

MINERVA 5 FIRE



NIGHT SHIFT 1800 - 0600

AUGUST 6, 2017



CA-PNF-001043

P5K8GR (0511)




Minerva 5 CA-PNF-001043

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/06/2017 1800 SUN	Date/Time To: 08/07/2017 0600 MON
3. Objective(s): <ul style="list-style-type: none"> • Ensure firefighter and public safety by using strategies and tactics that mitigate known and anticipated hazards while providing for the highest probability of success • Provide accurate and timely fire information through interagency and public coordination • Protect cultural values and natural resources in the fire area • Implement fire Suppression Repair Plan guidelines • In order to minimize the threat to the community of Quincy, it's infrastructure, critical assets, and community watershed keep the Minerva Fire: <ul style="list-style-type: none"> • South and East of Forest Road 24N20 • West of Forest Road 24N73 • North of Forest Road 24N26 			
4. Operational Period Command Emphasis: 			
General Situational Awareness: 			
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Approved Site Safety Plan(s) Located at:			
6. Incident Action Plan (the items checked below are included in this Incident Action Plan):			
<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 207	Other Attachments:	
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> 215A _____	
<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> TRAINING MESSAGE _____	
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input checked="" type="checkbox"/> 214 _____	
<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<input type="checkbox"/> _____	
<input checked="" type="checkbox"/> ICS 206			
7. Prepared by: COLSON / MARTIN		Position/Title: PSC2	Signature: 
8. Approved by Incident Commander:		Name: MILLS / STRAWHUN / GRIFFIN (T)	Signature: 
ICS 202	IAP Page	Date/Time: 08/06/2017 1100	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: NIGHT	
MINERVA 5		Date/Time From: 08/06/2017 1800	Date/Time To: 08/07/2017 0600 MON
3. Incident Commander(s) and Command Staff:		6. Logistics Section:	
INCIDENT COMMANDER	DERON MILLS STEVEN GRIFFIN (T)	CHIEF	AARON DUNCAN MARK RATEKIN (T)
DEPUTY	MICHAEL STRAWHUN	SUPPLY UNIT	DAVID GERSTUNG
SAFETY OFFICER	ROLAND GARCIA GREG MARFIL (T)	FACILITIES UNIT	MATT WIGGINS TIM CRISP (T)
INFORMATION OFFICER	MICHELLE CARBONARO CHERYL CHIPMAN	GROUND SUPPORT UNIT	VERN SMITH LARRY AMERJAN
LIAISON OFFICER	DAVID COOPER ALLEN JOHNSON	COMMUNICATIONS UNIT	JOSEPH MEHCIZ TROY VAUGHN (T)
4. Agency/Organization Representative(s):		MEDICAL UNIT	KEVIN ALBERTSON DEVIN LAWRENCE DAVID MAZAIKA (T)
Agency/Organization	Name	SECURITY UNIT	FERNANDO GOMEZ MATTHEW WILKEN
USFS PNF AA	DANIEL LAVATO	FOOD UNIT	MIKE CHAPMAN
CAL FIRE LMU AA	LANE CALDWELL	7. Operations Section:	
PLUMAS SHERIFF	NICK DAWSON	NIGHT OPS	STEVE WATKINS
QUINCY PFD	ROBBIE CASSOU	DAY OPS	JEFFREY HINSON
CHESTER FPD	JOE WATERMAN	PLANNING OPS	CLINT GOULD
CAL OES	KEN HOOD	STAGING AREA	PATRICIA JOHNSON
CDCR	TAMMY MAINE		
PACIFIC GAS & ELECTRIC	ROB CONE	DIVISION/GROUP	A / D DALE SHIPPELHOUTE
		DIVISION/GROUP	M MIKE MARTINEZ
		DIVISION/GROUP	N JORDAN TOWNSEND
		DIVISION/GROUP	O / Z ROBERT RICE
5. Planning Section:		7b. Air Operations Branch:	
CHIEF	ARTIE COLSON	AIR OPS BRANCH DIRECTOR	ROBERT DELMAS KERRY KOSKELA
DEPUTY	DAVE MARTIN	AIR SUPPORT SUPERVISOR	ROBERT REECE BLAINE COYLE (T)
RESOURCES UNIT	DEREK PARKER ANSLEY SINGER (T)	HELICOPTER COORDINATOR	RAY BLACKBURN
SITUATION UNIT	MARK LEMON; ROBERT VERDIE DEREK PARKER (T)	8. Finance/Administration Section:	
DEMOBILIZATION UNIT	JULIE ROBERTS	CHIEF	JOAN DISNEY
FIRE BEHAVIOR ANALYST	TARO PUSINA	TIME UNIT	TIFFANIE SACHE-SANITI
TRAINING SPECIALIST	DEREK PARKER	COMPENSATION UNIT	BENJAMIN CAZIER
GIS SPECIALIST	LARRY VREDEBURGH DIANE SAVIN-DUKLETH STEPHEN LLOYD		
TECHNOLOGY SUPPORT SPECIALIST	RON WATSON RICK OSUNA		
INCIDENT METEOROLOGIST	JASON CLAPP		
RESOURCE ADVISOR	COURTNEY ROWE		
HUMAN RESOURCE SPECIALIST	FRANCES LINDQUIST		
DOCUMENTATION UNIT	REX CRABTREE		
9. Prepared By:	Name: ANSLEY SINGER	Position/Title: RESL	Signature: 
ICS 203	IAP Page	Date/Time: 08/06/2017 0840	



