



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT

TOPIC: Mobile Equipment Warning Devices

TIME FRAME: :15

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: Given a written quiz

Behavior: The student will be able to identify and describe each device and give examples of when each device should be used.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- Engine with Code 3 equipment
- Student Warning Device Check-off list
- Red pen
- Appropriate audio visual aids
- Audio visual equipment

REFERENCES:

- CAL FIRE, Mobile Equipment Management Procedures Handbook, (6781) and (6840)
- California Vehicle Code

PREPARATION:

Every emergency vehicle has certain warning devices that are used to clear traffic and prevent accidents. These devices are designed to be recognized by audio (horns, sirens) and visual (lights) senses. To be effective, these have to be used in the proper manner and at the proper times. If used inappropriately, the likelihood of causing an accident increases dramatically.



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT
WARNING DEVICES

PRESENTATION	APPLICATION
<ul style="list-style-type: none">a. May also include a separate rear facing amber "arrow stick"2. Can be used instead of rotating red when responding code 3 and you want to allow traffic to pass you<ul style="list-style-type: none">a. Freeway drivingb. Uphill grades3. Can be operated separately as a roadside warning deviceE. Emergency flashers (4-way)<ul style="list-style-type: none">1. Cautionary lights to be used as a roadside warning deviceF. "Wig-Wag" headlights<ul style="list-style-type: none">1. Flashes high beam lights on and off on alternate sides<ul style="list-style-type: none">a. May activate automatically with "code three" light operation or have separate switchb. Most "Wig Wags" can be deactivated with head lights on, high beams activated2. Used to attract attention during "code 3" response	
<p>II. WARNING DEVICES - AUDIO</p> <ul style="list-style-type: none">A. Siren (Mechanical Or Electronic)	<p>Point out different siren activation options</p>



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT
WARNING DEVICES

PRESENTATION	APPLICATION
<ul style="list-style-type: none">1. Used when responding "code 3"2. Must use variable pitch<ul style="list-style-type: none">a. More effective due to larger range of tonesb. Should not be used when Code 3 vehicle cannot keep up with flow of traffic3. Electronic siren has other options. Most common are:<ul style="list-style-type: none">a. High-lowb. "Yelp"c. Variable pitch (Wail)B. Backup alarm<ul style="list-style-type: none">1. Not substitute for horn signal prior to backing2. Electronic<ul style="list-style-type: none">a. Activated when transmission is put in reverse3. Mechanical<ul style="list-style-type: none">a. Bell or horn that is activated when driveline or rear tires turn backward is not authorized for CAL FIRE vehiclesb. Fix-n-fax #13C. Horns<ul style="list-style-type: none">1. Regular<ul style="list-style-type: none">a. Used for normal warning during routine traffic2. Air horn or electronic horn	



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT
WARNING DEVICES

PRESENTATION	APPLICATION
<ul style="list-style-type: none">a. Used as warning, usually when more urgentb. When approaching an intersection while responding "code 3"<ul style="list-style-type: none">c. Air or electronic horn use should not drown out siren<ul style="list-style-type: none">(1) Short blast only - not a legal "code 3" warning device3. Standard horn signals<ul style="list-style-type: none">a. One honk<ul style="list-style-type: none">(1) By crew member - Stopb. Two honks<ul style="list-style-type: none">(1) By operator - I am moving forward(2) By crew member - move forwardc. Three honks<ul style="list-style-type: none">(1) By operator - I am moving backwards(2) By crew member - move backwardsD. Public Address (P. A.) System<ul style="list-style-type: none">1. Used to warn or communicate with firefighters and/or public <p>III. SAFETY</p> <ul style="list-style-type: none">A. Limit Use of Sirens or Loud Horns Near:	<p>Point out different horn activation switches</p>



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT
WARNING DEVICES

PRESENTATION	APPLICATION
<ul style="list-style-type: none">1. Hospitals2. Poultry ranches3. Horses4. Animals in trailers <p>B. Do Not "Sneak Up" on other traffic and then suddenly sound sirens or horns</p> <ul style="list-style-type: none">1. Can create panic stops or other unpredictable behavior	



FIRE PROTECTION TRAINING

Procedures Handbook 4300

MOBILE EQUIPMENT
WARNING DEVICES

SUMMARY:

The use of emergency signaling devices is required while responding "Code 3" to emergencies. Each device has a special function and it is critical to know when each device should be utilized.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).