVID-19 and how to be more smoke ready.

Air Resource Advisors

- Forecast smoke dispersion and concentrations for fire camps and downwind communities.
- Work with MEDL and local health agencies on smoke issues
 - Relay information about smoke predictions (expected concentrations and duration).
 - o Characterize vulnerability of community to COVID/smoke.
- Design and implement locally appropriate outreach and messaging.
- Promote smoke ready community concepts and inform the public and health agencies where to get additional information.
- Establish key lines of communication with IMT, Planning Section, PIO and AA as appropriate based on IMT guidance.
- Order and deploy smoke monitoring equipment as needed.
- Develop smoke projections from active wildfires.
- Work with local health departments to inform of predicted smoke concentration and duration.
- Use dispersion modeling to help identify best locations to minimize smoke for ICP an remote camp locations.
- Use approved messaging to inform the public about smoke/COVID-19 concerns.
- Collaborate with agency administrators and teams on best management practices for reducing smoke exposure of personnel.

Best Management Practices for Wildfire Smoke Considerations General

- Based on the concerns regarding wildfire smoke and COVID-19, consider having all fire personnel watch the NWCG Smoke: Knowing the Risks video (https://www.nwcg.gov/publications/training-courses/rt-130/hazards/haz508)
- Each Geographic Area should establish "leads" (by state if applicable) to plan for and communicate on potential wildfire smoke interactions with COVID-19. Such leads should have practical smoke experience and/or training.
 - Assess local smoke monitoring capability for PM2.5.
 - Inventory federal, state and local agency PM2.5 monitor cache status of equipment, personnel availability and policies for deployment.
 - o Communicate expected needs for IWFAQRP Cache equipment.

Agency Administrators

- Establish relationships and contacts with state and local health departments and air regulatory agencies for use when smoke impacts are anticipated and for use by ARAs when assigned to incidents. Promote smoke ready community concepts and where the public and health agencies can go to get information. See: https://www.epa.gov/smoke-ready-toolbox-wildfires
- Consider assignment of ARAs to an incident (assigned to the IMT) as early as possible to help address smoke issues including smoke and COVID-19.
- Discuss wildfire smoke and COVID-19 when in-briefing IMTs and/or developing delegations of authority with clear expectations for addressing smoke (e.g.: close coordination with Air Quality Agencies and State/County Health Department).
- Establish guidelines for mop-up standards and other administrative and engineering controls to minimize smoke exposure.

Incident Management Teams

- Locate Incident Command Posts, modular base camps and spike camps in areas with least smoke exposure practicable. Use ARAs for assistance on smoke dispersion and smoke accumulation predictions.
- Consider use of hotels with AC/air handling ability or use of air filtration devices to house teams and crews if smoke will be a persistent problem in camps.
- Consider placing an air quality monitor or sensor in camps to track smoke levels.
- Consider providing medical units with air filtration for isolation of COVID-19 patients.
- Use Six Minutes for Safety to discuss smoke impacts on firefighter health.
- Discuss ways to reduce working in smoke on a daily basis.
- Rotate personnel in and out of situations where smoke exposure is unavoidable (mopup, holding, and firing operations) or use other techniques to reduce smoke exposure.

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Appendix G – Miscelaneous Documents
Northern Rockies Remote Sit Unit Briefing Paper
Northern Rockies Remote Sit Offic Briefing Paper
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This Plan is maintained by the Southwest Geographic Area



Northern Rockies Remote Situation Unit Briefing Paper

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2019 Northern Rockies Remote Situation Unit

Background

In 2017, Northern Rockies Training Center staff developed the remote situation concept which was presented and approved by the NR board, and subsequently stood up remote sit for 32 days supporting Area Command, Type 1 and 2 IMTs, and 10 other groups and functions.

In 2018, The Remote Situation Unit was not utilized, even though CGAC expressed interest in setting up a national Remote Situation Unit. Instead, the NR Data Standards Task Group was established with board support to standardize workflows, processes, tools, and data management of all NR IMTs. The NR GIS Data Standards were implemented, reviewed, and submitted to NRCG subcommittees following an AAR with all SITLs and GISSs in the Northern Rockies. Additionally, NIFC worked with the NR Data Standards Task Group to improve national geospatial standards and incorporated much of the NR Data Standards in preparation of the 2019 season.

The standardization of GIS workflows fostered in-depth conversations about what support an RSU could provide to incident management teams for the 2019 season. RSU coordinators worked with the Northern Rockies Ops and the Northern Rockies Coordination Center to develop a plan to set up the NR RSU at PL3. IMTs were briefed of the RSU Plan during the 2019 Spring Team Meeting in Missoula and CGAC once again expressed their interest in the concept.

