

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

FIREFIGHTER II STANDARDS

- 2-1 General
- 2-1.1* The Firefighter shall demonstrate an awareness of the Affirmative Action Plan, Employee Discrimination Complaint Procedure, Sexual Harassment, and other employee rights.
- 2-1.2* The Firefighter shall demonstrate an awareness of the resource material available in station library.
- 2-1.3* The Firefighter shall identify the stages of grieving and describe methods and resources available to reduce the stressful condition created by encountered death and/or living with the dying.
- 2-1.4* The Firefighter shall describe the District policy and procedure for the voluntary/mandatory physical fitness program.
- 2-1.5* The Firefighter shall demonstrate an awareness of the Company Training Schedule and its relationship to District goals and objectives.
- 2-2 Forcible Entry
- 2-2.1 The Firefighter shall identify materials and construction features of doors, windows, roofs, floors, and vertical barriers found in the area; and shall also identify the danger indicators that are associated with each in an emergency situation.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-2.2 The Firefighter shall describe the method and procedure of forcible entry through any door, window, ceiling, roof, floor, or vertical barrier found in the area.
- 2-3 Self-Contained Breathing Apparatus
- 2-3.1 The Firefighter shall identify the procedure for daily inspection and maintenance of breathing apparatus.
- 2-3.2* The Firefighter shall describe the process whereby an air cylinder low on air and is returned fully charged.
- 2-3.3 The Firefighter shall describe techniques to use in the following situations:
- a. air loss due to damage of the regulator seal on mask
 - b. inaccurate gauge readings
 - c. crimping of the breathing tube
 - d. total depletion of air supply
 - e. failure to obtain air upon initial donning
- 2-4 Emergency Medical Care
- 2-4.1 The Firefighter shall identify four sources from which information might be gathered pertaining to the nature of an accident victim's injuries.
- 2-4.2 The Firefighter, given specific situations, shall identify what injuries might be suspected from observation of the injury-producing mechanisms, in addition to those injuries that are obvious.
- 2-4.3 The Firefighter, given a victim, shall conduct a secondary survey in order to determine injuries that may not be obvious on the primary survey. An example would be fluid from the ears, depressions of the skull, or spasm or tenderness in the abdomen.
- 2-4.4 The Firefighter shall identify the signs and symptoms of internal bleeding.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-4.5 The Firefighter shall demonstrate emergency care for a person with known or suspected internal bleeding.
- 2-4.6 The Firefighter shall list the classes of thermal burns according to severity, and shall also describe the physical characteristics and appropriate treatment for each class.
- 2-4.7 The Firefighter, given a specified situation, shall demonstrate the emergency care procedure indicated and shall explain the significance of each step.
- 2-4.8 The Firefighter shall identify the emergency care for chemical burns, including chemical burns of the eyes.
- 2-4.9 The Firefighter shall identify the types of fractures and describe the differences.
- 2-4.10 The Firefighter shall identify three general signs and symptoms of fractures.
- 2-4.11 The Firefighter, given an identified fracture, shall demonstrate the emergency care necessary to transport the victim.
- 2-4.12 The Firefighter shall demonstrate and explain the anatomical process of breathing.
- 2-4.13 The Firefighter shall demonstrate the heart-lung-brain relationship as it affects life and shall explain what occurs when an airway obstruction is not corrected.
- 2-4.14 The Firefighter shall identify signs/symptoms and the emergency care of traumatic shock.
- 2-4.15* The Firefighter shall describe the policy and procedure for a suspected contagious disease contact.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-5 Rope
- 2-5.1 The Firefighter, when given a simulated firefighting or rescue task, shall select the appropriate type, size, strength and length rope for the task.
- 2-5.2 The Firefighter shall demonstrate the use of rope, using approved knots and hitches, to tie ladders, hose, and other equipment so as to secure them to immovable objects.
- 2-5.3 The Firefighter shall select and tie a rope between two objects at least 15 feet apart, using an approved hitch or knot that will support the weight of a Firefighter on the rope.
- 2-5.4 The Firefighter shall describe the proper method for inspecting and cleaning District rope.
- 2-6 Salvage
- 2-6.1 The Firefighter, given salvage equipment and operating as the leading member of a team, shall demonstrate the construction and use of a water catchall.
- 2-6.2 The Firefighter, given salvage equipment and operating as the leading member of a team, shall demonstrate the construction and use of a water chute.
- 2-6.3 The Firefighter, given salvage equipment (except salvage covers), shall demonstrate the removal of debris and removal and routing of water from a structure.