Minerva 5 Incident Weather Forecast



Forecast Info

FORECAST NO: 13

NAME OF FIRE: Minerva 5

PREDICTION FOR: 1800 - 0600
SHIFT DATE: Sun-Mon, Aug 6-7, 2017

UNIT: CA-PNF
SIGNED: Jason Clapp

TIME AND DATE
FORECAST ISSUED: 1000 Sun 8/6/17

Jason Clapp
Incident Meteorologist
Jason Clapp – 240-778-5296 (call/txt)

***** Showers/Thunderstorms & Erratic Outflow Winds – Monday & Tuesday *****

Weather Discussion: Isolated light shower activity continues this evening, then partly cloudy tonight. Isolated afternoon showers and thunderstorms continue Monday and Tuesday as the upper level disturbance remains over CA. The SW mixing wind/steering flow will likely shift any local thunderstorms to northeast. Ridge winds will shift more easterly overnight the next couple nights.

WEATHER FORECAST for Tonight:

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Partly to mostly cloudy with light shower activity	
Lows	62 – 66 (<i>little change</i>)	59 – 63 (<i>little change</i>)
Max RH	40 – 50% (<i>up 5%</i>)	70 – 80% (<i>little change</i>)
20 ft Winds	SW 8 mph gusting to 15 mph After 2400, NE 4-5 G9 mph	Becoming light downslope After 2100, downcanyon 2-3 mph with gusts 7 mph

Thermal belts: 35 – 45% **Inversion:** Weak..setting up after 2400

WEATHER FORECAST for Monday (8/7): Erratic Outflows from nearby showers/storms

	Ridgetops / Upper Slope (6K ft)	Valleys / Lower Slopes (4K ft)
Weather	Partly cloudy with afternoon cumulus buildups 30% chance isolated thunderstorms afternoon/evening... storms mainly to north and east	
Highs	76 – 80 (<i>up 1 – 2</i>)	84 – 87 (<i>up 1 – 2</i>)
Min RH	30 – 36% (<i>little change</i>)	25 – 30% (<i>little change</i>)
20 ft Winds	E 4 mph gusting to 8 mph. After 1100, SW 7-9 mph G15-18 mph	Light upslope. After 1100, upcanyon/cross-slope 4 mph G8 mph

Inversion: Lifting by 1200

OUTLOOK for Tuesday (8/8): Erratic Outflows from nearby showers/storms

Weather	Partly to mostly cloudy with afternoon cumulus buildups 20% chance isolated thunderstorms afternoon/evening	
Highs/Lows	Ridges: 76 – 80... Valleys: 84 – 87	Lows 55 – 65
Min/Max RH	Min: 25 – 30%	Max: 50-55% ridges, 70-80% valleys
20 ft Winds	Upslope winds 2-4 mph becoming upcanyon 5 mph with afternoon gusts 8 mph. Ridges: Varying SE-NE 4 mph G7... then SW afternoon 7-10 gusting 15 mph.	

Inversion: Lifting by 1200

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 14	TYPE OF FIRE: Wildfire
FIRE NAME: Minerva 5	OPERATIONAL PERIOD: Night 1800 - 0600 , 8/6 - 8/7, 2017
DATE ISSUED: Aug. 6, 2017	TIME ISSUED: 1030
UNIT: Plumas NF, Mt. Hough Ranger District	SIGNED: /s/ <i>Taro Pusina</i> Taro Pusina , FBAN

INPUTS

WEATHER SUMMARY

** See IMET Weather Forecast**

Discussion:

Isolated light showers and thunderstorm activity to continue this evening, then partly cloudy tonight. This pattern expected to continue Monday and Tuesday. SW flow aloft to shift more NE over the next couple of nights.

Weather: Partly to mostly cloudy with light shower activity.

Min Temp: Lower slopes: 59 - 63°, Ridges/upper slopes: 62 - 66°

Max RH: Lower slopes: 70 - 80%, Ridges/upper slopes: 40 - 50%

20' Winds: Lower slopes: Becoming light/downslope; 2 - 3 mph, gusts to 7 mph after 2100. Ridges/upper slopes: SW 8 mph, gusts to 15 mph, becoming NE 4 - 5 mph, gusts to 9 mph after 2400.

***** Watch for Gusty and Erratic Winds near Thunder Cells*****

FIRE BEHAVIOR

GENERAL:

*****Quincy Burning Index is 33 and Energy Release Component is 56*****

Active fire behavior can be expected throughout the night in unburned islands of vegetation near the fireline.

- **Fuels:** A wet winter caused abundant new vegetation growth and there is heavy surface fuel loading. Live and dead mixed conifer and brush vegetation are very dry - 1000 hr. logs are near 10% and live brush is near 100% fuel moisture content. Dense timber, brush and ladder fuels provide an avenue for crownfire initiation.
- **Weather:** Generally, persistent hot and mostly dry weather in addition to an unstable atmosphere and moderate to strong local diurnal winds are conducive for rapid fire spread and intense fire behavior.
- **Topography:** Steep topography - to 100% slope with deep drainages - can channel upslope/updrainage winds during the heat of the day from 1100 - 1900. The elevation range is 4000 - 7000' and all aspects are represented.

