

FIREFIGHTER I MANIPULATIVE SKILL OBJECTIVES
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GENERAL

PERSONAL PROTECTIVE EQUIPMENT

- 1- Demonstrate the care, inspection, and maintenance of protective clothing assigned or available for use.**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given helmet with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), Hood, Boots, Gloves, Coat, and Pants.

COMPETENCE:

- Inspect all equipment for damage.
- Remove dirt, chemicals, oil or other compounds from protective clothing.
- Inspect helmet and visor for damage.
- Inspect suspenders for damage or loss of support.
- Describe proper cleaning methods (Manufacturer recommended or department SOP).

TIME: 5:00 Minutes

- 2- Demonstrate donning and doffing structural firefighter protective clothing.**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given helmet with eye protection, Hood, Boots, Gloves, Coat and Pants.

COMPETENCE:

- Don hood (hood maybe rolled down around collar of coat).
- Don and fasten all closures on pants/boots and coat.
- Collar turned up on coat/hood rolled down on collar.
- Don helmet and tighten chin strap (helmet ear flaps down).
- Don gloves.
- Doff protective clothing and place back in-service.

TIME: 1:00 Minute to Don (No time limit for doffing)

ROPES

3- **Demonstrate the hoisting of the following tools: fire axe, pike pole, roof ladder, hoseline (charged/dry).**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2, 4.3.12(b), 4.3.20(b)

CONDITION: Wearing full protective clothing, tool or equipment, minimum 25 ft. of rope.

COMPETENCE:

- Select tool to be hoisted.
- Tie with an approved knot (Skill #4A-D) for hoisting.
- Use "tag" line when directed.
- Hoist tool or equipment.

TIME: 1:00 Minute for tool selected (Hoisting time not included in the 1:00 Minute)

4- **Demonstrate tying the following knots:**

A. **Bowline around waist and/or around an object (with overhand safety).**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given a length of rope, object such as a pole or waist.

COMPETENCE:

- Select correct length of rope.
- Tie correct knot with overhand safety in correct position.

TIME: 35 Seconds

B. **Clove hitch, running or loop method (with overhand safety).**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given a length of rope, object to place knot on.

COMPETENCE:

- Select correct length of rope.
- Tie correct knot with overhand safety in correct position.

TIME: 35 Seconds

C. **Figure eight on a bight (with overhand safety).**

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given a length of rope.

COMPETENCE:

- Select correct length of rope.
- Tie correct knot with overhand safety in correct position.

TIME: 35 Seconds

D. Figure eight follow through loop (with overhand safety).

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given a length of rope.

COMPETENCE:

- Select correct length of rope.
- Tie correct knot with overhand safety in correct position.

TIME: 1:00 Minute

E. Becket or sheet bend.

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given 2 pieces of rope of different diameter.

COMPETENCE:

- Select correct length of rope in correct position.
- Larger rope should form the bight.
- Tie correct knot.

TIME: 35 Seconds

F. Water knot (with overhand safeties).

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2

CONDITION: Given 12 ft. X 1 inch tubular webbing.

COMPETENCE:

- Select correct length of webbing.
- Tie correct knot with overhand safeties in correct position.

TIME: 1:00 Minute

5- Demonstrate inspecting, cleaning and storing rope after use.

REFERENCE: NFPA 1001, 2019 Edition, 4.1.2, 4.5.1(b), 4.5.2(b)

CONDITION: Given rope, rope bag (if available) and cleaning supplies.

COMPETENCE:

- Identify type of rope, life safety or utility.
- Inspect rope for damage or wear.
- Wash rope using approved method (verbalize).
- Dry rope using approved method (verbalize).
- Bag or coil rope.
- Document use of rope and inspection on rope log.

TIME: 2:00 Minutes - inspecting rope
3:00 Minutes per 50 ft. - coiling or bagging

FIRE DEPARTMENT COMMUNICATIONS

RADIO AND PHONES

6- Demonstrate receiving a report of a fire or emergency situation from the public (telephone) and initiate appropriate action.

REFERENCE: NFPA 1001, 2019 Edition, 4.2.1 (B)

CONDITION: Given a fire or emergency scenario.

COMPETENCE:

- Identify self.
- Record time of call.
- Record type and address of incident.
- Record callers name and call back number.
- Ask questions for additional information.
- Hang up after caller.

TIME: 1:00 Minute

7- Demonstrate receiving a business or personal telephone call from the public.

REFERENCE: NFPA 1001, 2019 Edition, 4.2.2 (B)

CONDITION: Given a scenario, following department SOP.

COMPETENCE:

- Identify self.
- Record time of call.
- Record message.
- Record callers name and call back number.
- Ask questions for additional information.
- Hang up after caller.

TIME: 1:00 Minute

8- Demonstrate the use of mobile and portable radio equipment for routine or emergency traffic.

REFERENCE: NFPA 1001, 2019 Edition, 4.2.3 (B)

CONDITION: Given a mobile/portable radio equipment.

COMPETENCE:

- Turn on power
- Set radio to correct channel
- Adjust volume
- Adjust squelch (if radio is equipped)
- Perform radio check (simulate)
- If emergency traffic, give EMERGENCY TRAFFIC signal over the air (simulated)

TIME: 1:00 Minute

FIREGROUND OPERATIONS

SELF CONTAINED BREATHING APPARATUS

9- Identify and describe each component of the Self-Contained Breathing Apparatus (SCBA).

