



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 Edition

JPR: AEFF #1

Revised 6/20/2022

5.1.2 Utilize Pre-Incident Plan

Standard Area: General Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.1, NFPA 1081, 2018 Edition		TASK: Utilize a pre-incident plan so that the industrial fire brigade member implements the responses detailed by the plan.			
PERFORMANCE OUTCOME: The candidate shall implement the pre incident plan.					
CONDITIONS: Given pre-incident safety plan(s) and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Identify the following on a pre-incident plan				
1.	Water supply				
2.	Extinguishing agents (systems)				
3.	Site specific hazards				
4.	Automatic fire suppression systems				
5.	Radio communications, dispatch channel				
6.	Radio communications, tactical channel				
7.	Rapid Intervention Crew (RIC)				
8.	Incident management System structure				
	Identify the following Mutual Aid recourse as part of the pre-incident safety plan.				
9.	Responding team off-site				
10.	Response time from off-site				
11.	Public or private organizations responding				
12.	Interface Personnel Accountability System Plan				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR FACILITY FIRE BRIGADE MEMBER NFPA 1081, 2018 Edition

5.2.1 PPE AND SCBA

AEFF #2

Standard Area: General Skills Requirements

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.1, 5.2.9 NFPA 1081, 2018 Edition		TASK: Candidate shall don personal protective equipment and SCBA.			
<p>PERFORMANCE OUTCOME: The candidate shall don personal protective equipment and SCBA according to manufacturer's guidelines or local standard operating procedures. The candidate must obtain 100 % to successfully complete this skill. Candidate's choice of method for donning SCBA.</p> <p>Note: The order the candidate performs these steps is not relevant as long as all PPE is safely donned.</p> <p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Full protective clothing including SCBA • SCBA storage case or compartment • PASS device <p>CONDITIONS: Given personal protective equipment and SCBA, the candidate shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Don Protective Clothing				
1.	Don pants and boots according to manufacturer's guidelines, which includes suspenders in place.				
2.	Don hood (may be down around the neck).				
3.	Don coat with closure secure, collar up and wristlets in place.				
4.	Don helmet, with chin strap in place and fastened.				
5.	Don gloves.				
6.	Dons all gear in 120 seconds.				
	Don SCBA: Over-the-Head Method				
1.	Position the SCBA with the valve end of the cylinder away from the body, the cylinder down, and back frame up. All harness straps are fully extended and untangled.				
2.	Open cylinder valve. <ul style="list-style-type: none"> a. Listen for low pressure alarm b. Listen for PASS device if equipped with integrated device c. Fully open valve d. Check that cylinder is at least 90% full 				
3.	Check cylinder and remote pressure gauges. Pressure readings must be within 100 psi OR needles on both pressure gauges indicate same pressure.				
4.	Grab the back frame so that the shoulder straps will be outside of the arms. Raise the SCBA overhead while guiding elbows into the loops formed by the shoulder straps.				

5.	Release the harness assembly and allow the SCBA to slide down the back.				
6.	Fasten chest strap (if available), buckle waist strap, and adjust shoulder straps.				
7.	Don face piece. a. Tighten straps, pulling straps straight back b. Check face piece seal c. No air leakage				
8.	Connect air supply to face piece. a. Take normal breaths.				
9.	Activate PASS device (if not equipped with integrated device).				
10.	Don hood, helmet, and gloves, ensuring no skin is exposed.				
11.	Dons SCBA in 120 seconds.				
	Don SCBA: Coat Method				
1.	Position SCBA with the valve end of the cylinder toward the body, the cylinder down, and back frame up. All harness straps are fully extended and untangled.				
2.	Open cylinder valve. a. Listen for low pressure alarm b. Listen for PASS device if equipped with integrated device c. Fully open valve d. Check that cylinder is at least 90% full				
3.	Check cylinder and remote pressure gauges. Pressure readings must be within 100 psi OR needles on both pressure gauges indicate same pressure.				
4.	Grasp the top of the left shoulder strap on the SCBA with the left hand and raise the SCBA to shoulder height.				
5.	Guide the left elbow through the loop formed by the left shoulder strap. Swing SCBA around left shoulder.				
6.	Guide the right arm through the loop formed by the right shoulder strap allowing the SCBA to come to rest in proper position.				
7.	Fasten chest strap (if available), buckle waist strap, and adjust shoulder straps.				
8.	Don face piece. a. Tighten straps, pulling straps straight back b. Check face piece seal c. No air leakage				
9.	Connect air supply to face piece and take normal breaths.				
10.	Activate PASS device (if not equipped with integrated device).				
11.	Don hood, helmet, and gloves, ensuring no skin exposed.				
12.	Dons SCBA in 120 seconds.				

Don Protective Clothing:

First Test:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

Don SCBA: Over-the-Head Method

First Test:

Total points needed to pass: 11 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 11 Total points scored: _____ All must pass items passed: Yes _____ No _____

Don SCBA: Coat Method

First Test:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments:



