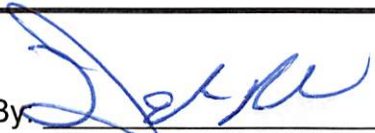


CAL FIRE Butte Unit
Policies and Procedures



Approved By: 

Darren Read, Unit Chief

Approval Date: **September 1, 2017**

Subject: **1700 Health and Safety**
Specific Subject: **1700.003 Personal Protective Equipment**

Original Policy Date: **June 2017**
Revision Date: **N/A**

POLICY:

Personnel in the Butte Unit will wear the appropriate Personal Protective Equipment (PPE) for any incident. In some instances, it may be necessary to blend different types of PPE for the maximum protection. For example, traffic Collision responses require the use of the protective turnout ensemble, and blood borne pathogen protection on every response.

Butte Unit employees and volunteers will wear only safety gear approved by the Unit Chief.

PROCEDURE:

Required protective ensembles will be:

- Hazardous Materials Incidents – Protective Turnout Ensemble with appropriate respiratory protection
- Structural Fires / Refuse Fires / Alarm Sounding – Protective Turnout Ensemble with appropriate respiratory protection
 - Never use turnouts on incidents on or near water
- Traffic Collision – Protective Turnout Ensemble, with blood borne pathogen protection, and ANSI vest where appropriate
- Response to Violent Incidents – Ballistic Protective Equipment with blood borne pathogen protection
- Wildland Fires – Wildland fire ensemble
- Technical Rescues – Helmet and gloves
- Swiftwater Rescue – Within 10' of water, Type V PFD with helmet
 - Never use Turnouts on incidents in the Water

The protective ensembles will consist of:

Incidents involving blood borne pathogens

When initiating patient contact on any medical emergency, career firefighters and volunteers will wear at a minimum:

- Latex or Nitrile Gloves (HB Sec 1852, 1854)

When making patient contact, career firefighters and volunteers will have the following personal protective equipment readily available for use if the situation warrants:

- Safety Glasses (HB Sec 1852, 1854)
- P100 protective mask (CCR T8)
- Pocket Mask or other ventilation device (HB Sec 1854)
- Complete BBP gown (HB Sec 1854)

Ultimately, it will be the Company Officer's discretion if responders need to don the entire BBP ensemble, based upon patient presentation and healthcare provider exposure risks.*

HB 1854 - Work Practices Specific to Fire and Emergency Medical Services

Personal Protective Equipment

If the chances of being exposed to blood or other potentially infectious body fluids or substances is high (e.g., CPR, IV insertion, trauma, delivering babies), the worker shall put on protective clothing and equipment before beginning patient care.

Gloves - Disposable gloves shall be a standard component of emergency response equipment and shall be put on by all personnel prior to initiating any emergency patient care tasks involving exposure to blood or other potentially infectious body fluids or substances to which universal precautions apply.

Masks, Eyewear, and Gowns - Masks, eyewear, and gowns shall be present on all emergency vehicles that respond to or could potentially respond to medical emergencies or victim rescues. These protective barriers shall be used in accordance with the level of exposure encountered. Minor lacerations or small amounts of blood or other potentially infectious body fluids or substances do not merit the same extent of barrier use as required for exsanguinating victims or massive arterial bleeding. Management of the patient who is not bleeding, and who has no blood or other potentially infectious body fluids or substances present, should not routinely require use of barrier precautions.

Facial protection shall be worn whenever there is a chance of body fluids spraying or splashing in the rescuer's eyes, nose or mouth. Masks, in conjunction with eye protection, such as goggles and safety glasses with solid side protection, or chin length face shields are considered appropriate.

*Reference the 1700/1800 Exhibits for complete policy language

Ballistic Protection Equipment

- Department issued Level IIIA ballistic vest, with the attached rapid response EMS pack, as well as the department provided Level IIIA ballistic helmet.
- ANSI approved eye protection will always be worn.
- The type of long sleeve protection to be worn under the BPE must be based on fire, chemical, or blood-borne hazards presented.
- Blood Borne Pathogen protection will be used if there is a possibility of patient contact.
- Hearing protection is recommended if there is a noise exposure from audible alarms

Structure Protective Turnout Ensemble

Type and Model

- *Outer shell and liners will meet or exceed CAL FIRE minimum specifications.
- Globe G-XCEL
- Globe G-XTREME
- Lion/Janesville SUPER DELUX

Department and Name Identification

- “CAL FIRE” with 2 ¾” lime yellow reflective letters at shoulder height on rear of jacket for CAL FIRE employees.
- “BUTTE COUNTY” with 2 ¾” lime yellow reflective letters at shoulder height on rear of jacket for Butte County volunteers.
- Employee’s name will be 2 ¾” lime yellow reflective letters on a 3 ¼” patch attached to the rear/bottom of the jacket.