- 2-6.4 The Firefighter shall describe Fire District actions to cover or close openings made during firefighting operations.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-7 Fire Hose, Nozzles, and Appliances
- 2-7.1 The Firefighter shall identify, select, and demonstrate the use of any nozzle.
- 2-7.2 The Firefighter shall demonstrate all hand hose lays.
- 2-7.3 The Firefighter shall demonstrate inspection and maintenance of fire hose, couplings, and nozzles, and recommend replacement or repair as needed.
- 2-7.4 The Firefighter shall demonstrate hydrant engine and watertender to pumper hose connections.
- 2-7.5 The Firefighter shall identify adapters and appliances to be used in a specific fireground situation.
- 2.8 Fire Streams
- 2-8.1* The Firefighter, given five fireground situations, shall identify and construct the proper adapters or appliances.
- 2-8.2 The Firefighter shall identify and describe foam-making appliances and shall demonstrate a foam stream.
- 2-8.3* The Firefighter shall identify the tip sizes available and the respective GPM flow associated with each.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-8.4* The Firefighter shall describe the proper set-up of an attic nozzle and the GPM flow associated with it.
- 2-8.5 The Firefighter shall identify, assemble, and describe those items required to develop three types of fire streams and shall demonstrate each.
- 2-9 Ladders
- 2-9.1 The Firefighter shall identify the materials used in ladder construction.
- 2-9.2 The Firefighter shall identify the load safety features of all ground ladders.
- 2-9.3 The Firefighter shall demonstrate inspection, care, and maintenance techniques for all different types of ground ladders.
- 2-9.4* The Firefighter shall describe two situations where ladders can be safely used as improvised equipment.
- 2-10 Ventilation
- 2-10.1 The Firefighter shall demonstrate the use of different types of power saws.
- 2-10.2 The Firefighter shall identify the different types of roofs, demonstrate the techniques used to ventilate each type, and identify the necessary precautions.
- 2-10.3 The Firefighter shall demonstrate how to determine the size of an opening for ventilation, how to locate these openings, and identify and explain the precautions to be taken during ventilation.
- 2-10.4 The Firefighter shall describe the removal of skylights, scuttle covers, and other covers of rooftops.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-10.5* The Firefighter shall demonstrate the following ventilation cuts:
- a. kerf
 - b. inspection
 - c. center rafter
 - d. dicing
 - e. pull back
- 2-11 Inspection
- 2-11.1 The Firefighter shall prepare diagrams or sketches to record the locations of items of concern during pre-fire (Target Hazard) planning operations.
- 2-11.2 The Firefighter shall identify school fire drill procedures and policies.
- 2-11.3 The Firefighter shall describe life safety programs for the home. The Firefighter should explain “OPERATION EDITH” (Exit Drills in the Home), giving its goals and objectives, and identify other such recognized Public Education Programs.
- 2-11.4 The Firefighter shall identify common fire hazards and make recommendations for their correction (according to the Fire Prevention Manual and Fire Prevention Code) for the following occupancies:
- a. Businesses
 - b. Residential
 - c. Educational
- 2-11.5* The Firefighter, asked questions from local ordinances and regulations which govern fire prevention and protection relating to Fire District activities, shall state the interpretation and intent of the law as it applies to that situation.
- 2-12 Rescue
- 2-12.1 The Firefighter shall describe the techniques of removing debris, rubble, and other materials found at a cave-in.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-12.2 The Firefighter shall identify dangers of search and rescue missions in tunnels, caves, construction sites, and other hazardous areas.
- 2-12.3 The Firefighter, given standard equipment and operating as a member of a team, shall demonstrate the extrication of a victim from a vehicle accident.
- 2-12.4 The Firefighter, given the necessary equipment, shall tie the proper rescue knots in order to raise or lower a victim from an elevated position or over an embankment utilizing the stokes basket.
- 2-13 Sprinklers
- 2-13.1 The Firefighter shall identify the value of automatic sprinklers in providing safety to life of occupants in a structure.
- 2-13.2 The Firefighter shall identify and explain the dangers of premature closure of sprinkler main control valve, and of using hydrants to supply hose streams when the same water system is supplying the automatic sprinkler system.
- 2-13.3* The Firefighter shall demonstrate the technique and state the policy regarding company annual inspections of sprinkler and standpipe systems.
- 2-13.4 The Firefighter shall identify the difference between an automatic sprinkler system that affords complete coverage and a partial sprinkler system.
- 2-13.5 The Firefighter shall identify at least three sources of water for supply to an automatic sprinkler system.
- 2-13.6 The Firefighter shall identify the following:
- a. wet sprinkler system
 - b. dry sprinkler system
 - c. deluge sprinkler system