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 Edition

5.2.2 Change a SCBA cylinder — One-person method. Standard Area: General Skills Requirements

AEFF #3

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.2 NFPA 1081, 2018 Edition		TASK: Change a SCBA cylinder one person method.			
PERFORMANCE OUTCOME: The candidate shall change a SCBA cylinder one person method. The candidate must pass a minimum of 10 out of 13 steps, including any steps marked as a must pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing and SCBA• Salvage cover• Replacement cylinder					
CONDITIONS: Given an empty SCBA and a full cylinder the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Place the SCBA unit on a firm surface.				
2.	Close the cylinder valve.				
3.	Bleed air pressure from high- and low-pressure hoses.				
4.	Disconnect the high-pressure coupling from the cylinder.				
5.	Remove the empty cylinder from harness assembly.				
6.	Verify that replacement cylinder is 90-100% of rated capacity. Must Pass				
7.	Check the cylinder valve opening and the high-pressure hose fitting for debris, and O ring. Replace damaged or missing O ring if applicable				
8.	Place the new cylinder into the backpack.				
9.	Connect the high-pressure hose to the cylinder and hand-tighten.				
10.	Slowly and fully open the cylinder valve and listen for low pressure alarm and leaks as the system pressurizes. Must Pass				
11.	If air leaks are detected, determine if connections need to be tightened or if valves, donning switch, etc. need to be adjusted. Otherwise SCBA with audible leaks due to malfunctions shall be removed from service, tagged, and reported to the officer. Must Pass				
12.	Don regulator and take normal breaths.				
13.	Check pressure reading on remote gauge and/or indicators. Pressure readings must be within 100 psi OR needles on both gauges must indicate the same pressure. Must Pass				

First Test:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.2 Change a SCBA cylinder — Two-person method. Standard Area: General Skills Requirement

AEFF #4

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.2 NFPA 1081, 2018 Edition		TASK: Change a SCBA cylinder, two person method.			
PERFORMANCE OUTCOME: The candidate shall change a cylinder, two person method. The candidate must pass a minimum of 10 out of 14 steps, including any steps marked as a must pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Full protective clothing and SCBA • Salvage cover • Replacement cylinder 					
CONDITIONS: Given an empty SCBA cylinder and a full SCBA cylinder, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Disconnect the regulator from the face piece or disconnect the low-pressure hose from the regulator.				
2.	Position the cylinder for easy access by kneeling down or bending over.				
3.	Fully close the cylinder valve.				
4.	Release the air pressure from the high- and low-pressure hoses.				
5.	Disconnect the high-pressure coupling from the cylinder.				
6.	Remove the empty cylinder from harness assembly.				
7.	Inspect replacement cylinder and ensure that cylinder is 90-100% of rated capacity. Must Pass				
8.	Place the new cylinder into the harness assembly.				
9.	Check the cylinder valve opening and the high-pressure hose fitting for debris and O ring. Replace damaged or missing O ring				
10.	Connect the high-pressure hose to the cylinder and hand-tighten.				
11.	Slowly open the cylinder valve fully and listen for low pressure alarm and leaks as the system pressurizes. Must Pass				
12.	If air leaks are detected, determine if connections need to be tightened or if valves, donning switch, etc. need to be adjusted. Otherwise SCBA with audible leaks due to malfunctions shall be removed from service, tagged, and reported to the officer. Must Pass				
13.	Don regulator and take normal breaths.				
14.	Check pressure reading on remote gauge and/or indicators. Pressure readings must be with 100 psi OR needles on both pressure gauges must indicate the same pressure. Must Pass				

First Test:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.2 Demonstrate low profile maneuvers without removing SCBA. Standard Area: General Skills Requirements

AEFF #5

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.2, 5.2.4 NFPA 1081, 2018 Edition		TASK: Demonstrate low profile maneuvers without removing SCBA.			
PERFORMANCE OUTCOME: The candidate shall exit a constricted passage while wearing SCBA using either the Side Technique or SCBA First Technique (Candidate's choice of method). The candidate must pass a minimum of 7 out of 10 steps, including any steps marked as a must pass item to successfully complete the Side Technique, or 7 out of 9 steps including any steps marked as a must pass item to successfully complete the SCBA First Technique.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Full protective clothing and SCBA for two firefighters • Handheld radios • Constricted passage/exit 					
CONDITIONS: Given full PPE and SCBA and a restricted opening the candidate shall demonstrate the ability to: This is a skill that is simulating extreme conditions. For the purposes of this skill it is recommended that a standard stud wall be used to demonstrate this skill. The studs should be spaced 16 inches (406 mm) on center. Have the candidate pass through this type of opening to demonstrate this skill.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Don personal protective clothing and SCBA before entering hazardous atmosphere.				
2.	Negotiate your way to the narrow passage or constricted exit.				
3.	Remain calm and follow steps for MAYDAY transmission. Must Pass				
	Side technique				
4.	Loosen waist strap and right shoulder strap.				
5.	Remove right arm from right shoulder strap.				
6.	Shift SCBA to left side and tuck under left armpit.				
7.	Ensure that waist strap remains buckled and left arm remains in shoulder strap.				
8.	Use tool to sound the other side of the wall before exiting the room. Must Pass				
9.	With SCBA tucked tightly under left armpit, lay on right side to create a low profile and attempt escape through restricted opening. Must Pass				
10.	Exit hazardous atmosphere and notify Command when safe.				

	SCBA first technique				
4.	Use tool to sound the floor on the other side of the wall before exiting the room. Must Pass				
5.	Sit with SCBA and back toward the opening.				
6.	Place one arm and SCBA cylinder into the opening.				
7.	Using a backstroke technique, swim other arm through the opening				
8.	Using both arms and wall board for leverage, pull through the space. Must Pass				
9.	Exit hazardous atmosphere and notify Command when safe.				

