

TASK BOOK FOR THE POSITION OF

PRESIDIO FIRE DEPARTMENT INTERN



TASK BOOK ASSIGNED TO:

TASK	DATE	EVALUATOR
FIRE DEPARTMENT ORGANIZATION		
Describe the following:		
Unity of Command/Chain of Command		
Span of control		
Division of Labor		
Discipline		
INCIDENT MANAGEMENT SYSTEM		
List the 5 General Staff positions		
List the 3 command staff positions		
Describe the process to Transfer Command		
SAFETY		
Explain the importance of firefighter safety		
<i>Describe safety aspects of the following:</i>		
Hand Tools		
Power Tools		
Power Saws		
Scene Safety		
Demonstrate proper lifting techniques		
FIRE BEHAVIOR		
Identify the 6 types of energy		
Explain the 2 states of energy		
Explain the 3 methods of heat transfer		
Describe the Fire Tetrahedron		
Explain the 5 stages of Fire Development		
Describe Flameover		
Describe Flashover		
Describe Backdraft		

TASK	DATE	EVALUATOR
Identify the products of combustion		
List the 4 classifications of fire		
Describe Thermal Layering		
Describe Fire Extinguishment Theory		
BUILDING CONSTRUCTION		
<i>Describe the following construction types:</i>		
Type I		
Type II		
Type III		
Type IV		
Type V		
Explain hazards of lightweight truss construction		
Define Fire load		
Describe different types of roof coverings		
Define the Collapse Zone		
Describe a Lean-To collapse		
Describe an A-Frame collapse		
Describe a V collapse		
PERSONAL PROTECTIVE EQUIPMENT		
Detail the components of a FF's PPE		
What NFPA # deals with PPE?		
Describe the 3 layers of turnouts		
Detail the major components of the SCBA		
Identify the 3 methods of Donning an SCBA		
Properly don PPE within 60 seconds		
While in PPE, properly don SCBA w/air within 60		
Refill SCBA w/ cascade & compressor		
In PPE, operate w/ obscured visibility		
Demonstrate changing a SCBA cylinder		
Clean, Sanitize and inspect SCBA		
In PPE, operate w/ obscured visibility		

TASK	DATE	EVALUATOR
PORTABLE FIRE EXTINGUISHERS		
Identify different types of portable extinguishers		
Identify extinguisher symbol shapes and letters		
List general guidelines for extinguisher use		
Define "PASS"		
Describe the inspection of fire extinguishers		
Describe servicing a stored-pressure extinguisher		
ROPES AND KNOTS		
characteristics of fire service rope & webbing		
Describe how to inspect rope & webbing		
<i>Demonstrate how to tie the following:</i>		
Half Hitch		
Clove Hitch		
Square Knot		
Bowline		
Becket Bend		
Sheepshank (trucker's hitch)		
Figure Eight		
Figure Eight on a Bite		
Figure Eight Follow Through		
Handcuff (California Love) knot		
Overhand bend (Water) knot		
<i>Demonstrate how to tie-off the following:</i>		
Pick-head axe		
Pike pole		
Roof Ladder		
Dry hoseline		
Charged hoseline		
Circle "D" lights		
Describe safety considerations of hoisting/lowering		
Describe the methods of storing rope		
Describe the methods of cleaning rope		

TASK	DATE	EVALUATOR
EQUIPMENT AND TOOLS		
Identify some fire service hand tools		
Describe the uses of fire service hand tools		
Describe the inspection of fire service hand tools		
Explain the inspection process of a chain saw		
Demonstrate the starting procedure of a chain saw		
Explain the inspection process of a circular saw		
Demonstrate the starting procedure of a circ saw		
Explain the function of an air chisel		
Demonstrate the operation of a gas generator		
Describe the use of fire service lights		
Demonstrate the connection of circle D lights		
Demonstrate the ignition of a fire service flare		
Describe the functions of a thermal imaging device		
Demonstrate the use of a thermal imaging device		
BUILDING SEARCH/VICTIM REMOVAL		
Describe the two objectives of a search		
Describe safety factors regarding building search		
Describe various methods of conducting a search		
List some common places where victims are found		
Describe a primary search		
Describe a secondary search		
Describe how a coupling can lead you to an exit		
Which floors of a multi-floor building are priorities		
Describe ways of alerting others to your location		
Describe the cradle-in-arms lift/carry		
Describe the seat lift/carry		
Describe how to lift/carry a victim , one rescuer		
Describe the coat/ blanket drag		
Describe how to build an improvised stretcher		
Describe helping a conscious victim down a ladder		
Describe moving unconscious victim down a ladder		