SPECIFIC FIRE BEHAVIOR:

- Mostly low to moderate fire behavior expected due to good nighttime RH recovery and cooler temps. Expect smoldering, creeping, flaming and a slight chance of isolated and/or group tree torching. Spotting distances could reach ¼ mi. with 30 - 50% probability of ignition if predicted SW winds surface on the fire. Potential timber headfire flame lengths 1 - 3' with max ROS spread 2 - 6 chains per hour. Expected brush headfire flame lengths are 3' - 5' with rates of spread of 4 - 8 ch./hr. Reduce these numbers roughly in half for flanking and backing fire spread.

DIV's A/D: Majority of DIV's A and D showing very little heat near the line. Watch for smoldering stumpholes.

DIV M: Significant heat remains from firing operation and could flare up and push over the line with downslope/downcanyon winds after dark.

DIV N: Significant heat near line from firing operation; any flareups likely to pull interior with down-slope/canyon winds.

DIV O: Some lingering/scattered heat remains near line; downslope/downcanyon winds should pull any flareups interior.

DIV Z: Any remaining heat near line expected to pull interior with down-slope/canyon winds.

AVIATION



- Weak inversion expected, setting up after 2400.

Sunset 8/6: 2011 hrs. Sunrise 8/7: 0609 hrs.

SAFETY

- **Look up, look down, look around.** You can be easily burned or injured by stepping into smoldering stumpholes that hold long duration, intense heat.

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group: A / D	
2. Operational Period: NIGHT						
Date/Time From: 08/06/2017 1800 SUN		Date/Time To: 08/07/2017 0600 MON				
4. Operations Personnel						
NIGHT OPS		STEVE WATKINS		PLANNING OPS		CLINT GOULD
DIVISION/GROUP SUPERVISOR		DALE SHIPPELHOUTE		STAGING AREA MANAGER		PATRICIA JOHNSON
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG - T3 - KNP 72		08/18	CRISTIAN LOPEZ	5	ICP/1800	ICP/0600
ENG - T6 - RIDGELINE (E-169)		08/17	MICHAEL ANDERSON	3	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Hold and improve firelines.						
Mop up where safe to do so.						
7. Special Instructions:						
Ensure LCES is in place before engaging. Utilize aircraft to aid in control objectives.						
Backhaul excess supplies and trash.						
GPS all lines and turn into Situation unit.						
Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND PRI	3 NIFC C8	169.5375N		164.7125N	T2 - 123.0	A
COMMAND BACKUP	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	A
TACTICAL	7 NIFC TAC 5	166.7250N		166.7250N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16 AIR GUARD	168.6250N		168.6250N	110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
ANSLEY SINGER 			ARTIE COLSON/DAVE MARTIN 		08/06/2017	0800

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group: M	
2. Operational Period: NIGHT						
Date/Time From: 08/06/2017 1800 SUN		Date/Time To: 08/07/2017 0600 MON				
4. Operations Personnel						
NIGHT OPS		STEVE WATKINS		PLANNING OPS		CLINT GOULD
DIVISION/GROUP SUPERVISOR		MICHAEL MARTINEZ		STAGING AREA MANAGER		PATRICIA JOHNSON
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T2IA - PENNSYLVANIA 05		08/17	FRANCIS N CHADICK	20	ICP/1800	ICP/0600
CREW - T2 - MILLER TIMBER (C-32)		08/17	MIKE CAMPANNA	20	ICP/1800	ICP/0600
CREW - T2 - TOM FERY FARM (C-44)		08/17	GLENN SEGAL	20	ICP/1800	ICP/0600
ENG - T3 - S/T OES 2870C		08/13	DONALD LINNEMAN	22	ICP/1800	ICP/0600
ENG - T6 - DOUBLE D (E-198)		08/18	DUANE DEARBORN	3	ICP/1800	ICP/0600
ENG - T6 - NMS 31		08/18	EVAN GRAIN	4	ICP/1800	ICP/0600
ENG - T6 - NMS 51		08/18	JOHN A BLACKMON	3	ICP/1800	ICP/0600
DOZ - T2 - BLM 3182		08/16	RUSSELL THILL	2	ICP/1800	ICP/0600
SOFR		08/16	JAMES WETTSTAED	1	ICP/1800	ICP/0600
MEDIC / FEMT		08/17	JOHNSON / HOFFMAN	2	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Hold and improve firelines. Patrol and mop up identified spot fires.						
7. Special Instructions:						
Ensure LCES is in place before engaging. Utilize aircraft to aid in control objectives. Backhaul excess supplies and trash. GPS all lines and turn into Situation unit. Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	A
TACTICAL	8 NIFC TAC 6	166.7750N		166.7750N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16 AIR GUARD	168.6250N		168.6250N	110.9	A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)			Date	Time
ANSLEY SINGER <i>Ansley Singer</i>		ARTIE COLSON/DAVE MARTIN <i>Artie Colson</i>			08/06/2017	0822