Side technique

First Test:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

SCBA first technique

First Test:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.2 Perform emergency operations procedures for an SCBA. Standard Area: General Skills Requirements

AEFF #6

Revised 03/03/2016

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.2 NFPA 1081, 2018 Edition		TASK: Demonstrate the proper procedures to take in an SCBA air emergency.			
PERFORMANCE OUTCOME: The candidate shall don PPE and control breathing rate and operate an SCBA in the event of an SCBA air emergency failure while operating in a simulated hazardous environment. The candidate must pass a minimum of 5 out of 6 steps, including any steps marked as a must pass item to successfully complete Bypass resumes air flow, a minimum of 6 out of 8 steps including any steps marked as a must pass item to successfully complete Bypass results in no return of air flow, or 7 out of 9 steps including any steps marked as a must pass item to successfully complete Airflow emergency is due to other SCBA malfunction. Proctor's choice of method.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> Full protective clothing and SCBA Limited visibility situation (simulated smoke or face piece covers) Handheld radios 					
CONDITIONS: Given PPE and SCBA with a blacked out mask or simulated smoke conditions, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Recognize the emergency.				
2.	Demonstrate a controlled breathing technique, such as inhaling naturally through the nose, and exhaling forcefully through the mouth, or humming.				
3.	Drop face to the ground: <ul style="list-style-type: none"> a. Ensure cylinder valve is fully open b. Open regulator bypass valve as directed by local SOPS c. Check remote gauge or indicators, if applicable Must Pass				
	If bypass resumes air flow:				
4.	If opening on bypass valve returns air supply, immediately exit the IDLH environment only opening the valve as needed.				
5.	Ensure that you communicate your emergency with your crew and command via MAYDAY transmission. Must Pass				
6.	Activate PASS device if trapped or disoriented. Must Pass				
	If bypass results in no return of air flow:				
4.	If still unable to get air with bypass valve fully open: <ul style="list-style-type: none"> a. Create a gap between chin and mask seal to take a breath b. Ensure that your regulator stays in place and protective hood stays sealed around lower lip of mask 				
5.	Communicate your emergency with your crew and command via MAYDAY transmission. Must Pass				
6.	Activate PASS device. Must Pass				
7.	Stay low to the ground:				

	a. Attempt to escape the IDLH environment b. Ensure protective hood remains in place to “filter” air as much as possible.				
8.	If trapped, stay calm and limit breathing until rescue team arrives.				
	If air emergency is due to other SCBA malfunction:				
4.	Stay low to the ground and use emergency breathing techniques.				
5.	Assess: a. Can malfunction be fixed or bypassed? b. Can air from the cylinder be used if removed from harness?				
6.	Communicate your emergency with your crew and command via MAYDAY transmission. Must Pass				
7.	Activate PASS device. Must Pass				
8.	Attempt to escape the IDLH environment.				
9.	If trapped or disoriented: a. Attempt to remove cylinder from pack and utilize air for breathing, conserving after each breath. b. Wait until rescue team arrives				

If bypass resumes air flow

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

If bypass results in no return of air flow

First Test:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

If air emergency is due to other SCBA malfunction

First Test:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.3 Extend a hoseline.

Standard Area: General Skills Requirements

AEFF #7

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3 NFPA 1081, 2018 Edition		TASK: Extend a hoseline.			
PERFORMANCE OUTCOME: The candidate shall don PPE and SCBA and extend a hoseline. The candidate must pass a minimum of 6 out of 8 steps, including any steps marked as a must pass item to successfully complete this skill. (candidate does not need to be on air)					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing and SCBA• Charged 1½- to 3-inch (38 or 77 mm) hand line with nozzle• Hose clamp					
CONDITIONS: Given PPE, hose and appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Bring additional sections of hose as needed to the nozzle end of the hoseline.				
2.	Open the nozzle slightly.				
3.	Apply a hose clamp approximately 5 feet (1.5 m) behind the nozzle OR call for hoseline to be shut down at the pump panel. Must Pass				
4.	Remove the nozzle.				
5.	Add the new section(s) of hose. Must Pass				
6.	Reattach the nozzle.				
7.	Recharge the hoseline by slowly releasing the hose clamp or calling for the line to be charged.				
8.	Check nozzle pattern and bleed air from hoseline.				

First Test:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 6 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.3 Replace a burst hoseline.

Standard Area: General Skills Requirements

AEFF #8

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3 NFPA 1081, 2018 Edition		TASK: Replace a burst hoseline.			
PERFORMANCE OUTCOME: The candidate shall don PPE and SCBA and replace a burst hoseline. The candidate must pass a minimum of 4 out of 5 steps, including any steps marked as a must pass item to successfully complete this skill. (candidate does not need to be on air)					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing and SCBA• Hoseline• Replacement hose• Hose clamp					
CONDITIONS: Given PPE, hose and appropriate tools, the candidate shall demonstrate the ability to:					
WARNING! Do not perform this procedure with an actual loose line. The unpredictability of the line makes the risk of injury to the trainee too great.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Call for hoseline to be shut down or use hose clamp to stop flow. Must Pass				
2.	Retrieve two sections of replacement hose.				
3.	Remove burst section of hose.				
4.	Couple replacement sections of hose into hoseline using two sections of hoseline to ensure the line will reach objective. Must Pass				
5.	Call for hoseline to be charged or remove hose clamp.				

First Test:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.3 Uncouple a hose.

Standard Area: General Skills Requirements

AEFF #9

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3 NFPA 1081, 2018 Edition		TASK: Uncouple a hose using either the Knee-Press Method or the Two-Firefighter Method. (Proctor's choice of method)			
PERFORMANCE OUTCOME: The candidate shall uncouple a hose using either the Knee-Press Method or the Two-Firefighter Method. The candidate must pass a minimum of 4 out of 5 steps to successfully complete the Knee-Press Method or obtain 100 % to successfully complete the Two-Firefighter Method. (Proctor's choice of method)					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Hose• gloves					
CONDITIONS: Given gloves and a hose, the candidates shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Knee-Press Method				
1.	Grasp the hose behind the female coupling.				
2.	Stand the male coupling on end.				
3.	Set feet well apart for balance.				
4.	Place one knee upon the hose and shank of the female coupling.				
5.	Snap the swivel quickly in a counterclockwise direction as body weight is applied to loosen the connection.				
	Two-Firefighter Method				
1.	Both Firefighters: Take a firm two-handed grip on respective coupling and press the coupling toward the other firefighter, thereby compressing the gasket in the coupling.				
2.	Both Firefighters: Keep arms stiff, and use the weight of both bodies to turn each hose coupling counterclockwise, thus loosening the connection.				