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-13.7 The Firefighter shall describe how to remove a head from a sprinkler system and identify the marking system so as to be able to replace it with a head of the same type.
- 2-14 Fire Alarm and Communications
- 2-14.1 The Firefighter shall identify areas assigned for first and second-in alarm response.
- 2-14.2 The Firefighter shall demonstrate proper use of both mobile and portable radio equipment.
- 2-14.3 The Firefighter shall demonstrate arrival and situation reports over Fire District radios.
- 2-14.4 The Firefighter shall identify alarm equipment provided in the fire station and the prescribed action to be taken upon receipt of designated signals.
- 2-14.5 The Firefighter shall identify fire location annunciator panel provided to direct Firefighters to specific locations in protected public or private properties.
- 2-14.6* The Firefighter shall describe the names of the individuals in the chain-of-command, equipment assigned, and special situations within the work schedule assigned.
- 2-15 Safety
- 2-15.1* The Firefighter shall describe and demonstrate proper lifting techniques.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-15.2* The Firefighter shall state the District mandatory SCBA mask rule and describe situations where it would apply.
- 2-15.3* The Firefighter shall identify the four routes by which chemical poisoning can occur and the recognized methods for self-protection from these.
- 2-15.4* The Firefighter shall describe the dangers associated with a radiological incident and identify the three key factors in protecting the Firefighter from radiation exposure.
- 2-15.5* The Firefighter shall identify the commonly recognized risk factors associated with heart disease.
- 2-15.6* The Firefighter shall describe principles of stress management and state how these can be applied to better cope with the working environment.
- 2-16 Fire Behavior
- 2-16.1 The Firefighter shall define the following units of heat measurement:
- a. British Thermal Unit (BTU)
 - b. Fahrenheit (F)
 - c. Celsius (C)
 - d. Calorie (C)
- 2-16.2 The Firefighter shall define thermal balance and imbalance.
- 2-16.3* The Firefighter shall describe common fire suppression agents.
- 2-16.4* The Firefighter shall identify the effects of fire and fire control operations on structural materials.
- 2-16.5* The Firefighter shall identify the effects of fire and fire control operations on various common commodities. Examples include: gasoline, baled paper, lumber piles, plastics, charcoal, acetylene, propane, natural gas, pressurized gas cylinders, explosives, and poisons.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-16.6* The Firefighter shall identify fire control characteristics of building construction.
- 2-17 Overhaul
- 2-17.1 The Firefighter shall describe the procedures for overhaul of a building, car, etc., and their contents.
- 2-17.2 The Firefighter shall identify the safety precautions necessary during overhaul.
- 2-18 Portable Extinguishers
- 2-18.1* The Firefighter shall describe the proper method of inspecting and maintaining portable fire extinguishers.
- 2-18.2* The Firefighter shall state the procedure for obtaining a fully charged extinguisher in place of a discharged one.
- 2-18.3 The Firefighter, given a group of different extinguishers, shall demonstrate the appropriate extinguishers for the various classes of fire. (The intent of this objective is for the Firefighter to make a discriminating selection from different types of extinguishers and to know why a Type A extinguisher may not be effective on a Type B fire, or Type B extinguisher may not be too effective on a Type A fire.)
- 2-19 Water Supplies
- 2-19.1 The Firefighter shall demonstrate knowledge of the water supplies within the district when using a map. He/she should know the primary and alternate sources of water, the water storage that creates pressure to the system.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-20 Hydraulics
- 2-20.1* The Firefighter shall identify and describe the three recognized types of pressure.
- 2-20.2* The Firefighter, given a pumping problem, shall state the rule and solve the problem for figuring out how many more like lines a hydrant shall supply.
- 2-20.3* The Firefighter shall identify the standard nozzle pressure to start with given the following:
- a. all handlines
 - b. master stream
 - 1. smooth bore
 - 2. fog nozzle
- 2-20.4* The Firefighter shall identify formulas used for figuring out fireground hydraulic problems.
- 2-20.5* The Firefighter shall describe the set-up procedures and identify the following for a foam eductor operation.
- a. engine pressure
 - b. hose length
 - c. educator setting
 - 1. hydrocarbon based product
 - 2. polar based product
 - d. nozzle setting (GPM)
- 2-20.6* The Firefighter shall identify the minimal residual pressure which must be maintained on the compound gauge while pumping.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-20.7* The Firefighter shall identify and describe the six recognized fluid principles of water.
- 2-20.8* The Firefighter shall describe the District standard for relay pumping.
- 2-20.9* The Firefighter shall identify the following District standards for calculating engine pressure and identify the location of these tables on the engine/ladder.
- a. friction loss
 - b. standpipes
 - c. sprinklers
 - d. master streams
 - e. elevated streams
- 2-21 Tactics and Strategy