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)

CONDITION: Given a Self-Contained Breathing Apparatus as used by department.

COMPETENCE:

- Backpack/harness.
- Air cylinder - cylinder, valve, and pressure gauge.
- Regulator assembly - high pressure hose, low pressure alarm, main line valve, emergency by-pass valve, secondary gauges.
- Facepiece assembly - low pressure hose, exhalation valve, and head harness.
- PASS device.

TIME: 5:00 Minutes

10- Demonstrate donning Self-Contained Breathing Apparatus (SCBA).

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)

CONDITION: Wearing full protective clothing and SCBA.

COMPETENCE:

- Crouch or kneel at SCBA (if donned from ground).
- Check SCBA cylinder pressure gauge (verbalize pressure).
- Open cylinder valve fully.
- Check regulator and cylinder gauge - gauges should be within 100 psi of each other.
- Don Backpack and fasten/tighten all straps (over-the-head or coat method).
- Don facepiece, adjust head harness, check seal and exhalation valve.
- Don protective hood.
- Attach low pressure hose to regulator or face piece.
- Turn on or ensure PASS is active.
- Don helmet.
- Don gloves.

***Steps may vary with different SCBA's, however all of the above should be covered during the donning process.**

TIME: 1:00 Minutes

11- Demonstrate the following emergency procedures in the event of SCBA failure:

A. Conservation of air (skip breathing).

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)
As per manufacture recommendations for SCBA used by department.

CONDITION: Wearing full protective clothing and SCBA.

COMPETENCE:

- Inhale normally (as during regular breathing)
- Holds breath (as long as it would take to exhale)
- Inhale again
- Exhale slowly

TIME: 1:00 Minute

B. Emergency procedures in the event of a facepiece failure.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)
As per manufacture recommendations for SCBA used by department.

CONDITION: Wearing full protective clothing, SCBA, simulated facepiece damage.

COMPETENCE:

- Notify partner of problem.
- Active emergency communications (Mayday).
- Notify Incident command of problem.
- Active PASS.
- Disconnect low pressure hose from facepiece or regulator.
- Breath from low pressure hose or 2nd stage regulator.
- Exit structure with partner.

TIME: 1:00 Minute

C. Emergency procedures in the event of an interruption/restricted air flow.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)

CONDITION: Wearing full protective clothing, SCBA, simulated regulator damage.
As per manufacture recommendations for SCBA used by department.

COMPETENCE:

- Notify partner of problem.
- Activate emergency communications (Mayday).
- Notify Incident command of problem.
- Close mainline valve (if applicable).
- Operate By-pass
 - Open By-pass valve, inhale
 - Close By-pass valve,
 - Repeat as needed.
- Exit structure with partner.

TIME: 1:00 Minute

12- Doff and perform a check of an in-service SCBA: Without cylinder change.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B)

CONDITION: Given an SCBA

COMPETENCE:

- Place SCBA on ground, close cylinder valve.
- Relieve excess pressure from regulator, listen for low-pressure alarm.
- Check cylinder pressure (90% full), (verbalize pressure reading).
- Disconnect regulator from facepiece or low-pressure hose from regulator.
- Fully extend all straps on SCBA backpack.
- Fully extend all straps on facepiece.
- Inspect entire apparatus for cleanliness and damage.

*** Steps may vary with different SCBA's**

TIME: 1:00 Minutes

13- Demonstrate routine maintenance procedures for an in-service SCBA: Inspect, clean, and sanitize an SCBA system.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.1 (B)
As per manufacture recommendations for SCBA used by department.

CONDITION: Given an SCBA and cleaning solution specified by manufacturer

COMPETENCE:

- Inspect SCBA and facepiece.
- Wash facepiece and sanitize (verbalize sanitation procedure).
- Rinse in fresh water, hang to dry.
- Wash/rinse backpack (keep water from entering regulator).

TIME: 5:00 Minutes

EMERGENCY RESPONSE - APPARATUS**14- Demonstrate safety procedures for mounting, use of seat belts, hearing protection and other safety equipment on apparatus, safely dismounting fire apparatus.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.2 (B)

CONDITION: Wearing full protective clothing, fire apparatus equipped with seat belts, radio headsets or other noise barriers.

COMPETENCE:

- Use handrails, steps to mount apparatus.
- Secures safety devices as provided.
- Properly fasten seat belts.
- Don hearing protection if needed.
- Uses handrails or steps to dismount apparatus.
- Deploy traffic and scene control devices as appropriate.

TIME: 2:00 Minute

FORCIBLE ENTRY**15- Demonstrate the proper care and maintenance of forcible entry tools and equipment.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B), 4.3.11 (B), 4.3.12 (B), 4.5.1 (B)

CONDITION: Wearing gloves and eye protection, given cutting, prying, pulling, or striking tools, chainsaw, ventilation fan (PPV), soap, water, brush, & rags.

COMPETENCE:

- Proper carry for each tool.
- Protect self and others from sharp or pointed edges during maintenance.
- Remove excess dirt with brush or hose.
- Wash tool with soap and water.
- Inspect tool head and handle for damage.
- Sharpen tool heads (per manufacture recommendations).
- Dry tool and protect surface as per manufacture recommendations.

TIME: 5:00 Minute per tool

16- Demonstrate forcible entry and through-the-lock entry techniques for the following doors:**A. Swinging doors (stopped or rabbeted jamb).**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper forcible entry tool(s).
- Proper carry of tool.
- Try door before prying.
- Correctly identify door type (stopped or rabbeted jamb).
- Pry or force entry at or near lock.
- Force door correct direction.