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group: N	
2. Operational Period: NIGHT						
Date/Time From: 08/06/2017 1800 SUN		Date/Time To: 08/07/2017 0600 MON				
4. Operations Personnel						
NIGHT OPS		STEVE WATKINS		PLANNING OPS		
				CLINT GOULD		
DIVISION/GROUP SUPERVISOR		JORDAN TOWNSEND		STAGING AREA MANAGER		
				PATRICIA JOHNSON		
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T1 - S/T 9231G (EVEN)		08/12	CHRIS SAUER	30	ON LINE/1800	ICP/0600
CREW - T2IA - PENNSYLVANIA 06		08/17	DONALD WEIS	20	ICP/1800	ICP/0600
CREW - T2 - INBOUND (C-33)		08/17	JERRY CARGIL	20	ICP/1800	ICP/0600
ENG - T3 - S/T 9212C (EVEN)		08/11	GARRETT NEEDLES	20	ON LINE/1800	ICP/0600
DOZ - T2 - S/T 9151L		08/12	JAKE ROSEBROCK	6	ICP/1800	ICP/0600
SOFR		08/15	NICHOLAS MARTINO	1	ICP/1800	ICP/0600
SOFR (T)		08/15	MICHAEL ZIMMERMAN (T)	1	ICP/1800	ICP/0600
MEDIC		08/18	JUSTIN RIVERA	1	ICP/1800	ICP/0600
MEDIC		08/18	JON BENSELY	1	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Hold and improve firelines.						
Patrol and mop up identified spot fires.						
7. Special Instructions:						
Ensure LCES is in place before engaging. Utilize aircraft to aid in control objectives. Backhaul excess supplies and trash. GPS all lines and turn into Situation Unit. Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	A
TACTICAL	10 TAC 8	171.1125N		171.1125N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16 AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
ANSLEY SINGER <i>Ansley Singer</i>			ARTIE COLSON/DAVE MARTIN <i>Dave Martin</i>		08/06/2017	1030

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
MINERVA 5			Branch:		Division/Group: O/Z	
2. Operational Period: NIGHT						
Date/Time From: 08/06/2017 1800 SUN		Date/Time To: 08/07/2017 0600 MON				
4. Operations Personnel						
NIGHT OPS		STEVE WATKINS		PLANNING OPS		CLINT GOULD
DIVISION/GROUP SUPERVISOR		ROBERT RICE		STAGING AREA MANAGER		PATRICIA JOHNSON
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T1 - S/T 9243G (EVEN)		08/08	KYLE P FERRIS	30	ON LINE/1800	ICP/0600
ENG - T3 - S/T 9148C (EVEN)		08/12	RICARDO RODRIGUEZ	19	ON LINE/1800	ICP/0600
SOFR		08/15	NICK MARTINO	1	ICP/1800	ICP/0600
SOFR (T)		08/15	MICHAEL ZIMMERMAN	1	ICP/1800	ICP/0600
MEDIC		08/18	MARK CASEY	1	ICP/1800	ICP/0600
FEMT		08/18	SILAS W CORDOVA	1	ICP/1800	ICP/0600
6. Control Operations/Work Assignments:						
Hold and improve firelines.						
Patrol and mop up identified spot fires.						
7. Special Instructions:						
To get to the fire and take the 24N20 Road south to the fire. To leave the fire travel north on Forest Road 24N20 to north on the Forest Road 24N28. Head east on Bucks Lake Rd to Highway 70 back to the ICP. Backhaul excess supplies and trash. Red/Black flagging denotes areas of special concern to be avoided. If found contact DIVS and avoid the area.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2 NIFC C2	168.1000N		170.4500N	T2 - 123.0	A
TACTICAL	9 NIFC TAC 7	168.2500N		168.2500N		A
AIR TO GROUND TAC	13	169.2875N		169.2875N		A
AIR TO GROUND CMD	14	167.5500N		167.5500N		A
MEDICAL	15 CALCORD	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A
AIR GUARD	16 AIR GUARD	168.6250N		168.6250N	T1 - 110.9	A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
ANSLEY SINGER <i>Ansley Singer</i>			ARTIE COLSON/DAVE MARTIN <i>Artie Colson</i>		08/06/2017	1030

SNAG/GREEN TREE HAZARDS

Falling SNAGS and GREEN trees kill and injure more wildland firefighters each year. The seriousness of this situation cannot be over-emphasized.

Snag/Green Tree Hazard Checklist

- Hazard tree indicators are present in work area.
- High risk tree species are present in work areas.
- Crews are working in a hazard tree area and the wind is blowing.
- Crews are working in an area where trees have been burning for some time.
- Crewmembers are taking a break in a hazard tree area (staging area, drop points, camps, etc.).
- Lookouts have not been posted in a hazard tree area.
- Winds are increasing or are predicted to increase.
- Tree height within fire perimeter equals or exceeds distance to control line.
- Escape routes pass through hazard tree area.

Rules to Remember:

- Help maintain hazard tree awareness at all times for all firefighters.
- Emphasize standard firefighting orders, and Situations that Shout “Watch Out”.
- Include “SNAG INTELLIGENCE” in all fire suppression discussions and briefings; i.e., expected burn through time, location and marking, areas of snags, additional hazards due to slope, etc.
- Strengthen leadership communications skills for dealing with diverse organizations and crews.
- Be aware of complacency on fires of all sizes during all phases; particularly during non-threatening and uneventful periods.
- Direct and train all firefighters to do their own safety assessments, and encourage all to interact with their supervisors to ensure better safety.