- 2-21.1* The Firefighter shall define the Incident Command System and describe its implementation and use in the District.
- 2-22 Arson
- 2-22.1* The Firefighter shall describe the process used by Fire Investigators to locate the point of origin.
- 2-22.2* The Firefighter shall describe the process used by Fire Investigators to determine the cause of fire.
- 2-22.3* The Firefighter shall describe the process used by Fire Investigators to identify, collect, and preserve evidence.
- 2-23 Apparatus
- 2-23.1* The Firefighter shall describe the process associated with the Daily Apparatus Equipment Check.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-23.2* The Firefighter shall trace engine piping and distinguish between suction and discharge sides of the pump.
- 2-23.3* The Firefighter shall demonstrate putting an engine into pump and describe how to obtain water from the booster reel and preconnect hose lines.
- 2-23.4* The Firefighter shall demonstrate starting the pump on a Patrol and Watertender and how to obtain a fire stream.
- 2-23.5* The Firefighter shall identify considerations made by Drivers when spotting the rescue vehicles.
- 2-23.6* The Firefighter shall describe the procedure for operating the light boom on an apparatus.
- 2-24 Building Construction
- 2-24.1* The Firefighter shall define the following terms:
- a. non-combustible
 - b. masonry
 - c. pre-stressed concrete
- 2-24.2* The Firefighter shall identify three types of fire doors and define Class A and Class B openings as related.
- 2-24.3* The Firefighter, given a type of construction or construction component, shall identify the area(s) most likely to collapse under prolonged/intense fire conditions.
- 2-25 Defensive Driving
- 2-25.1* The Firefighter shall state the objectives of the District's Safe Driving Program and how they can take positive action to accomplish these.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-25.2* The Firefighter shall identify the relationship between apparatus gross vehicle weight and braking distances, including factors which influence this relationship.
- 2-26 Forms
- 2-26.1* The Firefighter shall identify forms, records, and reports that apply to the position of Drivers.
- 2-26.2* The Firefighter shall demonstrate an awareness of District forms, records, and reports associated with supplies, inventory, emergency incidents, activities, and inspections.
- 2-27 Hazardous Materials
- 2-27.1* The Firefighter shall describe how to use a Department of Transportation Guidebook.
- 2-27.2* The Firefighter shall describe the District and County's decontamination procedure.
- 2-27.3* The Firefighter shall demonstrate an awareness of the types of equipment carried on the County Hazardous Incident vehicle.
- 2-28 Mechanics
- 2-28.1* The Firefighter shall describe the process whereby members assure the operation of all portable power equipment.
- 2-28.2* The Firefighter shall identify special fuel additives and their use.
- 2-28.3* The Firefighter, given a portable power unit/piece of equipment with a solvable mechanical problem, shall describe how to correct the problem within district policy.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-29 RADEF
- 2-29.1* The Firefighter shall identify commonly accepted actions to take, as the first arriving emergency responder, in the following radiological incidents:
- a. transportation – no fire
 - b. transportation – fire
 - c. on site incident – no fire
 - d. on site incident – fire
- 2-29.2* The Firefighter shall describe commonly known radiation sources located within the Calaveras County.
- 2-30 Specialized Tools
- 2-30.1* The Firefighter, given a situation requiring the use of specialized tool(s), shall identify the proper tool and describe its application for that situation.
- 2-30.2* The Firefighter shall describe maintenance items and procedures for specialized tools which are contained in the Maintenance Manual.
- 2-31 Utility Control
- 2-31.1* The Firefighter shall describe how to identify if PCB is involved in a situation to which he/she responds.
- 2-31.2* The Firefighter shall describe the distribution systems and associated pressures within it for natural gas and L.P.G.
- 2-31.3* The Firefighter shall describe the distribution system and associated voltages for electricity.

*Central Calaveras Fire District Requirement

CENTRAL CALAVERAS FIRE AND RESCUE
TRAINING DIVISION

CAREER TRAINING AND DEVELOPMENT

SECTION: FIREFIGHTER II STANDARDS

- 2-32 Water Additives
- 2-32.1* The Firefighter shall identify application rates and extinguishing abilities of foam/wet water.
- 2-32.2* The Firefighter shall demonstrate awareness of the Driver's responsibility and knowledge regarding proper foam/wet water operations.
- 2-32.3* The Firefighter shall demonstrate knowledge of the common terminology associated with foam/wet water.
- 2-33 Wildland
- 2-33.1* The Firefighter shall demonstrate ability to estimate area involved, spread potential, and request additional resources to extinguish a wildland fire, for a given situation.
- 2-33.2* The Firefighter shall identify methods and equipment available to replenish water supply when assigned a:
- a. Patrol
 - b. Watertender
- 2-33.3* The Firefighter shall describe proper action to be taken when in the vicinity of an air (fire retardant) drop.
- 2-33.4* The Firefighter shall demonstrate an awareness of the effects of terrain on nozzle pressures and methods to correct any associated problems.

*Central Calaveras Fire District Requirement