TIME: 1:00 Minute

B. Sliding doors.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper forcible entry tool(s).
- Proper carry of tool.
- Try door before prying.
- Pry or force entry at or near lock.
- Force door away from frame.

TIME: 1:00 Minute

C. Overhead doors.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper forcible entry tool(s).
- Proper carry of tool.
- Try door before prying.
- Force entry by prying upward from bottom of door or remove door panel and open with inside latch.
- Door blocked open immediately after forcing entry.

TIME: 1:00 Minute

17- Demonstrate forcible entry and through-the-lock entry techniques for the following windows:**A. Sliding windows.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper tool(s)
- Proper carry of tool.
- Try window before prying.
- Locate lock.
- Pry or force entry at proper location on window.

TIME: 1:00 Minute

B. Double hung windows.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper tool(s)
- Proper carry of tool.
- Try window before prying.
- Locate lock.
- Describe entry at proper location on window.

TIME: 1:00 Minute

C. Casement windows.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper tool(s).
- Proper carry of tool.
- Cut screen in same area.
- Break lowest pane of glass.
- Unlock and operate window crank.
- Completely remove screen.

TIME: 1:00 Minute

18- Demonstrate forcible entry for the following exterior walls:**A. Masonry.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper tool(s).
- Proper carry of tool.
- Correctly use tool(s) to force entry.
- Identify possible hazards associated with breaching wall.

TIME: 5:00 Minutes

B. Metal.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.4 (B)

CONDITION: Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.

COMPETENCE:

- Select proper saw or tool.
- Proper carry of tool.
- Find and mark studs or supports.
- Demonstrates start up and operation of K12 saw
- Identify possible hazards associated with breaching wall.

TIME: 5:00 Minutes

C. Wood.

REFERENCE:	NFPA 1001, 2019 Edition, 4.3.4 (B)
CONDITION:	Wearing full protective clothing with eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), appropriate forcible entry tool.
COMPETENCE:	<ul style="list-style-type: none">• Select proper tool(s).• Proper carry of tool.• Remove exterior covering.• Sound for studs or supports.• Cut along studs.• Identify possible hazards associated with breaching wall.
TIME:	5:00 Minute

SAFETY**19- Establish and operate in work area at an emergency scene.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.3 (B)

CONDITION: Given an emergency scene, (roadway, structure fire, vehicle fire) wearing full PPE, safety vest if operating on roadway, traffic and scene control devices, and an assignment.

COMPETENCE:

- Proper PPE don prior to operating on scene
- Dismount apparatus in safe manner
- Establish safety zones as directed by IC
- Operate at emergency scene within safety zones

TIME: 3:00 Minutes

20- Demonstrate the use of SCBA to exit through a restricted passage.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.1 (B), 4.3.9 (B)

CONDITION: Wearing full protective clothing, SCBA, restricted passage where firefighter cannot pass without a low profile.

COMPETENCE:

- Loosen SCBA backpack (Leave facepiece on).
- Move SCBA backpack to side of firefighter.
- Enter restricted passage.
- Tighten SCBA backpack after through passage.

TIME: 3:00 Minutes

21- Demonstrate techniques for action when trapped or disoriented in a fire or hostile situation:**A. Search for an exit using hose line.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.5 (B)

CONDITION: Wearing full protective clothing, SCBA (SCBA facepiece covered), 150 ft. of 1 1/2" or larger hose with nozzle attached, 300 sq. ft. room, 2-Firefighter team.

COMPETENCE:

- Call for help.
- Communicate to team members' actions, problems or needs for assistance.
- Activate PASS device.
- Search for and locate hose, find coupling.
- Use hose and follow to safety using male coupling as guide.
- Maintain contact with team member(s) verbally or physically.
- Exit hazardous area before exhausting air supply as a team.

TIME: 3:00 Minutes

B. Search for an exit using a wall.

REFERENCE:	NFPA 1001, 2019 Edition, 4.3.5 (B)
CONDITION:	Wearing full protective clothing, SCBA (SCBA facepiece covered), 300 sq. ft. room and 2-Firefighter team.
COMPETENCE:	<ul style="list-style-type: none">• Call for help.• Communicate to team members' actions, problems or needs for assistance.• Activate PASS device.• Search for wall.• Find wall and follow to safety using right or left-hand technique.• Maintain contact with team member(s) verbally or physically.• Exit hazardous area before exhausting air supply as a team.
TIME:	2:00 Minutes

LADDERS**22- Demonstrate the proper carry, position, raise, and lower of a roof ladder.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.6 (B), 4.3.11 (B), 4.3.12 (B)

CONDITION: Wearing full protective clothing and roof ladder.

COMPETENCE:

- Start 25 ft. from structure.
- Lift ladder with legs to carry position.
- Carry ladder correctly (tip or heel forward according to ladder type).
- Check for overhead obstructions (must verbalize).
- Determine structure stability (must verbalize).
- Butt and raise ladder to proper position.
- Check climbing angle.
- Lower ladder to ground.

TIME: 1:00 Minute (Lowering ladder not included in time)

23- Demonstrate the proper carry, position, raise and lower of 24 ft. or 35 ft. extension ladder.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.6 (B), 4.3.11 (B), 4.3.12 (B)

CONDITION: Wearing full protective clothing, 24 ft. extension ladder (2-Firefighter team), 35 ft. extension ladder (4-Firefighter team).