Can you think of a slogan that will help prevent hazard tree accidents?

SNAGS -- STOP, NOTICE, AND GO SAFELY

SNAG SMART – GET SOME.....LOOK UP AND LIVE

INCIDENT SAFETY ANALYSIS 215a

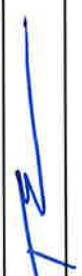
Minerva 5 - Friday, August 04, 2017

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All	Air Operations	<ul style="list-style-type: none"> ~ Follow "Aviation Watch-Out Situations" on page 44, IRPG. ~ Don't plan on air resources for medical transport or resupply. ~ Refer to page 57, IRPG for directing bucket drops. ~ Ensure positive communication with all air resources.
All	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> ~ Maintain 8'-10' spacing when working & walking. ~ Don't work above any personnel. ~ Be on the lookout for rolling rocks, debris, or burning material. ~ Evaluate necessity to send personnel in areas with limited access. ~ Post lookouts (IRPG pg 7).
All	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Use spotters and honk horn when backing. ~ Keep clutter off dash and inside cab, and clean windshields. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts. ~ Always use headlights and obey posted speed limits. ~ Use the 3 second rule for following distance. ~ Use chock blocks, turn wheels into hill. ~ Avoid distractions (eating, cell phones, radio).
All	Hazard Trees	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG pages 22-23. ~ Post lookouts, or use a spotter in mop-up areas with personnel. ~ Don't park vehicles or take breaks in high concentrations of hazard trees. ~ Establish trigger points for disengagement during high wind events. ~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights. ~ Post road guards when appropriate.
All	Firing Operations & Devices	<ul style="list-style-type: none"> ~ Only personnel trained in the use of each device will be authorized to use firing equipment. ~ Ensure all personnel are aware of firing operation that may affect them. ~ Wear appropriate PPE. ~ Ensure aerial/ground ignition plans have been adequately developed and personnel are briefed.
All	Chippers	<ul style="list-style-type: none"> ~ Ensure all employees are briefed on safe work practices and required PPE. ~ Ensure that a JHA is prepared, read, and signed by everyone using the chipper. ~ Always's follow the manufacturer's recommendations for machine safety, operation, and maintenance. ~ Make sure all manufacturer's safety devices and guards are in place, functional and are checked daily. ~ Check material fed into chippers for embedded rocks before the material is placed into the hopper.
All	Indirect Fireline	<ul style="list-style-type: none"> ~ KNOW WHAT YOUR FIRE IS DOING AT ALL TIMES. ~ Post lookouts, identify escape routes and safety zones (IRPG pg. 7). ~ Review "Strategy/Indirect Attack" (IRPG pg. 77). ~ Establish trigger points for disengagement during high wind events.
All	Fatigue & Over Exertion	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Rotate crews out of smoky areas. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Stagger work crews start time to limit fatigue. ~ Use buddy system to monitor personnel of heat related and fatigue issues. ~ Follow work / rest guidelines.
All	Mine Shafts/Hazmat	<ul style="list-style-type: none"> ~ Possible mine shafts in the fire area, stay alert. ~ Do not approach mine shafts, get the Lat/Long and give to your Division Supervisor. ~ Follow "HAZMAT Incident Operations" on pages 34-36 in IRPG.
All	Thunderstorm Safety	<ul style="list-style-type: none"> ~ Follow thunder safety guidelines, IRPG page 21. ~ Monitor daily weather forecast, and plan your day accordingly.
All	Heavy Equipment Operations	<ul style="list-style-type: none"> ~ Ensure communications are established with operators. ~ Use hand signals if other communications are unavailable. ~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber. ~ Use a spotter when backing. ~ Avoid working below heavy equipment.
All	Underground Powerlines	<ul style="list-style-type: none"> ~ No heavy equipment work over identified buried power line areas (See Map). ~ Flag off and GPS any exposed line(s) on the surface.