TASK	DATE	EVALUATOR
VEHICLE EXTRICATION		
Describe accident scene size-up		
Describe safety concerns with vehicle extrication		
Describe how to open a vehicle hood		
Demonstrate "pulling" a battery		
Describe how to stabilize a vehicle on its wheels		
Describe how to stabilize a vehicle on its side		
Describe how to stabilize a vehicle on its roof		
Identify basic vehicle anatomy		
Identify the A, B, C posts		
Describe methods of removing a vehicle windshield		
Describe how to remove a vehicle window		
Describe how to "pop" a vehicle door		
Describe how to remove a vehicle door		
Describe how to remove a vehicle roof		
Describe how to "roll" a vehicle steering wheel		
Describe how to "roll" a vehicle dashboard		
Demonstrate inspection of hydraulic power plant		
Demonstrate starting of hydraulic power plant		
Demonstrate connecting hydraulic hoses		
Demonstrate connecting hydraulic tools		
Demonstrate operation of hydraulic spreaders		
Demonstrate operation of hydraulic cutters		
Demonstrate operation of hydraulic ram		
Describe the process of "cribbing"		
Demonstrate stabilizing a vehicle with cribbing		
Describe various types of jacks		
Describe the function of air bags		
Demonstrate the use of high pressure air bags		
Demonstrate packaging a patient for removal		
Demonstrate removing a victim from a vehicle		

TASK	DATE	EVALUATOR
FORCIBLE ENTRY		
Describe the reason for forcible entry		
Identify various cutting tools and their uses		
Identify various striking tools and their uses		
Describe how a circ saw is used for forcible entry		
Describe how a chain saw is used for forcible entry		
Describe the various uses for bolt cutters		
Identify various manual prying tools		
Identify various pushing/pulling tools		
Identify various striking tools		
Demonstrate the proper way to carry an axe		
Identify the four function types of doors		
Describe the features of solid/hollow core doors		
Describe some dangers of pocket doors		
Identify the 3 classes of overhead doors		
Describe the dangers of overhead doors		
Explain the statement, "try before you pry"		
Describe the process to safely Break glass		
Describe how to force an inward swinging door		
Describe how to force an outward swinging door		
Describe how to force double swinging doors		
Describe how to force a tempered plate glass door		
Describe the through the lock method of entry		
Describe the operation of the K-tool		
Describe the operation of the A-tool		
Describe techniques of breaching pad locks		
Describe the process of bridging a fence		
Describe how to force Double-Hung windows		
Describe how to force Hinged (casement) window		
Describe how to force a projected window		
Describe how to force a lexan windows		
Describe various ways to remove window bars		
Describe the process of breaching walls		

TASK	DATE	EVALUATOR
GROUND LADDERS		
<i>Id the following parts and describe their function:</i>		
Beam		
Bed (base) section		
Butt (heel)		
Butt Spurs		
Dogs		
Fly		
Footpads		
Guides		
Halyard		
Heat Sensor Label		
Hooks		
Pawls (Locks)		
Protection plat		
Pulley		
Rails		
Rungs		
Stops		
Tie Rods		
Tip		
Truss Block		
<i>Identify the following types of ladders:</i>		
<i>Folding (attic)</i>		
Wall		
Roof		
Folding		
Extension		
Combination		
Pompier		
Describe Ladder safety		
What NFPA #'s refer to ground ladders		
Describe the inspection of a ground ladder		

TASK	DATE	EVALUATOR
Describe the cleaning of a ground ladder		
Describe how to set a proper climbing angle		
Explain the selection of the appropriate ladder		
Demonstrate the low-shoulder lift/carry (1 FF)		
Demonstrate the low-shoulder lift/carry (2 FF)		
Demonstrate the High-shoulder lift/carry (1 FF)		
Demonstrate the High-shoulder lift/carry (2 FF)		
Demonstrate the Flat-Shoulder lift/carry		
Demonstrate the operation of an attic ladder		
Describe commands for placing an extension ladder		
Detail hazards of ladder placement		
Describe which direction the fly faces		
How many rungs should be placed above the roof line		
Describe the proper placement for rescue		
Describe the proper placement Ventilation		
Demonstrate a 1 and 2 FF flat raise		
Demonstrate a 1 and 2 FF beam raise		
Properly climb and lock-out on a ground ladder		
Demonstrate carrying/Placing a roof ladder		
Describe various methods of securing a ladder		
Demonstrate properly tying a halyard		
VENTILATION		
Define ventilation and it's benefits/hazards		
Identify various types of roofs		
Identify various types of roof coverings/openings		
List considerations of ventilation location		
Describe the coordination of ventilation/attack		
<i>Describe the following:</i>		
Horizontal Ventilation		
Vertical Ventilation		
Positive pressure ventilation		
Negative pressure ventilation		
Hydraulic ventilation		