COMPETENCE:

- Start 50 ft. from structure.
- Leader gives preparatory commands.
- Team lifts with legs.
- Proper carry to structure.
- Check for overhead obstructions (must verbalize).
- Determine structure stability (must verbalize).
- Raise fly section to proper height.
- Determine locks are engaged (must verbalize).
- Tie off halyard.
- Check climbing angle.
- Lower ladder to ground.

TIME: 3:00 Minutes (Lowering ladder not included in time)

24- Demonstrate procedure for climbing, working, and descending from extension or aerial ladder with a tool, (with safety harness for aerial ladder).

REFERENCE: NFPA 1001, 2019 Edition, 4.3.6 (B), 4.3.11 (B), 4.3.12 (B)

CONDITION: Wearing full protective clothing, axe, extension or aerial ladder (safety harness for aerial ladder).

**SAFETY ALERT: NEVER USE LEG LOCK ON AERIAL LADDER
LADDER HEELED BY SECOND FIREFIGHTER OR TIED OFF**

COMPETENCE:

- Check climbing angle of ladder.
- Climb with arms straight, body perpendicular to the ground.
- Climb smoothly and rhythmically.
- Maintain three points of contact with ladder while climbing.
- Carry tool properly.
- Lock-in around rung or use safety harness.
- Lock-in on opposite side from the working side.

TIME: 2:00 Minute

25- Demonstrate bringing a victim down a ladder from second story window or roof.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.9 (B)

CONDITION: Wearing full protective clothing, extension ladder, victim: conscious or unconscious.

**SAFETY ALERT: LADDER HEELED OR TIED OFF
SAFETY LINE OR HARNESS ON VICTIM OR USE RESCUE MANIKIN**

COMPETENCE:

- Ensure tip of ladder placed correctly for rescue (must verbalize).
- Proper carry of victim (conscious or unconscious).

TIME: 5:00 Minutes

26- Demonstrate deployment of a roof ladder on a pitched roof.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.11 (B), 4.3.12 (B)

CONDITION: Wearing full protective clothing, roof ladder, and extension ladder and 2-Firefighter team. (Begin with extension ladder placed on building).

COMPETENCE:

- Raise roof ladder and place against extension ladder or roof.
- Properly climb extension ladder.
- Raise roof ladder with hooks open and facing away from firefighter on extension ladder.
- Carry roof ladder to the roofline and lock-in.
- Slide roof ladder up roof.
- Ensure hooks are securely grabbing peak of roof.

TIME: 2:00 Minutes

27- Demonstrate inspection, maintenance, and cleaning procedures for ground and/or aerial ladders.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.1 (B)

CONDITION: Given an extension ladder or a ladder on an aerial apparatus, soap, water, brush, rags, and 2-Firefighter team.

COMPETENCY:

- Wash ladder with water, soap, brush and then dry ladder.
- Check rungs for looseness, cracks, dents, or unusual wear.
- Check all bolts, rivets, and welds for looseness.
- Check beams, trusses, and truss blocks for damage.
- Check all braces, slides, stops, and locks.
- Check pulleys and halyards.
- Check heat sensor labels for color change.
- Mark any defects found.
- Check for smooth operation by raising and lowering ladder.

TIME: 10:00 Minutes

HOSE, NOZZLES, APPLIANCES**28- Demonstrate proper set-up of a Master stream (300 gpm or greater).**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.8 (B)

CONDITION: Wearing protective clothing, water supply, master stream appliance, 100 feet 2 1/2" hose or larger, 2-Firefighter team.

COMPETENCE:

- Set up appliance.
- Connect hose line from apparatus to appliance.
- Signal for water.
- Exercise safety as hose lines charge.
- Adjust stream of appliance once water is at nozzle.
- Flow water.

TIME: 5:00 Minutes

29- Demonstrate the proper method for extending a charged hose line.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, 150 ft. of 1 1/2" or larger hose, hose clamp, nozzle, 2-Firefighter team.

COMPETENCE:

- Clamp hose approx. 3 feet behind nozzle, remove nozzle.
- Add 50' section of hose.
- Replace nozzle and charge hoseline slowly.

TIME: 1:00 Minute

30- Demonstrate the proper method for replacing a burst section of hose.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, 150 ft. of 1 1/2" or larger hose, hose clamp, nozzle, 2-Firefighter team.

COMPETENCE:

- Clamp hose approx. 3 feet behind coupling.
- Drain hose at nozzle.
- Replace 2 sections for one burst section.
- Remove hose clamp and charge hoseline slowly.

TIME: 2:00 Minutes

31- Demonstrate coupling and uncoupling hose using the following:**A. Foot-Tilt method.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: With gloves, 100 ft. of 2 1/2" or larger hose.

COMPETENCE:

- Place foot behind male end of hose and apply pressure to tilt male coupling.
- Connect female end to male end.

TIME: 20 Seconds

B. Two-Firefighter method.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: With gloves, 100 ft. of 1 1/2" or larger hose.

COMPETENCE:

- One firefighter holds male coupling and one firefighter holds female coupling.
- Firefighter holding female coupling couples hose to male coupling using the Higbee indicator as a guide.

TIME: 20 Seconds

32- Advance a charged and uncharged attack line from a pumper, for the following:**A. For ground level fire attack (structural, ground cover, and vehicle).**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, SCBA, 150 feet of 1 1/2" hose or larger, nozzle.