Don An SUP

Chris H. [Signature] 0562

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name:		2. Date/Time Prepared:		3. Operational Period: NIGHT							
MINERVA 5		Date: 08/06/2017 Time: 0739	Date/Time From: 08/06/2017 1800	SUN	Date/Time To: 08/07/2017 0600	MON					
4. Basic Radio Channel Use:											
Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A,D, or M)	Remarks	
15	1	COMMAND	PNF FIRE ADMIN	BACK UP	171.4250N		163.1625N		A	ZONE 6 (156.7) TONE 8 (103.5)	
15	2	COMMAND	NIFC C2	ALL DIVS	168.1000N		170.4500N	T2 - 123.0	A	LOCATED ON MT HOUGH	
15	3	COMMAND	NIFC C8	DIV A/D	169.5375N		164.7125N	T2 - 123.0	A	LOCATED OFF SILVER LAKE RD	
15	4	COMMAND	OPEN						A	FUTURE USE	
15	5	TACTICAL	NIFC TAC 2	IA ONLY	168.2000N		168.2000N		A		
15	6	TACTICAL	NIFC TAC 3	AVAILABLE	168.6000N		168.6000N		A	REQUEST THROUGH OPS	
15	7	TACTICAL	NIFC TAC 5	DIV A/D	166.7250N		166.7250N		A		
15	8	TACTICAL	NIFC TAC 6	DIV M	166.7750N		166.7750N		A		
15	9	TACTICAL	NIFC TAC 7	DIV O/Z	168.2500N		168.2500N		A		
15	10	TACTICAL	TAC 8	DIV N	171.1125N		171.1125N		A		
15	11	TACTICAL	TAC 9	AVAILABLE	164.7500N		164.7500N		A	REQUEST THROUGH OPS	
15	12	TACTICAL	NIFC TAC 1	AVAILABLE	168.0500N		168.0500N		A	REQUEST THROUGH OPS	
15	13	AIR TO GROUND	A/G TAC	ALL DIVS	169.2875N		169.2875N		A	AIR/GROUND TACTICAL	
15	14	AIR TO GROUND	A/G CMD	ALL DIVS	167.5500N		167.5500N		A	AIR/GROUND COMMAND	
15	15	MEDICAL	CALCORD	ALL DIVS	156.0750N	T6 - 156.7	156.0750N	T6 - 156.7	A	MEDEVAC COORDINATION	
15	16	AIR GUARD	AIR GUARD	ALL DIVS	168.6250N		168.6250N	T1 - 110.9	A	ZONE ON TRANSMIT ONLY - URGENT AIRCRAFT CONTACT	
5. Special Instructions:											
LAST CLONE 8-4-17											
6. Prepared By				Name: TROY VAUGHN				Signature: 			
(Communications Unit Leader)				IAP Page				Date/Time: 08/06/2017 0739			
ICS 205											

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name			2. Operational Period		
Minerva Fire			Date/Time: 8/6/2017 Night 1800-0600		
3. Ambulance Services					
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS)		
Plumas District Ambulance	ICP	530 604-6850	Yes	No	
			X		
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)					
Name	Phone	Type of Aircraft & Capability			
CHP H14 or H16 Redding	Plumas County SO (530) 283-6300	ALS and Day Hoist			
Care Flight	Plumas County SO (530) 283-6300	ALS and Night Ops			
Enloe Flight Care	Plumas County SO (530) 283-6300	ALS and Night Ops			
Auburn H20 or H24	Plumas County SO (530) 283-6300	BLS and Day Hoist			
Washoe County Raven	Washoe County SO (775) 785-4228	BLS and Night Hoist			
5. Hospitals					
Name & Level	GPS Datum - WGS 84 Degrees Decimal Minutes	Travel Time Air Gnd	Phone	Helipad Yes No	Address
Renown Medical Center Level Two Trauma Center	Lat: N 39 31 28.7	30 75 Min	(775) 982-4100	<input checked="" type="checkbox"/>	1155 Mill St. Reno NV.
	Long: W 119 47 44.5				
	VHF: Tx Rx				
Enloe Medical Center Level Two Trauma Center	Lat: N 39 44 53.8	:30 115 Min	(530) 332-7414	<input checked="" type="checkbox"/>	1531 Esplanade Chico Ca. 95926
	Long: W 121 50 94.9				
	VHF: Tx Rx				
UC Davis Firefighters Burn Inst.	Lat: N 38 33 17.5	:70 3.5 Hrs.	(916) 734-3636	<input checked="" type="checkbox"/>	4251 X St. Sacramento Ca. 95817
	Long: W 121 27 19.6				
Plumas District Hospital	Lat: N 39 56 23.6	:5 25 Min.	(530) 283-2121	<input checked="" type="checkbox"/>	1065 Bucks Lake Rd. Quincy Ca. 95971
	Long: W 120 57 42.0				
	VHF:				
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily.					
Crew EMTs & Equipment					
Fireline EMTs & Location Adv. Life Support?					
Air Hoist site/Unimproved landing site: Lat: / Long:					
Helispot: Lat: / Long/ Elevation:					
Alternate, no-fly plan:					
7. Remote Aid Stations					
Point of Contact:		MEDL - Devin Lawrence 661 303-9414			
EMS Responders & Capability:					
Equipment Available on Site:		Medical supplies			
Ambulance ETA :		Air - Ground -			
8. Prepared By (Medical Unit Leader)		9. Date/Time		10. Reviewed By (Safety Officer)	
Devin Lawrence - MEDL 		8/6/2017 1000		Ron Garcia - SOF2 	
				11. Date/Time 8/6/17 1630	

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"

Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: *Provide incident summary and command structure.*

- **Nature of Injury/Illness** *Describe the injury (Ex: Broken leg with bleeding)* _____
- **Incident Name** *Geographic Name + "Medical" (Ex: Trout Meadow Medical)* _____
- **Incident Commander (Division Sup. or designee)** *Name of IC* _____
- **Patient Care** *Name of Care Provider (Ex: EMT Smith)* _____

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report*

- **Number of Patients:** _____ - **Male / Female:** _____ - **Age:** _____ - **Weight:** _____

- **Conscious?** YES NO = MEDEVAC! - **Breathing?** YES NO = MEDEVAC!