TASK	DATE	EVALUATOR
Describe louvering		
Describe the effects of wind direction		
Describe the hazards of exposures during ventilation		
Describe the air cone during PPV		
Hazards of basement fires		
Demonstrate the proper way of ventilating a roof		
Detail the process of opening windows for vent		
Explain the importance of removing window screens		
Describe the importance of HVAC control		
WATER SUPPLY		
Identify the 2 sources of water supply		
Identify the 3 means of moving water in a system		
Demonstrate the proper operation of a hydrant		
Demonstrate opening a hydrant cap under pressure		
Explain the SF High Pressure water system		
Explain the purpose of a Gleason valve		
Explain the 6 steps to inspecting a Gleason valve		
Demonstrate connecting a Gleason valve to hydrant		
Explain the function and use of the Ames valve		
Explain the 3 components of a grid system		
Define a "Looped line" hydrant		
Describe a PIV and its use		
Describe a OS&Y and its use		
Define static pressure		
Define Operating pressure		
Define Residual pressure		
Define flow pressure		
Describe the 2 main types of fire hydrants		
Describe the various hydrant colors & their flows		
Describe hydrant testing and important information		
Define water shuttle		
Define drafting		
Define relay pumping		

TASK	DATE	EVALUATOR
FIREHOSE		
Define firehose		
Describe the common fire hose diameters		
Describe the common fire hose lengths		
Identify the 2 types of intake hose		
Describe different types of hose construction		
Describe the 4 methods of damage to fire hose		
Describe various methods to properly wash fire hose		
Describe the methods of drying fire hose		
Describe methods of storing fire hose		
Describe various fire hose couplings		
Define the shank		
Identify a male/female shank		
Define the higbee cut/higbee indicators		
Describe maintenance of fire hose couplings		
Describe the importance of a swivel gasket		
Describe various spanners and wrenches		
<i>Define the following types of valves:</i>		
Ball		
Gate		
Butterfly		
Clapper		
Describe a wye valve and its uses		
Describe a siamese valve and its uses		
Describe a water-thief valve		
Describe a manifold and its uses		
<i>Define the following fittings:</i>		
Double male		
Double female		
Reducer		
Increaser		
Elbow		
Cap/Plug		

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<i>Define the following:</i>		
Hose roller		
Hose wringer (roller) for large diameter hose		
Hose jacket		
Hose clamp		
Hose strap		
Hose Bridges/ramp		
Chafing block		
<i>Demonstrate the following hose rolls:</i>		
Straight roll		
Donut roll		
Twin Donut roll		
Self-locking win donut roll		
High-rise pack		
Demonstrate coupling hose-threaded couplings		
Demonstrate coupling hose-stortz couplings		
Demonstrate clamping a charged hose line		
Demonstrate replacing a length of charged hose		
Demonstrate controlling a loose hoseline		
Describe pre-connected hose lines and their uses		
Define Cross lay		
<i>Define the following hose loads:</i>		
Accordion		
Horseshoe		
Flat		
Triple-fold		
Minuteman		
Describe a booster-line and its use		
Describe a Forward and Reverse Lay supply		
Describe a split lay		
Demonstrate making a hydrant connection 3" & 5"		
Demonstrate connecting hose to a standpipe		
Demonstrate how to "drain and carry" firehose		

TASK	DATE	EVALUATOR
Describe advancing hose into a structure		
Describe advancing hose up/down a stairway		
Describe advancing hose from a standpipe		
Describe advancing hose from a wye		
Describe advancing hose up a ladder		
Describe operating a hoseline with 1, 2 & 3 FFs		
Detail when and how firehose is inspected		
FIRE STREAMS		
Describe the extinguishing properties of water		
How much does water expand to become steam		
Describe the effects of pressure on a hose stream		
Describe a fog pattern and its uses		
Describe a straight stream (solid bore) and its uses		
Describe a master stream		
Define friction loss		
Define water hammer		
Describe a distributor nozzle and its use		
Describe a Ball Valve		
Describe a Slide Valve		
Describe nozzle maintenance		
Describe the benefits of a TFT nozzle		
Demonstrate lubricating the 7 points of a TFT		
Describe foam concentrates		
Describe the use of a foam eductor		
Describe the application process of foam		
Demonstrate advancing a charged hoseline 1 3/4"		
Demonstrate advancing a charged hoseline 3"		
Demonstrate advancing a charged hoseline up stairs		
Demonstrate advancing charged hoseline down stairs		
Demonstrate advancing charged hoseline into building		
Demonstrate advancing charged hoseline up ladder		
Demonstrate advancing uncharged hoseline up ladder		
Demonstrate extending a charged hoseline		