COMPETENCE:

- Correctly unload hose from apparatus.
- Advance hose to attack position.
- Signal for water.
- Open nozzle to bleed air from attack line and check stream pattern.

TIME: 2:00 Minutes

B. Up a ladder to second floor window or roof.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, SCBA, 2-Firefighter team, 150 feet of 1 1/2" hose or larger, nozzle, extension ladder.

COMPETENCE:

- Correctly unload hose from apparatus.
- Advance hose up the ladder.
- Secure hose to ladder with hose straps or webbing.
- Signal for water.
- Open nozzle to bleed air from attack line and check stream pattern.

TIME: 3:00 Minutes

C. Up/down an inside/outside stairway to upper/lower floors.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, SCBA, 150 feet of 1 1/2" hose or larger, nozzle and 2-Firefighter team.

COMPETENCE:

- Correctly unload hose from apparatus.
- Advance to door, feel door for heat.
- Signal for water.
- Open nozzle to bleed air from attack line and check stream pattern.
- Advance up or down 2 flights of stairs.
- Lay hose against outside wall.

TIME: 3:00 Minutes

33- Demonstrate how to connect to a standpipe and advance a hoseline from the standpipe.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, 100 feet of 1 1/2" or larger hose, 2-Firefighter team.

COMPETENCE:

- Advance to standpipe with needed equipment.
- Connect to standpipe at connection below fire floor.
- Properly position hose line in stairwell.
- Advance the entire hose length, avoiding kinks.
- Signal for water.
- Open nozzle to bleed air from attack line and check stream pattern.

TIME: 2:00 Minutes

34- Demonstrate the following hose carries:**A. Single section drain and carry.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, 50 ft. of 1 1/2" or larger hose.

COMPETENCE:

- Pick-up coupling allowing water to drain.
- Place coupling in front of body with hose loop over shoulder.
- Layer hose on shoulder.
- Hose controlled and secured.

TIME: 1:00 Minute

B. Accordion shoulder carry.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.10 (B)

CONDITION: Wearing full protective clothing, 50 ft. of 1 1/2" or larger hose.

COMPETENCE:

- Fold hose on ground.
- Line up folds and couplings.
- Lift hose to shoulder using legs.
- Hose controlled and secured.

TIME: 1:00 Minute

35- Demonstrate the following hose loads:**A. Load supply hose lines on fire apparatus using the Flat or Accordion hose loads.**

REFERENCE: NFPA 1001, 2019 Edition, 4.5.2 (B)

CONDITION: With gloves, 150 feet of 2 1/2" or larger hose, gate valve, 3-Firefighter team.

COMPETENCE:

- Layer hose in hose bed.
- Use "Dutchman" where appropriate.

TIME: 3:00 Minutes

B. Load attack hose lines on fire apparatus using the flat, triple fold or Minuteman hose loads.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.2 (B)

CONDITION: With gloves, 150 feet of 1 1/2" or 1 3/4" hose, 3-Firefighter team.

COMPETENCE:

- Attach female coupling to discharge.
- Layer hose in hose bed.
- Use "Dutchman" where appropriate.
- Finish load with nozzle in correct location and secured.

TIME: 3:00 Minutes

36- Demonstrate the following hose rolls:**A. Straight roll.**

REFERENCE: NFPA 1001, 2019 Edition, 4.5.2 (B)

CONDITION: With gloves, 50 feet of 1 1/2" hose or larger.

COMPETENCE:

- Roll hose with male coupling in the center.
- Lay completed roll on ground, tamp protruding coils.

TIME: 1:00 Minute

B. Donut roll.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.2 (B)

CONDITION: With gloves, 50 feet of 1 1/2" hose or larger

COMPETENCE:

- Roll hose with male coupling inside roll and female coupling approximately 3' ahead of male coupling.
- Lay completed roll on ground, tamp protruding coils.

TIME: 1:00 Minute

37- Demonstrate the procedures for cleaning, inspecting and maintaining: Fire hose and couplings.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.2 (B)

CONDITION: Fire hose, soap, water, brush or hose washing and drying equipment.

COMPETENCY:

- Wash hose using clear water and a brush, if required use mild soap.
- Rinse with clear water.
- Wash couplings with clear water and a brush.
- Inspect hose for mechanical, thermal, or chemical damage.
- Inspect couplings for damage.
- Remove gasket from female coupling, check for cracks.
- Reinstall gasket in female coupling.
- Check male threads for damage by threading in to female coupling.
- Mark and record any damage found, if necessary remove from service.

TIME: 5:00 Minutes

SEARCH AND RESCUE

38- Demonstrate proper techniques while conducting a search for a victim in a structure (with or without hose line or safety rope) and remove victim to safe area.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.9 (B)

CONDITION: Wearing full protective clothing, SCBA (covered facepiece), forcible entry tool, 2-Firefighter team, 300 sq.ft. room.

COMPETENCE:

- Use right or left hand search pattern.
- Call out for victim.
- Pause occasionally to listen for sounds.
- Locate victim and communicate it to command.
- Remove victim to safe area using appropriate drag or carry.
- Team integrity is maintained during search.

TIME: 6:00 Minutes for each 300 sq. ft. searched

39- Demonstrate proper rescue procedures for the following:

A. Move a victim 40 feet using the extremities carry.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.9 (B)

CONDITION: Wearing full protective clothing, 2-Firefighter team.