Knee Press Method

First Test:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Two Firefighter Method

First Test:

Total points needed to pass: 2 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 2 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.3 Couple a hose.

Standard Area: General Skills Requirements

AEFF #10

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3 NFPA 1081, 2018 Edition		TASK: Couple a hose using the Foot-Tilt Method or the Two-Firefighter Method.			
PERFORMANCE OUTCOME: The candidate shall couple a hose using the Foot-Tilt Method or the Two-Firefighter Method. The candidate must pass a minimum of 4 out of 5 steps to successfully complete the Foot-Tilt Method or a minimum of 5 out of 7 steps to successfully complete the Two-Firefighter Method. (Proctor's choice of method)					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Hose • Gloves 					
CONDITIONS: Given PPE and a hose, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Foot-Tilt Method				
1.	Stand facing the two couplings so that one foot is near the male end.				
2.	Place a foot on the hose directly behind the male coupling.				
3.	Apply pressure to tilt it upward.				
4.	Grasp the female end by placing one hand behind the coupling and the other hand on the coupling swivel.				
5.	Bring the two couplings together, align the Higbee cut, and turn the swivel clockwise with thumb to make the connection.				
	Two-Firefighter Method				
1.	Firefighter #1: Grasp the male coupling with both hands.				
2.	Firefighter #1: Bend the hose directly behind the coupling.				
3.	Firefighter #1: Hold the coupling and hose tightly against the upper thigh or midsection with the male threads pointed outward.				
4.	Firefighter #2: Grasp the female coupling with both hands.				
5.	Firefighter #2: Bring the two couplings together, and align the Higbee cut.				
6.	Firefighter #2: Turn the female coupling counterclockwise until a click is heard. This indicates that the threads are aligned.				
7.	Firefighter #2: Turn the female swivel clockwise to complete the connection.				

Foot Tilt Method**First Test:**

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Two Firefighter Method**First Test:**

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date**Proctor/Candidate Comments:**



D EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER 2018 EDITION

5.2.3 Locate and suppress hidden fires.AEFF #11 Standard Area: General Skills Requirements

11/19/2019

Candidate: _____
Student#: _____

Date: _____

STANDARD: 5.2.3, 5.3.10 NFPA 1081, 2018 Edition		TASK: Locate and extinguish hidden fires.			
<p>PERFORMANCE OUTCOME: The candidate shall locate and extinguish hidden fires. The candidate must pass a minimum of 4 out of 5 steps, including any steps marked as a Must Pass item to successfully complete this skill.</p> <p>Ensure firefighter safety at all times during this training evolution. Before proceeding with live fire training evolutions, read and adhere to NFPA 1403®, <i>Standard on Live Fire Training Evolutions</i>. Have students repeat this exercise, rotating duties so that each student has a chance to perform these tasks.</p>					
<p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Full protective clothing and SCBA for all firefighters • Training prop that simulates hidden fires • One 1½-inch (38 mm) or larger charged attack line equipped with a fog nozzle • One 1½-inch (38 mm) or larger charged backup line supplied from a second water source • Hand tools such as pike poles and axes • Carryall or bucket for debris 					
<p>CONDITIONS: Given PPE and SCBA, training props, hoselines and nozzles and appropriate tools, the candidate shall demonstrate the ability to:</p>					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to conduct overhaul.				
2.	Locate area(s) with potential hidden or smoldering fire. a. Use heat detector or thermal imaging device b. Observe fire area to detect smoking or smoldering materials – watch, listen, feel c. Observe burn and smoke patterns d. Wear appropriate personal protective equipment, including SCBA Must Pass				
3.	Remove ceiling and wall covering and insulation. a. Begin with area closest to hidden or smoldering fire b. Overhaul area until unburned structural materials are visible c. Preserve potential evidence for fire cause investigation d. Minimize damage when possible				
4.	Extinguish hidden and smoldering fires with small handline. a. Use minimal water for extinguishment b. Complete extinguishment – no hidden or smoldering fires remain c. Remove stuffed materials such as mattresses from structure and overhaul outside Must Pass				
5.	Report to officer completion of assigned task.				

6.	Clean and return all tools and equipment to service				
----	---	--	--	--	--

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Proctor/Candidate Comments:

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.8 Exit a hazardous area.

Standard Area: General Skills Requirements

AEFF #12

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.7, 5.2.8 NFPA 1081, 2018 Edition		TASK: Exit a hazardous area using a hoseline, before air supply depletion.			
PERFORMANCE OUTCOME: The candidate, while operating as a member of a team at a simulated fire scene, shall be able to locate a hoseline, keep track of his/her air supply, and use the hoseline as a guideline so that the hazardous area is exited prior to depletion of air supply. The candidate must pass a minimum of 5 out of 6 steps, including any steps marked as a Must Pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing with SCBA• Area or structure to be exited					
CONDITIONS: Given SCBA, light, assortment of forcible entry tools, team member, scenario with hazardous environment and in full protective clothing, the candidate shall be able to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Size up environment. <ul style="list-style-type: none">a. Hazards presentb. Changing conditionsc. Status of team				
2.	Determine that immediate exit by team is required. <ul style="list-style-type: none">a. Immediate threat to life safety existsb. Communicate need to exit to team members Must Pass				
3.	Locate hoseline: <ul style="list-style-type: none">a. Use couplings to determine location of exit.b. Determine the direction of the male coupling.				
4.	Exit structure or hazardous area following the male coupling of the hose. <ul style="list-style-type: none">a. Maintain team integrity and communicationb. Maintain situational awarenessc. Monitor level of breathing air in SCBA cylinder Must Pass				
5.	Move to safe area after exiting structure or hazardous area. Maintain use of SCBA and PPE while hazards are present. Must Pass				
6.	Notify officer of situation using local procedures. Request assistance if required				