TASK	DATE	EVALUATOR
FIRE CONTROL		
Identify various hazards associated with fire attack		
List equipment needed for fire attack		
Describe the 3 types of fire attack		
Identify the basic guidelines of fire attack		
Describe hoseline selection for fire attack		
Describe the T,Z and O stream patterns		
Describe the deployment of a master stream		
Describe safety precautions when performing attack		
Describe "pushing" a fire out of a building		
Define a back-up line		
Define a second attack line		
Define an exposure line		
Describe the importance of feeding hoseline		
Detail the amount of hose needed for fire attack		
Explain the importance of shutting down utilities		
Describe lock-out/tag-out		
Demonstrate shutting down gas/electric/water		
Describe how to ID contents of a storage area		
Define a BLEVE and precautions to avoid it		
Describe the fire attack of a gas line fire		
Describe the fire attack of a propane tank		
Describe a fire scene size-up		
Demonstrate giving a fire scene size-up		
Describe the priorities on a fire ground		
Describe the duties of the 1st due engine company		
Describe the duties of the 2nd due engine company		
Describe the duties of the truck company		
Define RIC/RIT		
Describe the role of the RIC		
Describe where the RIC should stage		
Detail the equipment the RIC should have		
Describe when the RIC should be activated		

TASK	DATE	EVALUATOR
Describe the attack of fires on upper floors		
Describe the dangers of fire attack in a basement		
Describe the hazards associated with vehicle fires		
Describe the hazards associated with dumpster fires		
Describe the dangers of fire attack in confined space		
Describe the fire attack of a chimney fire		
Describe the importance of accountability		
Define PAR		
When should a PAR be performed?		
Describe the 3 types of fuels found in wildland fires		
Describe how weather factors with wildland fires		
<i>Define the following:</i>		
Origin		
Head		
Finger		
Perimeter		
Heel		
Flank		
Island		
Spot fire		
Green/black		
Describe direct/indirect attack in wildland fires		
Describe a fire shelter and its use		
Deploy a fire shelter		
Identify wildland firefighting hand tools		
Describe the use of a back pump		
Describe backfire		
Explain safety factors regarding air attacks		
Describe mobile attack		
Describe a progressive hose lay		
Demonstrate constructing a progressive hose lay		
Describe/demonstrate how to use a drip torch		
TASK	DATE	EVALUATOR

FIRE PROTECTION SYSTEMS		
Describe functions of a fire detection/alarm system		
Describe the functions of a fire suppression system		
Describe the various types of fire alarm systems		
Define local/monitored alarm system		
Describe the 3 types of sprinkler systems		
Describe how to replace a sprinkler head		
Describe the various types of sprinkler heads		
Describe how to shut down a sprinkler system		
Describe a hood fire suppression system		
Describe the process to reset an alarm system		
Describe a PIV and its use		
Describe a FDC		
Demonstrate making a connection to a FDC		
SALVAGE AND OVERHAUL		
Define Salvage		
Define Overhaul		
Describe methods of finding hidden fire		
Describe the use of a floor runner		
Describe the use of salvage tarps		
Describe the maintenance of salvage tarps		
Describe tools utilized in salvage		
Describe Carryall and its use		
Describe a water vac		
Describe a float pump		
Deploy/Load a rolled salvage cover 1FF		
Deploy/Load a rolled salvage cover 2FFs		
Deploy/Load a folded salvage cover 1 FF		
Deploy/Load a folded salvage cover 2 FFs		
Describe a water chute and a catchall		
Construct a water chute and a catchall		
List tools needed for overhaul		
Describe the process to board-up a building		
Demonstrate the procedure of pulling ceiling		

TASK	DATE	EVALUATOR
Describe the role of fire determination		
Describe the importance of protecting evidence		
Describe the observations of a Firefighter enroute		
Describe the observations of a Firefighter on scene		
Describe the role of the investigator		
COMMUNICATIONS		
Describe the emergency communications system		
Describe the role of the telecommunicator		
Demonstrate how to operate a FD radio		
Describe clear text		
Describe Computer Aided Dispatch		
Describe Emergency Medical Dispatch		
Describe a Fire Alarm box		
Describe the Emergency radio procedures		
Describe a Tactical channel		
Describe Evacuation Signals		
FIRE PREVENTION/EDUCATION		
Describe the importance of fire prevention		
Describe building inspections		
Describe pre-fire planning		
Define Target hazard		
Define Public assembly		
Define E.D.I.T.H.		
Demonstrate Stop-Drop-& Roll		
Describe the importance of fire education		
Describe the importance of smoke detectors		
Describe the install and testing of smoke detectors		
INCIDENT COMMAND CLASSES		
COMPLETE THE FOLLOWING @ FEMA WEBSITE		
ICS-100		
ICS-200		
ICS-700		
ICS-800		