COMPETENCE:

- Firefighter at head gives commands.
- Lift with legs.
- Perform correct carry.
- Move victim 40 feet.

TIME: 1:00 Minute

B. Move an unconscious firefighter with or without functioning SCBA, 40 feet using the coat drag.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.9 (B)

CONDITION: Wearing full protective clothing, 2-Firefighter team.

COMPETENCE:

- Place firefighter face-up.
- Grasp fire coat by collar.
- Work as a team to move firefighter to safe area.
- Move firefighter 40 feet.

TIME: 1:00 Minute

C. Move an unconscious victim 40 feet using the blanket drag.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.9 (B)

CONDITION: Wearing full protective clothing, 2-Firefighter team and blanket.

COMPETENCE:

- Place victim face-up.
- Roll victim to one side and place blanket under victim.
- Roll victim opposite side and pull blanket to other side of victim.
- Work as a team, grasp blanket near victims head and move to safe area.
- Move victim 40 feet.

TIME: 1:00 Minute

VENTILATION**40- Demonstrate determining the integrity of a roof by sounding.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.12 (B)

CONDITION: Wearing full protective clothing, axe, ladder, rope.

COMPETENCE:

- Sound roof before stepping on.
- Stay on roof supports.
- Sound roof to locate supports.
- Mark location of rafters or solid supports.

TIME: 2:00 Minutes

41- Demonstrate procedures for breaking window or door glass and removing obstructions, from ground level and while working from a ladder.**A. Ground level.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.11 (B)

CONDITION: Wearing full protective clothing, pike pole or axe.

COMPETENCY:

- Stand to windward side of glass pane.
- Strike with tool at top of pane.
- Keep hands above point of impact.
- Stand at 45 degree angle to window/door if using pike pole.
- Clear all glass from frame or track.
- Remove screens and drapes.

TIME: 1:00 Minute

B. From ladder.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.11 (B)

CONDITION: Wearing full protective clothing, pike pole or axe.

SAFETY: LADDER HEELED BY SECOND FIREFIGHTER

COMPETENCY:

- Place ladder to windward side of window.
- Correctly lock-in on ladder.
- Strike with tool at top of pane.
- Keep hands above point of impact.
- Clear all glass from frame or track.
- Remove screens and drapes.

TIME: 1:00 Minute

42- Demonstrate opening a 4 ft. X 4 ft. ventilation hole for all of the following for vertical ventilation.

A. Pitched or Flat roof.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.12 (B)

CONDITION: Wearing full protective clothing, fire axe, power saw, pike pole, roof ladder, and 3-Firefighter team.

COMPETENCE:

- Proper placement of roof ladder, windward side.
- Use spotter for safety.
- Sound roof and mark rafters or structural supports.
- Remove built up roof material.
- Correctly open ventilation hole.
- Use pike pole to push down ceiling.
- Exit roof area once ventilation hole is completed.

TIME: 4:00 Minutes (time starts when cut begins)

B. Roof.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.12 (B)

CONDITION: Wearing full protective clothing, chain saw, circular saw, or axe, and pike pole 3-Firefighter team.

COMPETENCE:

- Start saw on ground to check operation, shut down before hoisting.
- Proper carry or hoist of tool.
- Proper placement of roof ladder, windward side.
- Use spotter for safety.
- Sound roof and mark rafters or structural supports.
- Remove built up roof materials.
- Correctly open ventilation hole.
- Use pike pole to push down ceiling.

TIME: 2:00 Minutes (time starts when cut begins)

43- Demonstrate the set up of a smoke ejector in a door or window to ventilate a structure using "negative pressure" ventilation.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.11 (B)

CONDITION: Wearing full protective clothing, SCBA, 2-Firefighter team, smoke ejector.

COMPETENCE:

- Place smoke ejector to exhaust in the same direction as the natural wind
- Seal around ejector to eliminate air churning
- Open windows and doors on windward side of structure to aid in ventilation process
- Keep airflow in as straight a line as possible
- Remove all obstacles to airflow
- Start smoke ejector

TIME: 3:00 Minutes

44- Demonstrate the set up of a high volume blower fan in a doorway for "positive pressure" ventilation of a structure.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.11 (B)

CONDITION: Wearing full protective clothing, SCBA, 2-Firefighter team, positive-pressure ventilation blower/fan.

COMPETENCY:

- Start positive pressure blower.
- Set blower so that the cone of air from the blower completely covers the door opening.
- Set blower so placement does not interfere with entry and exit of firefighters from the building.
- Exhaust opening should be 75 to 150 percent as large as the entry opening.
- Open interior doors systematically to maintain positive pressure in the structure.

TIME: 3:00 Minutes

OVERHAUL OPERATIONS**45- Demonstrate search and exposure of hidden fires in: walls, ceilings, and floors.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.8 (B), 4.3.13 (B)

CONDITION: Wearing full protective clothing, appropriate tools, flashlight, hose line or water extinguisher.

COMPETENCE:

- Search for hidden fires using; sight, touch, sound, or electronic sensors.
- Feel for heat with the back of ungloved hand.
- With appropriate tool open walls, ceilings, and floors to expose hidden fire.
- Expose void spaces without compromising structural integrity.
- Use water as needed to extinguish hidden fires as found.
- Fire cause evidence is preserved

TIME: 5:00 Minutes

SALVAGE OPERATIONS

46- Demonstrate the proper folds and rolls for salvage covers:

A. Fold or roll a salvage cover for one-firefighter spread.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, minimum 10' X 12' salvage cover, 2-Firefighter team.