Gloves

- Shelby 5228
- ProTech 8 Fusion
- Dragon Fire

Boots

Steel-toed and innersole turnout boots (Third Party Certified to NFPA 1971)

Structural Hood

Nomex Hoods (PBI with Lenzing)

High Visibility Vest

- Class 2 or Class 3 ANSI 107/207 Red/Lime Yellow/Silver- With “CAL FIRE” (Stack/Stager) on back of vest for CAL FIRE personnel
- Class 2 or Class 3 ANSI 107/207 Red/Lime Yellow/Silver- With “BUTTE CO FIRE” (Stack/Stager) on back of vest for Butte County Fire personnel

Structure Helmet

Helmet Type and Model

The Phenix Technologies First Due 1500-2000 Structure helmet.

The helmet is to be equipped with the following standard features:

- Deluxe ratchet style suspension with foam impact ring
- Nomex chinstrap with postman slide
- Paulson ATAC NFPA structural firefighting approved goggles with half strap attachment system is optional.
 - If goggles are not attached to the helmet, personnel shall have ANSI rated safety glasses immediately available for eye protection when required per policy.
- Detachable Nomex double layered structure (6”) shroud
- Factory installed Phenix front bracket for attachment of leather shield

Helmet Colors -Specific ranks will wear a designated helmet color.

Career Employees

- FF1, FF2, FAE, FLO, HEM, FPS1, FPS2, PIO – Yellow Helmet
- FC, HFEO – Red Helmet
- Chief Officer, For1, For2, FEM1 – White Helmet

Volunteers

- Support, EMS, Full Responders, Operators, Engineers, Lieutenant – Yellow Helmet
- Captain – Red Helmet

Fire Explorers

- Fire Explorers – Black Helmet

Reflective Leather Identification System

Reflective, leather panels will be placed on each side of the structural helmet. These numbers will be centered on each side of the helmet. See instruction sheet for exact placement.

All ranks and apparatus identifiers will have Black reflective letters and numbers on a white leather background.

Career Employees

The numbers on the leather panels will reflect the apparatus or equipment the employee is assigned to.

For staff personnel assigned an identifier, a letter representing their position followed by one or two numbers representing the employee's identifier will be denoted on the leather panels.

Volunteers

The numbers on the leather panels will reflect the apparatus or equipment the employee is assigned to.

If the employee is not assigned to apparatus and responds in their personal vehicle, the leather panel will reflect the volunteer fire company identifier (example: 64).

CAL FIRE and BUTTE CO FIRE Reflective Rockers

Reflective, adhesive rockers will be placed on each side of the Phenix helmet. The rockers will be white with red lettering spelling CAL FIRE or BUTTE CO FIRE. The rockers will be centered on each side of the helmet above the identifying numbers. See instruction sheet for exact placement.

The reflective rockers, in conjunction with the reflective identifiers will replace the factory applied reflective strips on each side.

Career Employees

The rockers on career employee helmets will say: CAL FIRE

Volunteers

The rockers on volunteer employee helmets will say: BUTTE CO FIRE

Name Identification

The last name of the employee shall be placed on the rear brim of the helmet. 1" 3M black reflective type letters will be used. See instruction sheet for exact placement.

Only issued stickers will be allowed. All letters will be black regardless of rank.

Glo-Flex or 3M American Flag Decal

An optional reflective American Flag decal can be placed on the rear of the helmet, centered directly above the last name. This flag must be no bigger than 2" by 3" and must be of GLO-FLEX or 3M reflective material as it replaces the standard reflective stripe on the back of the helmet. See instruction sheet for exact placement.

Leather Front Shield

An approved leather shield will be affixed to the front of the structure helmet. The only approved shield is the DE Williams 5" LA short shield (style LS3 with 1.75" medallion).

The shield will be attached to the mounting bracket already installed on the Phenix First Due 1500-2000 structure helmet.

See instruction sheet for exact mounting location and instructions.