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

<hr/>	<hr/>	<hr/>	<hr/>
Proctor (Print & Sign)	Date	Candidate	Date
<hr/>	<hr/>	<hr/>	<hr/>
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments:



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.4 Extinguish an ignitable liquid fire. Standard Area: Site Specific Skills Requirements

AEFF #13
Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.4 NFPA 1081, 2018 Edition		TASK: Student will apply foam to a Class B fire and extinguish.			
<p>PERFORMANCE OUTCOME: The candidate shall apply foam to a Class B fire and extinguish. The candidate must pass a minimum of 7 out of 9 steps, including any steps marked as a Must Pass item to successfully complete either the Rain Down, Bank Down or Roll On Method (Instructor's choice of method).</p> <p>Proctor may give students a common hydrocarbon liquid or polar solvent. Students should be prepared to select the correct foam type and set or request the correct foam percentage. Inform each firefighter of their position and tasks to perform. A safety officer should check each student's gear before you enter the danger zone.</p> <p>Ensure firefighter safety at all times during this training evolution. Before proceeding with live fire training evolutions, read and adhere to NFPA 1403®, <i>Standard on Live Fire Training Evolutions</i>. Have students repeat this exercise, rotating the hoseline duties so that each student has a chance to perform on the nozzle.</p>					
<p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Full protective clothing including SCBA for all firefighters • Class B fire prop (min. 100 square feet [30 m²] or larger) • Hand lines appropriate for the size of prop • Accountability system • Attack line supplied by a separate water source • Back-up line supplied by a separate water source • Aspirating nozzles and/or attachments • Handheld radios. 					
CONDITIONS: Given PPE, SCBA, a class B fire and appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to extinguish fire.				
2.	Size up incident scene for hazards. a. Fire conditions b. Type of fuel c. Wind conditions d. Escape route Must Pass				
3.	Verify foam type and concentration are appropriate for fuel and fire conditions.				
4.	Verify attack line is functioning and ready for attack, by bleeding air from the line and checking patterns. Must Pass				
5.	Extend hoseline to point of fire attack. a. Upwind and uphill b. Able to apply stream as needed				
6.	Extinguish fire by applying foam solution as directed. (Proctor is to choose one method) a. Rain down method b. Bank down method c. Roll on method				

7.	Rain-Down Method <ol style="list-style-type: none"> Direct foam stream into air above fire or spill so that foam floats gently down onto surface of fuel Maintain stream as foam spreads across surface of fuel For small fires – sweep stream gently back and forth For large fires – direct stream to one location and allow foam to float out from that point Apply foam until it spreads across entire surface of the fuel and extinguishes fire Must Pass				
7.	Bank-Down Method <ol style="list-style-type: none"> Direct foam stream onto nearby elevated object; allow foam to run down onto surface of fuel Maintain stream as foam spreads across surface of fuel Apply foam until it spreads across entire surface of fuel and extinguishes fire Must Pass				
7.	Roll-On Method <ol style="list-style-type: none"> Direct foam stream on the ground near front edge of fire so that foam rolls across surface of fuel Maintain stream as foam rolls across surface of fuel Apply foam until it spreads across entire surface of fuel and extinguishes fire Must Pass				
8.	Maintain situational awareness.				
9.	Report to officer completion of assigned task.				

Rain-Down

First Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Second Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Bank-Down

First Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Second Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Roll-On

First Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Second Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.4 Place a foam line in service — In-line eductor. Standard Area: Site Specific Skills Requirements

AEFF #14

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3, 5.3.4, 5.3.10 NFPA 1081, 2018 Edition		TASK: Place a foam line in service.			
PERFORMANCE OUTCOME: The candidate shall place a foam line in service. The candidate must pass a minimum of 9 out of 12 steps, including any steps marked as a Must Pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing including SCBA• Foam eductor• Two buckets of foam concentrate• One pumper• Hose and nozzle compatible with eductor• Water supply					
CONDITIONS: Given foam concentrate, eductor, hose a pumper and appropriate tools the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to place line in service.				
2.	Select the proper foam concentrate for the burning fuel involved.				
3.	Place the foam concentrate at the eductor.				
4.	Do not begin until you are sure you have enough foam.				
5.	Check the eductor and nozzle for hydraulic compatibility (rated for the same flow).				
6.	Adjust the eductor metering valve to the same percentage rating as that listed on the foam concentrate container. Must Pass				
7.	Attach the eductor to a hose capable of efficiently flowing the rated capacity of the eductor and the nozzle. At least 50 ft (15 m) and no more than 200 ft (60m) from the nozzle.				
8.	Attach the attack hoseline and desired nozzle to the discharge end of the eductor. Avoid kinks in the hose.				
9.	Place the eductor suction hose into the foam concentrate.				
10.	Open nozzle fully.				
11.	Increase the water-supply pressure to that required for the eductor. Be sure to consult the manufacturer's recommendations for the specific eductor.				
12.	Report to officer completion of assigned task.				