COMPETENCE:

- Fold cover to reduce size.
- Fold with finish side out.
- Finish cover by rolling or folding.

TIME: 1:00 Minute

B. Fold or roll a salvage cover for two-firefighter spread.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, minimum 10' X 12' salvage cover and 2-Firefighter team

COMPETENCE:

- Fold cover to reduce size.
- Fold with finish side out.
- Finish cover by folding for two-firefighter spread.

TIME: 1:00 Minute

47- Demonstrate one-firefighter and two-firefighter deployment of a salvage cover.

A. One-firefighter deployment.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, minimum 10 ft. X 12 ft. salvage cover.

COMPETENCE:

- Stack or cluster objects to be covered.
- Lay cover in the center of objects to be covered.
- Unfold or unroll cover over all objects.
- Snap cover open at ends.
- Tuck cover in at bottom.

TIME: 1:00 Minute

B. Two-firefighter deployment (Balloon Throw).

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, minimum 10 ft. X 12 ft. salvage cover and 2-Firefighter team.

COMPETENCE:

- Stack or cluster objects to be covered.
- Stretch cover along one side of the object to be covered.
- Make several accordion folds with inside hand.
- Pull the cover tight and throw, pocketing as much air as possible.
- As a team float the cover over the object to be covered.
- Guide into position and tuck in at bottom.

TIME: 1:00 Minute

48- Demonstrate the proper construction of a water chute (minimum 10 ft.) down a stairwell or out a window.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, salvage cover, attic ladder or 2-pike poles and 2-Firefighter team.

COMPETENCE:

- Open salvage cover.
- Roll salvage cover edges over pike poles and turn over to create water chute.
- Adjust water chute on ladder for water removal out window.
- Remove water from structure.

TIME: 2:00 Minutes

49- Demonstrate the proper construction of a catchall.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, minimum 10ft X 12ft salvage cover and 2-Firefighter team.

COMPETENCE:

- Open salvage cover.
- Fold corners inward at 45 degree.
- Roll sides inward approximately 3'.
- Tuck the end roll under the side roll to lock.

TIME: 2:00 Minutes

50- Demonstrate the covering or closing of building openings including: doors, windows, floors, and roofs.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, appropriate materials to cover openings, 2-Firefighter team

COMPETENCE:

- Select correct material to cover openings.
- Use sufficient amount of material to cover the opening completely.
- Tack edges of material down completely to keep weather out.

TIME: 5:00 Minutes

51- Separate, remove, and relocate charred material from un-charred material while protecting the area of fire origin for determination of fire cause.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.7 (B), 4.3.8 (B), 4.3.14 (B)

CONDITION: Wearing full protective clothing, appropriate tools and equipment, flashlight, hoseline or water extinguisher, two firefighter team.

COMPETENCE:

- Separate charred from un-charred material.
- Extinguish any smoldering material.
- Remove charred material to safe area.
- Preserve any evidence found by leaving where found.

TIME: 5:00 Minutes

52- Demonstrate stopping the flow of water from a discharging sprinkler head, using a wedge or stopper.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing, wedges or stopper.

COMPETENCE:

- Select appropriate tool.
- Stop sprinkler flow.

TIME: 1:00 Minute

53- Operate a main control valve on an automatic sprinkler system from "open" to "closed" and then back to "open".

REFERENCE: NFPA 1001, 2019 Edition, 4.3.14 (B)

CONDITION: Wearing full protective clothing.

COMPETENCE:

- Identify main control valve
- Describe the process of closing valve fully.
- Describe the process of opening valve fully.

TIME: 1:00 Minute

54- Demonstrate the procedure of inspection, cleaning, and maintaining salvage covers.

REFERENCE: NFPA 1001, 2019 Edition, 4.5.1 (B)

CONDITION: Salvage cover, soap and water, brushes or brooms.

COMPETENCE:

- Demonstrate washing and drying salvage cover.
- Inspect cover for tears or holes.
- Mark holes if found and describe repair procedures.

TIME: 2:00 Minutes per cover

WATER SUPPLY**55- Demonstrate hydrant-to-pumper hose connections for a:****A. Forward hose lay.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.15 (B)

CONDITION: Wearing full protective clothing, 2 1/2" or larger supply hose, gate valves, spanner wrenches and hydrant wrench.

COMPETENCE:

- Select correct equipment to connect to hydrant.
- Loop hose around hydrant, place foot on hose, stand on correct side of hydrant for safety.
- Signal apparatus to proceed.
- Connect hydrant gate valves.
- Open hydrant completely, flush, open slowly.
- Charge hoseline, slowly, when signal is given.
- Shut hydrant down slowly to prevent water hammer and check drain.

TIME: 3:00 Minutes (Shutting down hydrant not part of time)

B. Reverse hose lay.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.15 (B)

CONDITION: Wearing full protective clothing, 2 1/2" or larger supply hose, gate valves, spanner wrenches, hydrant wrench, Wye-gate, reducers, 1 1/2" or larger attack line with nozzle, 2-firefighter team, or 3-firefighter team with 3" hose.

COMPETENCE:

- Select equipment needed to place one attack hose in service, and drop at scene. (attack hose 150' in length).
- Remove and ground 50 ft. of supply hose from apparatus.
- Kneel on hose and signal apparatus to proceed.
- Connect attack hose to supply hose, and signal for water when ready.
- Charge hoseline, and open nozzle.