- **Mechanism of Injury** *What caused the injury?* _____

- **Location, Lat/Long** (Datum WGS84) *Ex: N 40° 42.45' x W 123° 03.24'* _____

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED <i>Life threatening injury or illness.</i> <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° - 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW <i>Serious injury or illness.</i> <i>Ex: Significant trauma, not able to walk, 2° - 3° burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN <i>Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Route of Convenience.

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

- Helispot Short-haul/Hoist Life Flight Other

Ground Transport:

- Self-Extract Carry-Out Ambulance Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

- Paramedic/EMT(s) SKED/Backboard/C-Collar Crew(s) Burn Supplies Oxygen
- Trauma Bag Medication(s) IV/Fluid(s) Cardiac Monitor/AED
- Other (i.e. splints, rope rescue, wheeled litter)

7. COMMUNICATIONS:

- Run Medical Emergency on Command
- Coordinate with air ambulance on CALCORD tone 6

8. EVACUATION LOCATION:

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* _____
- **Patient's ETA to Evacuation Location:** _____
- **Helispot/Extraction Size and Hazards:** _____

9. CONTINGENCY: *If primary options fall, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...*

REMEMBER: -Confirm ETA's of resources ordered -Act according to your level of training
 - If air or ground ambulance is **DELAYED:** Package and transport patient to rendezvous with incoming Ambulance.
 Re-route EMS helicopter to rendezvous point as appropriate.



Human Resource Message



Leadership

A true leader seeks to make the team stronger by pulling from everyone. A true leader recognizes the value of diversity, because in the end we have more similarities than differences. They understand what a boring human environment we would have if we all looked and thought the same.

Finally, a good leader motivates often, as stated in this quote from Zig Ziglar-

“People often say that motivation doesn’t last. Well, neither does bathing—that’s why we recommend it daily”.

Who is a true leader, we all are!



There are two plastic jugs filled with water. How could you put all of this water into a barrel, without using the jugs or any dividers, and still tell which water came from which jug?

Freeze one jug of water, cut the plastic jug apart, empty the other bottle of water in the barrel; and you can tell the frozen jug of water from the other jug.

Fran Lindquist
HRSP

Minerwa 5 Fire

Training Specialist Message

TRAINEES:

Even though we are still checking in people, if you are leaving please close out with the Training Specialist at the ICP when Demobing

Bring the following to the “exit interview”
Your Taskbook, filled in by your trainer
A completed Performance Evaluation.

Thanks!

Derek Parker, Training Specialist
South Central Sierra IIMT
(916) 316-7388

Suppression Damage Repair Summary from Suppression Repair Plan

Do not cover direct fire line without OPS approval

resources assigned to repair need to read full repair plan; copies available from READs, @ am briefing, & in Clerical

Critical Guidelines

Sensitive Sites are marked with red and black stripped flagging. Do not repair these areas.

Claremont Peak to East Peak OHV trail system has additional repair guidelines; see repair plan and confer with READ before commencing repairs.

Water bars for Fire line

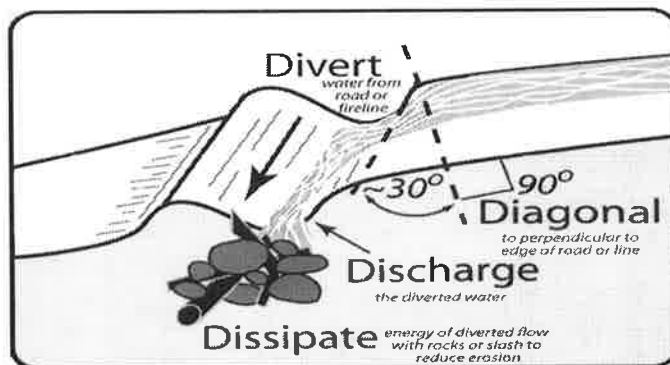
- **SPACING GUIDELINES:** if slopes are too steep for safe implementation, then water bars should not be constructed.

Fire line Gradient (% slope)	Distance Between Water bars (feet)
1-5	200
6-20	125
21-40	60
41-60	40
>60	25

- **DEPTH AND WIDTH:** Water bars need to be cut into surface, do not simply push up soil.

Line Type	Depth	Width
Dozer	6 inches	18-24 inches
Hand	4 inches	8-12 inches

- **MINIMUM LENGTH:** Water bars need to extent at least 3 feet beyond the fireline. Drain into unburned vegetation or rocks, where feasible. Be sure soil does not block outlet.



Berms: Pull berms back onto firelines. Avoid channeling water.

Brush / stash piles:

- break up piles and scatter over line or dozer-widened areas
- along roadsides, trails and among structures, brush will be chipped & spread (do not exceed 6")

Roads:

- Grade and water roads rutted, wash-boarded or powdered out during suppression.
- Road sides widened by dozers should be graded to natural grade & covered with stash (>50%). Do not side cast into drainages.
- Where directed, close all roads opened during suppression.

Areas where fire line intersects roads / trails:

- install barriers (e.g. logs, rocks, stacked stash) & cover with stash (>50%) sufficient to prevent vehicle access (~100 feet long).
- See additional requirements for Claremont Peak area.

Drafting Sites: Remove any dams, dikes, or other impoundments created during suppression. Repair to condition resembling pre-suppression use.