First Test

Total points needed to pass: 9 Total points scored: _____ All must pass items passed: Yes _____ No _____

Second Test

Total points needed to pass: 9 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____ Proctor (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Proctor	_____ Date	_____ Re-Test Candidate	_____ Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.5 Control a pressurized flammable gas container fire. Standard Area: Site Specific Skills Requirements

AEFF #15
Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3 5.3.5, 5.3.10 NFPA 1081, 2018 Edition		TASK: Control a pressurized flammable gas container fire.			
<p>PERFORMANCE OUTCOME: The candidate shall control a pressurized flammable gas container fire. The candidate must pass a minimum of 7 out of 9 steps; including any steps marked as a Must Pass item to successfully complete this skill.</p> <p>Ensure firefighter safety at all times during this training evolution. Before proceeding with live fire training evolutions, read and adhere to NFPA 1403®, <i>Standard on Live Fire Training Evolutions</i>. Have students repeat this exercise, rotating the hose line duties so that each student has a chance to perform on the nozzle.</p> <p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Full protective clothing including SCBA for all firefighters • Flammable gas cylinder fire prop set up and monitored according to NFPA 1403®. The NFPA® does not indicate the minimum size or number of fires involving this type of fire • Adequate hand lines to achieve all objectives • Attack lines supplied by a separate water source • Back-up line supplied by a separate water source • Handheld radios. <p>CONDITIONS: Given PPE and SCBA, a flammable propane prop and appropriate tools, the candidate shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to extinguish fire.				
2.	Size up incident scene for hazards. <ol style="list-style-type: none"> Fire conditions Type of fuel Integrity of container Wind conditions Escape route and safe haven Must Pass				
3.	Deploy handlines: <ol style="list-style-type: none"> Bleed air from hoselines and check patterns Ensure adequate hoseline to reach container Must Pass				
4.	Cool cylinder or storage tank. <ol style="list-style-type: none"> Apply straight stream to container Assess cylinder integrity and any changing conditions 				
5.	Extend hoselines to isolate control valve. <ol style="list-style-type: none"> Approach upwind and uphill Push flame away from valve with fog stream (30 degree pattern) If unable to push flame away from valve, withdraw to safe location, and continue to cool cylinder Must Pass				

6.	Maintain situational awareness.				
7.	Close control valve. a. Shut valve completely b. Report to officer that control valve is closed Must Pass				
8.	Cool container from safe distance. a. Withdraw hose lines (backing away) b. Apply straight stream to container				
9.	Report to officer completion of assigned task.				

First Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Second Test

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____ Proctor (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Proctor	_____ Date	_____ Re-Test Candidate	_____ Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.13 Attack a passenger vehicle fire. Standard Area: Site Specific Skills Requirements

AEFF #16
Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3, 5.3.10, 5.3.13 NFPA 1081, 2018 Edition		TASK: Attack a passenger vehicle fire.			
<p>PERFORMANCE OUTCOME: The candidate shall attack a passenger vehicle fire. The candidate must pass a minimum of 8 out of 11 steps, including any steps marked as a Must Pass item to successfully complete this skill.</p> <p>Ensure firefighter safety at all times during this training evolution. Before proceeding with live fire training evolutions, read and adhere to NFPA 1403®, <i>Standard on Live Fire Training Evolutions</i>, exterior props. Have students repeat this exercise, rotating the hoseline duties so that each student has a chance to perform on the nozzle. In step 7 the fire attack should begin with passenger compartment if on fire. If not, attack fire in engine compartment first.</p> <p>A safety officer should check each student's gear before they enter the danger zone.</p> <p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Full protective clothing and SCBA for all firefighters • Training passenger vehicle stripped of any safety hazards according to NFPA® 1403 • Vehicle fire, fueled, set up, and monitored according to NFPA® 1403 • Halligan tool • Two separate water sources • One 1½-inch (38 mm) or larger charged backup line supplied from a second water source • One 1½-inch (38 mm) or larger charged attack line equipped with a fog nozzle • Wheel chocks • Apparatus <p>CONDITIONS: Given PPE, SCBA, a pumper, hoselines, nozzles and appropriate tools, the candidate shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to attack passenger vehicle fire.				
2.	Assess hazards. a. Ensure vehicle is secure, chock wheels if necessary and safe to do so. b. Determine vehicle fuel type				
3.	Lay out attack line for fire attack. a. Use appropriate personal protective clothing including SCBA b. Ensure PPE and SCBA have been checked by the safety officer or your buddy Must Pass c. Select appropriate hoseline and nozzle d. Select appropriate hand tool(s)				
4.	Charge attack line. a. Bleed air from hoseline b. Select appropriate fog pattern Must Pass				

5.	Extinguish any fire under vehicle or in line of approach. Use straight stream for attack.				
6.	Advance attack line to vehicle. a. Size up scene for hazards b. Approach from upwind and uphill if possible c. Approach at 45-degree angle d. Use wide fog pattern for personnel protection Must Pass				
7.	Extinguish fire in passenger compartment. a. Break window to gain entry and ventilate b. Use a narrow fog or straight stream for attack c. Check for victims d. Maintain situational awareness Must Pass				
8.	Extinguish fire in engine compartment. a. Approach from side of vehicle b. Open hood at corner using tool such as Halligan c. Use a narrow fog or straight stream for attack d. When possible, open hood using latch and prop open e. Maintain situational awareness Must Pass				
9.	Extinguish fire in trunk. a. Approach from side of vehicle b. Knock out locking mechanism and open latch c. Open trunk and prop open d. Maintain situational awareness Must Pass				
10.	Overhaul hidden and smoldering fires. a. Preserve fire cause evidence b. Extinguishment is complete – no hidden or smoldering fires remain c. All other hazards such as leaking fuel addressed d. Maintain situational awareness				
11.	Report to officer completion of task.				