2019 Operations

The RSU received numerous requests for support prior to PL3. Initial requests came from the SWGA, in support of the T3 Whitewing Fire in May, which was funded directly by the incident support code. An additional request from SWGA was made shortly after but could not be supported due to scope of effort.

The RSU was then ordered by a NIMO team in July and was officially stood up under a resource order for the Cornucopia Complex in Alaska. The RSU received additional support requests from the Beeskove and North Hills incidents. As work on the Cornucopia Complex wound down, the RSU was shortly reassigned to Beeskove before subsequently being ordered under the NR support code, when additional NR requests were made.

Although the Northern Rockies did not reach PL3 during the 2019 season, the RSU supported eleven NR incidents, one SW incident and one complex in Alaska (see 2019 Incident Report for incident specific information). This included support for one local unit, nine IMT3s, and two IMT2 with technology, data, geospatial, IR, satellite imagery, and mapping products. All NR IMTs tablets and GIS hard drives were set up with firmware updates and loaded with data ready for initial team assignments saving GISSs up to 20 hours of work prior to team assignments. Additionally, the RSU worked with NIROPS to demo and implement new processes for hosting data to improve efficiencies.

The RSU evaluated staffing daily to remain right sized yet flexible for incoming needs and briefed the NRCC on staffing level and incident support. At the height of operation, the RSU had (2) GISS, (3) GISSt, (1) SITL, and (2) SITLt, rotating a total of 8 personnel through. RSU staff charged their time appropriately to incidents based on support provided and the NR Support code was used to supplement management and coordination of the RSU.

2019 Challenges

· Technical complexities:



Northern Rockies Remote Situation Unit

Briefing Paper

- Integrating interagency computers and network limitations;
- Lack of high-speed internet alternatives at the AFD;
- Integration with Type 1 and 2 IMTs;
- · Preseason agency data acquisition.

2019 Successes

- Supporting multiple incidents with reduced staffing improved personnel and cost efficiencies;
- All incidents received mapping support similar to a Type 1 Situation Unit (2 SITLs and 2-4 GISSs);
- Over 33 days RS supported an average of 2.6 incidents per day with an average staffing of 4 personnel;
 - The average personnel staffing included 50% trainees;
 - NRCC brought in a SWGA SITL to observe/participate in hopes of establishing a SW remote sit in 2020;
 - o The Southwest and Great Basin are in communication to establish RS in 2020

2020 Recommendations

Recommendations for the 2020 fire season will be discussed with the NR Board in November 2019. Recommendations will be based on the support provided by the board to continue efforts supporting data continuity across all phases of incident management from preseason to post fire data support. The recommendation is that remote situation can remain a supported function of the Northern Rockies Coordination Center during periods of high fire activity, but without the data standards support, remote situation unit will become less effective.

Fire GIS support remains a collateral duty for those involved in maintaining high quality standards for the Northern Rockies. There is a significant amount of work that goes into coordinating and implementing pre-season data standards efforts. These efforts create efficiencies that result in a net reduction of work required for incident support pre and post fire. As a result, IMTs have access to effective map products before they arrive at an incident, allowing them to focus their efforts on effective planning and reduce risk to responders. Furthermore, data collection standards aid in agency post fire restoration and salvage efforts, as natural resource planners can hit the ground running, without cleaning up the data to make it consistent across the landscape. The development of these Fire GIS consistencies and efficiencies is not currently part of any agencies program of work in this Geographic Area. NRDSTG members are therefore committing time outside their program of work, which remains limited. Support of a Fire GIS position could create a significant net benefit to all interagency partners and responders.

Virtual Operations

Updates and new technology along with improvements in hardware have allowed for some incident response operations to be done virtually.

Many traditional face-to-face practices have potential to promote spread of COVID-19 requiring reevaluation of operational procedures to prevent virus transmission. Incident operations have traditionally involved meeting in groups or working in close quarters to share information. Information presented below is meant to provide guidance on some of the available tools and tool selection considerations that can promote virtual operations, helping limit virus spread during incident management. This list is not all-inclusive but rather a starting point. Incident responders can consider developing operational capabilities using these tools:

Some Available Tools:

- Enterprise video communications (Zoom, GoToMeeting, FireNet)
- Live streaming platforms (Periscope)
- Instant messaging systems (Slack, Skype)
- Video teleconferencing or video calling (VTC, Facetime)
- Mobile applications (Wind Ninja, Collector, Google Forms, QR Code Readers)
- AGOL (Story maps, story journals, data sharing and collaboration)
- Government web-based applications (EGP, WFDSS, IFTDSS, WebEOC)
- Government/public video feeds, portable incident video equipment

Some Tool/Application Considerations

Units will need to define task purpose and need to conclude appropriate tool/applications for use. Other considerations to keep in mind include:

- Number in audience and purpose of meeting. Video platforms have participant limits.
- Is there a need to display/share information? Will Agency firewalls limit use or sharing?
- Will other entities such as county agencies or the public be able to access the applications and do the tool/applications have a good feedback loop or ability to comment?
- Use of virtual tools may require time to train and learn. Some tools require multiple presenters to handle presentations and coordination of feedback.
- Can tools/applications record presentations or save data for required documentation?
- Licenses may be limited or need purchased, or passwords require time to acquire.
- Does the tool/application have the ability to encrypt video or data sharing for security?
- Have capabilities been explored for tools/applications we currently have? Are there low-tech solutions that could be used that would be effective in a virtual environment?
- What equipment is needed to use the tools virtually and be effective? Cameras, Monitors, portable printers, scanners headsets, hotspots, MiFi.
- Is Enterprise e-ISuite functional enough for virtual use? Are there mobile apps available to implement virtual Check-in and Demob, as well as for entering time worked?

SW IMT Safety Officer Call – 3/26/2020



SW IMT Safety Officer Call - 3/26/2020

All SW IMTs Represented: Bill Kornrumph, Eliot Pickett, Don Muise, Mike Gillespie, Russ Copp, Mike Spilde, Ricky Cox, Jim Burton

- Discussed check in procedures. Only having one representative present if in person.
- Potentially have a staging area. Where people call to check in. Make sure folks don't wander around the camp. How does the exchange happen? Do we do it outdoors?
- Number one priority is to protect the team from COVID. No exchange of paper forms. Utilize digital check in, IAP, maps, similar to Arizona Wildfire Academy. Utilize technology to pass information.
- Utilize a modified HSQ that will have questions pertaining to individuals that are high risk and individuals that are symptomatic or have had possible exposure to COVID.
- How will utilize high risk team members, will we be able to fill positions?
- Utilize virtual positions to produce products and other duties. If we have redundancy in team
 positions, separate them.
- Briefings should not be done in person. Utilize technology such as radios, videos, conferencing, phones etc.
- ICP location may need to be more urban and utilizing spike camps for field personal separated from camp.
- What will the competition for resources be like? Could kitchens be pulled by FEMA? Things are different.
- Resource orders in special instructions require 72 hour food supply.
- What does medical unit look like with no staffing? The Med Unit leader will be at risk. Potentially no EMTs or Paramedics available. If an ID patient is removed what personal are assigned to take care of them? Where do they go? Do we manage that? Do they head home, how? Who is involved? If we lose the Med unit then who manages? If then safety, how do we meet all needs?
- Overly prepare, overly plan, quick aggressive actions and decisions. We will be doing more with less.
 Asymptomatic individuals will be like a shark before the attack. You won't see them coming. We need to share and learn within the SW IMTs to learn from each incident this year.
- Utilize the liaison to coordinate and communicate with county health and local EMS.
- If we have a COVID symptomatic individual we do not want them at the Med unit. We want them somewhere else. The Med unit's priority is traumatic injury.
- It would be great to have county, state health or epidemiologist on staff. Will they even be available? Will the fire departments, paramedics, REMS, ambulances, even be available?
- We may need to utilize EMTs from assigned firefighting resources if no medics available for incident.
- Local unit safety manager must be involved and providing hands on assistance, assigned to the
 incident or will identify a representative. OSHA notifications? Fatality? IC will need to give clear
 expectations to the AA.
- Will mobile testing be a potential? What is the time lag? How will we know it is COVID in camp?
 Will we lose the camp and IMT? What is the potential for a Doc in a box?
- We should look to send a short team first and see what the need is.
- Protocols for shower unit cleaning, maybe use sign up schedule, change ratio of how many showers are needed.



- · How will we maintain hygiene with limited resources including hand wash stations and sanitation?
- The food unit should have no dining. It should be just grab and go. Meals should be packaged like coming from a restaurant. Will we need to use MREs, this will not be normal catering.
- Do we want personnel in yurts? Or in the open air? Or something else?
- We will need insure separation of resources. With only one rep for crews, especially with type 2
 crews. VIPR resources will need to have clear intent with switching personnel, not disclosing
 symptoms and the consequences.
- Vendors will need to be tracked, have protocols with no coming and going at their leisure.
- Specifically have a SOF assigned to the camp other than team safety.
- Potentially use infrared temperature testing at check in and spot checks. Is this legal? HR? If someone says they will not test can we just demob them?
- In the future it would be good to have a MD or PA on incidents.
- Look to triage like it is a mass casualty incident. Go straight to a designated facility.
- This is a huge challenge, in essence we have an IWI the whole incident.
- During deployment of teams we should have a daily SOF call in the region.
- We should continue regular SOF calls to continue to disseminate information.
- Specialized cleaning vendor for ID

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