This shield will be provided by the department. Employees and volunteers wishing to keep their leather shield may order a new replacement shield from the below vendor.

Details and order forms on the approved leather shields are available from the Biggs Fire Station.

D. E. Williams Shields
4439 El Paso Road South
Bullhead City, Arizona 86429

(928) 754-1922

<http://www.dewilliamsshields.com/sha/shields.htm>

NO ADDITIONAL DECALS, MARKINGS, ADHESIVE STICKERS OR MODIFICATIONS OF ANY KIND ARE ALLOWED TO THE STRUCTURE HELMET.

Wildland Protective Ensemble

Type and Model

*Will meet or exceed CAL FIRE minimum specifications.

Prison Industries Authority: First Defense Garment

- CrewBoss:
 - Pant Model-CDP0122
 - Jacket Model-CFC0122

Department and Name Identification

- CAL FIRE Nomex will meet department standards.
- "BUTTE COUNTY Fire" with red letters at shoulder height on rear of jacket for Butte County volunteers.

Gloves

Prison Industries Authority / Style 342600
Shelby 5226 / 5227
ProTech 8 WILDLAND
or (Glove Third Party certified to NFPA 1977)

Webgear

Wolfpack: LPH-CB-1201-BK

True North: Spyder Gear

Mystery Ranch

(All Black, with hydration system attached)

Fire Shelter

New Generation Fire Shelter

Wildland Helmet

Helmet Type and Model

The Bullard 911 full brim wildland firefighting helmet is the only approved wildland helmet.

This helmet is to be equipped with the following standard features:

- Ratchet style suspension
- Heavy duty chinstrap with postman slide
- Goggles must be either Paulson ATAC goggle with nose cup and full rubber strap, ESS FIREPRO 1977 FS or ESS STRIKETEAM XTO.
- CAL FIRE approved double layer wildland shroud (Antelope Camp product)

Helmet Colors

Specific ranks will wear a specific helmet color.

Career Employees

- FF1, FF2, FAE, FLO, HEM, FPS1, FPS2 – Yellow Helmet
 - FAE Helmets will have 2 reflective red strips (1"x4") centered on top of the helmets between the "ribs".
- FC, HFEO – Red Helmet
- Chief Officer, For1, For2, FEM1 – White Helmet

Volunteers

- Support, EMS, Full Responders, Operators, Engineers, Lieutenant – Yellow Helmet
- Captain – Red Helmet

Fire Explorers

- Fire Explorers – Black Helmet

Reflective Helmet Numbers

Reflective, helmet numbers will be placed on each side of the wildland helmet. These numbers will be centered on each side of the helmet. See instruction sheet for exact placement.

All ranks and identifiers will have Black reflective letters and numbers.

Career Employees

The numbers on helmet will reflect the station number the employee is assigned to.

For staff personnel assigned an identifier, a letter representing their position followed by one or two numbers representing the employee's identifier will be denoted on the helmet.

Volunteers

The numbers on the helmet will reflect the volunteer fire company the employee is assigned to.

CAL FIRE and BUTTE CO FIRE Reflective Rockers

Reflective, adhesive rockers will be placed on each side of the wildland helmet. The rockers will be white with red lettering spelling CAL FIRE or BUTTE CO FIRE. The rockers will be centered on each side of the helmet above the identifying numbers. See instruction sheet for exact placement.

The reflective rockers, in conjunction with the reflective identifiers will replace the factory applied reflective strips on each side.

Career Employees

The rockers on career employee helmets will say: CAL FIRE

Volunteers

The rockers on volunteer employee helmets will say: BUTTE CO FIRE

Name Identification

The last name of the employee shall be placed on the rear of the helmet. 1" 3M black reflective type letters will be used. See instruction sheet for exact placement.

Only issued stickers will be allowed. All letters will be black regardless of rank.

CAL FIRE or Butte County Fire Department Decal on Front of Helmet

A standard CAL FIRE or Butte County Fire Department decal will be placed on the front of each wildland helmet. See instruction sheet for exact placement.

Career Employees

The CAL FIRE decal will be used on career employee helmets.

Volunteers

The Butte County Fire Department decal will be used on volunteer employee helmets.

NO ADDITIONAL DECALS, MARKINGS, ADHESIVE STICKERS OR MODIFICATIONS OF ANY KIND ARE ALLOWED TO THE WILDLAND HELMET.