First Test:

Total points needed to pass: 8 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 8 Total points scored: _____ All must pass items passed: Yes _____ No _____

<hr/> Proctor (Print & Sign) <hr/>	<hr/> Date <hr/>	<hr/> Candidate <hr/>	<hr/> Date <hr/>
<hr/> Re-Test Proctor <hr/>	<hr/> Date <hr/>	<hr/> Re-Test Candidate <hr/>	<hr/> Date <hr/>

Proctor/Candidate Comments:



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.12 Respond to an incident, correctly mounting and dismounting an apparatus.
Standard Area: Site Specific Skills Requirements

AEFF #17
Revised 6/20/2022

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.12 NFPA 1081, 2018 Edition		TASK: Safely mount and dismount fire department apparatus			
PERFORMANCE OUTCOME: The candidate will correctly mount and dismount an apparatus for incident response. The candidate must pass a minimum of 5 out of 6 steps, including any steps marked as a must pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Full protective clothing• Fire apparatus• Driver/operator for fire apparatus• Hearing protection (if needed).					
CONDITIONS: Given fire apparatus the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Don appropriate personal protective clothing.				
2.	Mount apparatus using handrails and steps per local procedures.				
3.	Sit in a seat within the cab and fasten safety belt.				
4.	Remain seated with safety belt fastened while vehicle is in motion. Must Pass				
5.	When vehicle comes to a complete stop, unfasten safety belt and prepare to dismount.				
6.	Dismount apparatus using handrails and steps per local procedures.				

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.11 Carry a ladder — One-firefighter low-shoulder method. Standard Area: Site Specific Skills Requirements

AEFF 18

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.11 NFPA 1081, 2018 Edition		TASK: Carry a ladder using the one-firefighter low-shoulder method.			
PERFORMANCE OUTCOME: The candidate shall don appropriate PPE and carry a ladder a distance of at least 20 feet (6m) using the one-firefighter low-shoulder method. The candidate must pass a minimum of 7 out of 9 steps including any steps marked as a must pass item, to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Protective clothing• One 14-foot (4.3 m) single (wall) ladder or one 24-foot (8 m) extension ladder					
CONDITIONS: Given PPE and a ladder, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Position yourself at lifting point near the center of the ladder.				
2.	Kneel beside the ladder.at lifting point, facing ladder tip and on knee closest to ladder				
3.	Grasp the ladder rung opposite your knee with hand closest to ladder, palm forward.				
4.	Stand the ladder on edge. Pivot on nearer beam, raising farther beam				
5.	Stand up. Use leg muscles, keeping back straight and vertical				
6.	Reposition yourself for carrying as ladder is brought up. Pivot toward butt of ladder, and insert other arm through rungs.				
7.	Carry ladder with upper beam resting on shoulder, butt lowered slightly.				
8.	Walk with ladder 20 feet (6m), steadied with both hands. Must Pass				
9.	Lower the ladder to the ground, reversing lifting procedure.				

First Test:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 7 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.11 Carry a ladder — Two-firefighter low-shoulder method. Standard Area: Site Specific Skills Requirements

AEFF #19

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.11 NFPA 1081, 2018 Edition		TASK: Carry a ladder using the two-firefighter low-shoulder method.			
<p>PERFORMANCE OUTCOME: The candidate shall don appropriate PPE and carry the ladder at least 20 feet (6 m) using the two-firefighter low-shoulder method. The candidate must pass a minimum of 10 out of 14 steps, including any steps marked as a must pass item to successfully complete this skill.</p> <p>Note: Firefighter #1 is located near the ladder butt end and is in command of the lifting operation. Firefighter #2 is in command of the carrying operation.</p> <p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Protective clothing • One 24-foot (8 m) extension ladder <p>CONDITIONS: Given PPE and a ladder, the candidate shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Both Firefighters: Kneel on the same side of the ladder, one at either end, facing the tip: The knee closest to the ladder is the one touching the ground				
2.	Firefighter #1 gives the command "Prepare to beam."				
3.	Both Firefighters: Gasp the ladder beam away from your body.				
4.	Firefighter #1: Give the command to: "Beam."				
5.	Both Firefighters: Pull the ladder into position against them, resting the ladder on its beam.				
6.	Firefighter #1: Give the command "Prepare to shoulder the ladder."				
7.	Firefighter #1: Give the command "Shoulder the ladder."				
8.	Both Firefighters: Stand, using the leg muscles to lift the ladder.				
9.	Both Firefighters: Tilt the far beam upward as the ladder and the firefighters rise.				
10.	Both Firefighters: Pivot and place the free arm between two rungs. a. Both firefighters facing the butt b. Lifting smoothly and continuously				
11.	Both Firefighters: Place the upper beam on the shoulders.				
12.	Firefighter #2: Now in command of advancing the ladder, gives the command to "Advance."				
13.	Walk with ladder 20 feet (6 m), steadied with both hands. Must Pass				

14.	Lower the ladder to the ground, reversing the lifting procedure.				
-----	--	--	--	--	--

First Test:
 Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:
 Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____ Proctor (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Proctor	_____ Date	_____ Re-Test Candidate	_____ Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.11 Raise a ladder — One-firefighter single ladder – Beam or Flat Method Standard Area: Site Specific Skills Requirements

AEFF #20

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.11 NFPA 1081, 2018 Edition		TASK: Raise a ladder using the one-firefighter single ladder – Beam Method or Flat Method. Student Choice of Method.			
PERFORMANCE OUTCOME: The candidate shall don PPE and raise a ladder using the one-firefighter single ladder- Beam Method or Flat Method. The candidate must pass a minimum of 5 out of 6 steps, including any steps marked as a pass/fail item to successfully complete either the Beam Method or the Flat Method. (Student's choice of method)					
CONDITIONS: Given PPE and a single wall ladder, the candidate shall demonstrate the ability to:					
EQUIPMENT REQUIRED:					
<ul style="list-style-type: none"> 10-14 foot (3-4 m) roof or single ladder Protective clothing 					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Beam Method				
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions Must Pass				
2.	Lower the ladder butt to the ground.				
3.	Advance hand-under-hand down the beam toward the butt until the ladder is in a vertical position.				
4.	Rotate the ladder on the spur until beams are parallel to the building. a. Rest ladder against building				
5.	Carefully move the ladder butt out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung c. Pull the butt end away from the wall until it is at a 75 degree climbing angle d. Finish positioning the ladder by adjusting the butt to where it is needed Must Pass				
6.	Lower the ladder, reversing the raising procedure.				
	Flat Method				
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions Must Pass				
2.	Position both butt spurs against the wall laying ladder on ground.				
3.	Position yourself to raise the ladder. Lift the tip of the ladder stepping under the beams and grasp the top rung				

4.	Bring the ladder upright until it rests against the building. Advance hand-under-hand toward the butt				
5.	Carefully move the ladder butt out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung c. Pull the butt end away from the wall until it is at a 75 degree climbing angle d. Finish positioning the ladder by adjusting the butt to where it is needed Must Pass				
6.	Lower the ladder, reversing the raising procedure.				