Helispots, Safety Zone, Spike Camp, and Staging Areas: Repair to standard similar to fireline repair (remove berms; disperse slash; install barriers, where appropriate, place water bars, where appropriate).

Back Haul: remove all trash, supplies and equipment used in suppression, except where directed to keep in place in turnback standards

SLEEPER UNIT

MINERVA 5 BASE CAMP

BREAKFAST: 0430-1000
DINNER: 1700 - 2200
SHOWERS: 0500 - 2300
LAUNDRY: 0600 - 2200

OVERHEAD SLEEPING



ICP



BRIEFING

SHOWERS

OVERHEAD PARKING

KITCHEN

CREW PARKING

N. MILLCREEK RD

TRILOGY

EXIT

CREW PARKING

SUPPLY

EXIT

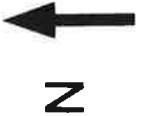
CREW SLEEPING

LUNCH
DRINKS
ICE

SHOWERS

LAUNDRY

CREW PARKING



GROUND SUPPORT
FUEL
WEED WASH

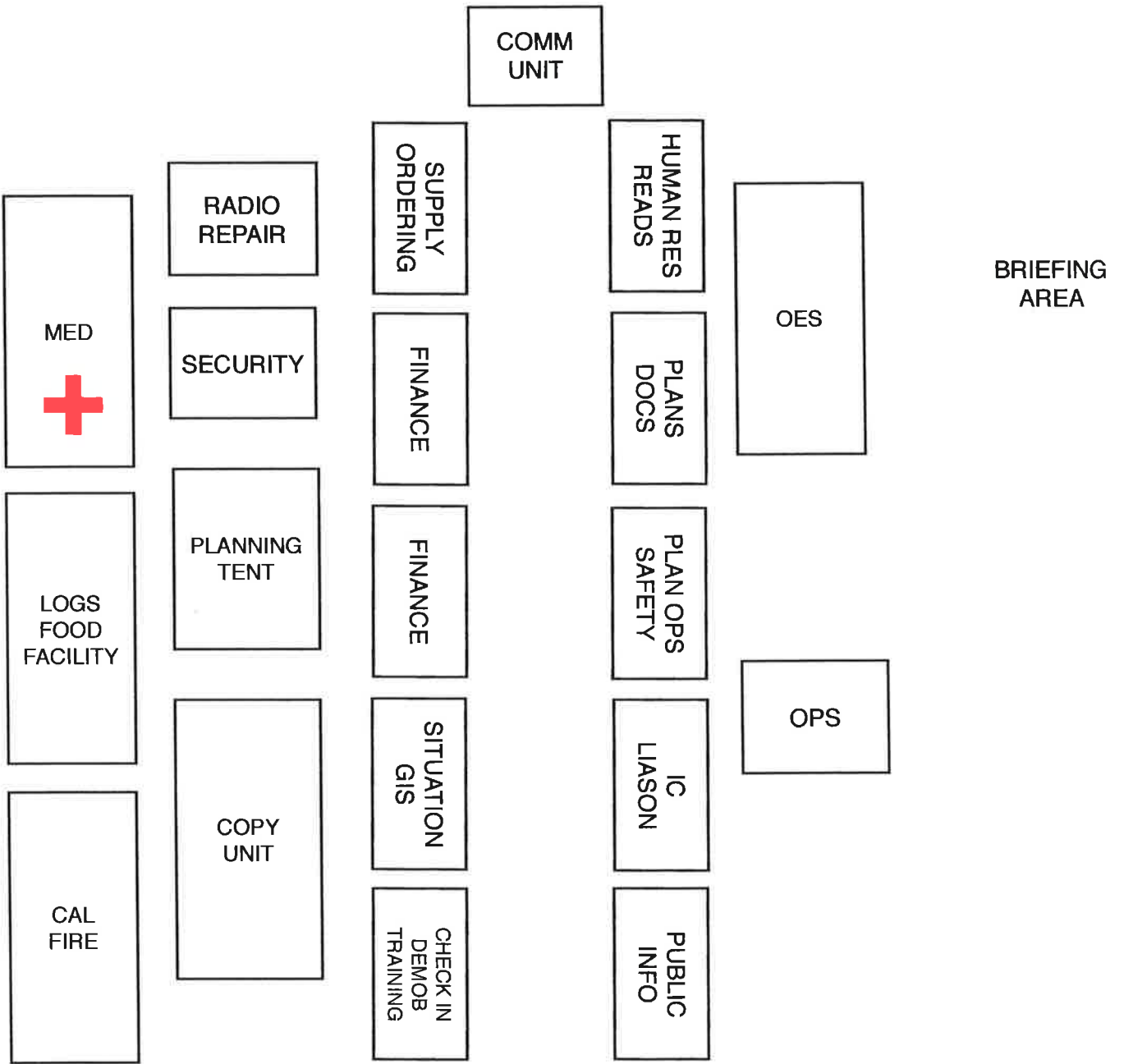
ENTRANCE

ONE WAY

CDCR

ONE WAY

ICP MAP



QR Codes



Weather Observations



Minerva 5 IAP Map



Minerva Fire Ops Map



Minerva Fire Briefing Map



Minerva Fire Planning Map