TIME: 3:00 Minutes

56- Demonstrate a hand lay of 300 feet of supply line, 2 1/2" or larger from a pumper to a water source.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.15 (B)

CONDITION: Wearing full protective clothing, appropriate equipment to connect to hydrant, 300 ft of supply hose, 3-Firefighter team.

COMPETENCE:

- Shoulder load 50 ' of hose from hose bed, drag 50 ft. per firefighter.
- Maintain equal distance between firefighters.
- Lay entire length with no kinks or tangles.
- Connect to hydrant.

TIME: 5:00 Minutes

57- Demonstrate the assembly and connecting of the equipment necessary for drafting from a static water supply source.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.15 (B)

CONDITION: Wearing full protective clothing, 2 sections of 2 1/2" or larger hard suction hose, appropriate adapters and tools, roof ladder, 2-Firefighter team.

COMPETENCE:

- Fasten rope to strainer to aid in handling hard suction hose.
- Couple strainer to hard suction hose.
- Couple the two sections of hard suction hose together, taking care not to get dirt in coupling.
- Connect completed hose to apparatus.
- Use ladder to place hard hose on to keep out of dirt/mud.
- Uses rubber mallet to ensure an air-tight connection.

TIME: 5:00 Minutes

58- Demonstrate the assembly and connecting of the equipment necessary for drafting from a portable water tank.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.15 (B)

CONDITION: Wearing full protective clothing, 2 sections of 2 1/2" or larger hard suction hose, appropriate adapters and tools, portable tank, 2-Firefighter team.

COMPETENCE:

- Set up portable water tank.
- Fasten rope to strainer to aid in handling hard suction hose.
- Couple strainer to hard suction hose.
- Couple the two sections of hard suction hose together, taking care not to get dirt in coupling.
- Connect completed hose to apparatus.
- Uses rubber mallet to ensure an air-tight connection.

TIME: 5:00 Minutes

PORTABLE FIRE EXTINGUISHERS**59- Demonstrate the use of portable fire extinguishers on Class A, Class B, and Class C fires.**

REFERENCE: NFPA 1001, 2019 Edition, 4.3.16 (B)

CONDITION: Wearing full protective clothing including eye protection, class A-B-C portable extinguisher.

COMPETENCE:

- Select correct extinguisher for type of fire.
- Check pressure gauge.
- Pull pin and squeeze handle to test extinguisher.
- Approach fire upwind/upgrade.
- Correctly extinguish simulated fire by sweeping the nozzle back and forth at the base of the flames.

TIME: 1:00 Minute

FIREGROUND SUPPORT ACTIVITIES

60- Demonstrate safety procedures when using fire service lighting equipment.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.17 (B)

CONDITION: Wearing full protective clothing, power supply (mounted or portable), lights, cords, connectors, ground-fault interrupter (GFI).

COMPETENCE:

- Start power supply.
- Reset ground-fault interrupter (GFI) if necessary.
- Extend cord and light.
- Illuminate light.

TIME: 2:00 Minutes

61- Demonstrate shutting off utility services to a building:

A. Shut off propane tank or natural gas valve.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.18 (B)

CONDITION: Wearing full protective clothing, appropriate tool for natural gas or propane tank.

COMPETENCE:

- Select correct tool.
- Turn valve(s) to the off position.

TIME: 30 Seconds

B. Secure power to structure by shutting off main power breaker.

REFERENCE: NFPA 1001, 2019 Edition, 4.3.18 (B)

CONDITION: Wearing full protective clothing.

COMPETENCY:

- Select correct breaker.
- Switch breaker to the off position.

TIME: 30 Seconds

DECLARING A MAYDAY

62- Demonstrate procedures for declaring a mayday.

REFERENCE:	NFPA 1001, 2019 Edition, 4.2.4 (B), 4.3.1 (B)
CONDITION:	Wearing personal protective equipment, including SCBA.
COMPETENCE:	<ul style="list-style-type: none"> • Transmit on radio that they are declaring a Mayday (repeat three times) • Waits for acknowledgement of Mayday. • Gives LUNAR report (Location, Unit, Name, Assignment, Resources) • Manually activates PASS device.
TIME:	1:00 Minutes

RAPID INTERVENTION

63- The candidate shall demonstrate procedures to successfully rescue a firefighter that is down or trapped.

REFERENCE:	NFPA 1001, 2019 Edition, 4.2.4 (B), 4.3.1 (B), 4.3.9 (B)
CONDITION:	Wearing PPE including SCBA, being part of a rapid intervention team, and given a scenario
COMPETENCE:	<ul style="list-style-type: none"> • Locates the fighter in trouble • Assesses firefighters' condition and the environment they are in. • Proves an emergency air supply to the trapped or downed firefighter (if necessary) • Calls for additional teams and resources • Successfully removes firefighter to safety
TIME:	5:00 Minutes

AIR MONITORING

64- Air Monitoring

REFERENCE:	NFPA 1001, 2019 Edition, 4.3.21 (B)
CONDITION:	The candidate, given an air monitor and as assignment or task, shall operate an air monitoring instrument, so that the device is operated, and the firefighter recognized the high or low level alarms of the air monitor and takes action to mitigate the hazard.
COMPETENCE:	<ul style="list-style-type: none"> • Demonstrates ability to operate an air monitor. • Recognizes and understands the various monitor alarms. • Takes necessary action to mitigate the hazard causing the alarm.
TIME:	5:00 Minutes