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.11 Raise an extension ladder — Two-firefighter method flat raise. Standard Area: Site Specific Skills Requirements

AEFF #21

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.11 NFPA 1081, 2018 Edition		TASK: Raise an extension ladder using the two-firefighter flat raise method.			
<p>PERFORMANCE OUTCOME: The candidates shall raise a ladder using the two-firefighter flat raise method. The candidate must pass a minimum of 12 out of 16 steps, including any steps marked as a must pass item to successfully complete this skill.</p> <p>Note: Firefighter #1 is located near the butt end of the ladder. Firefighter #2 is located near the tip of the ladder and is in command of this operation.</p>					
<p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Extension ladder • Protective clothing 					
<p>CONDITIONS: Given PPE and an extension ladder, the candidates shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Visually inspect the work area: a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions Must Pass				
2.	Both Firefighters: Place the ladder flat on the ground with the butt end toward the structure and approximately ¼ the usable height from the building.				
3.	Firefighter #1: Heel the ladder by standing on the bottom rung, or by placing the toes or insteps on the beam.				
4.	Firefighter #1: Crouch down to grasp a convenient rung or the beams with both hands.				
5.	Firefighter #1: Lean back.				
6.	Firefighter #2: Lift the tip of the ladder stepping under the beams and grasp the top rung.				
7.	Firefighter #2: Advance hand-under-hand down the rungs toward the butt end until the ladder is in a vertical position.				
8.	Firefighter #1: Grasp successively higher rungs or higher on the beams as the ladder comes to a vertical position until standing upright.				
9.	Both Firefighters: Stand on opposite sides of the ladder.				
10.	Both Firefighters: Heel the ladder by placing toes against the beams.				
11.	Firefighter #2: Grasp the beams, ensuring fingers and hands are on the outside of the beam.				
12.	Firefighter #1: Untie and grasp the halyard.				
13.	Firefighter #1: Extend the fly section with a hand-over-hand motion until the tip reaches the desired elevation. Engage the ladder locks.				
14.	Both Firefighters: Lower the ladder gently onto the building. Place one foot against a butt spur or on the bottom rung				

15.	Firefighter #2: Place both feet against the butt spurs or on the bottom rung, grasp the rung or beams, and check climbing angle. Adjust as necessary. Must Pass				
16.	Firefighter #1: Tie the halyard. Secure with a half hitch or overhand safety knot. Must Pass				

First Test:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.11 Raise an extension ladder — Two-firefighter method beam raise. Standard Area: Site Specific Skills Requirements

AEFF #22

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.11 NFPA 1081, 2018 Edition		TASK: Raise an extension ladder using the two-firefighter beam raise method.			
<p>PERFORMANCE OUTCOME: The candidates shall don PPE and raise a ladder using the two-firefighter beam raise method. The candidate must pass a minimum of 10 out of 13 steps, including any steps marked as a must pass item to successfully complete this skill</p> <p>Note: Firefighter # 1 is located near the butt end of the ladder. Firefighter #2 is located near the tip of the ladder and is in command of this operation.</p>					
<p>EQUIPMENT REQUIRED:</p> <ul style="list-style-type: none"> • Extension ladder • Protective clothing 					
<p>CONDITIONS: Given PPE and an extension ladder, the candidates shall demonstrate the ability to:</p>					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions Must Pass				
2.	Firefighter #1: Place the ladder beam on the ground approximately ¼ the usable height from the building.				
3.	Firefighter #2: Rest the beam on one shoulder.				
4.	Firefighter #1: Place the foot closest to the lower beam on the lower beam at the butt spur.				
5.	Firefighter #1: Grasp the upper beam with hands apart and the other foot extended back to act as a counterbalance.				
6.	Firefighter #2: Advance hand-under-hand down the beam toward the butt until the ladder is in a vertical position.				
7.	Both Firefighters: Pivot the ladder to properly position the fly section.				
8.	Firefighter #2: Grasp the beams, ensuring fingers and hands are on the outside of the beam.				
9.	Firefighter #1: Untie and grasp the halyard.				
10.	Firefighter #1: Extend the fly section with a hand-over-hand motion until the tip reaches the desired elevation. Engage the ladder locks. Must Pass				
11.	Both Firefighters: Lower the ladder gently onto the building. Place one foot against a butt spur or on the bottom rung and grasp the rung or beams.				
12.	Firefighter #2: Place both feet against the butt spurs or on the bottom rung, grasp the rung or beams, and check climbing angle. Adjust as necessary.				
13.	Firefighter #1: Tie the halyard. Secure with half hitch or overhand safety. Must Pass				

First Test:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 10 Total points scored: _____ All must pass items passed: Yes _____ No _____

_____	_____	_____	_____
Proctor (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor	Date	Re-Test Candidate	Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #23

Revised 6/20/2022

5.3.8 Activate Fixed Suppression Systems

Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.8, NFPA 1081, 2018 Edition		TASK: Activate a fixed fire suppression system so that the correct steps are followed and the system operates.			
PERFORMANCE OUTCOME: The candidate shall operate a fixed fire suppression system.					
CONDITIONS: Given PPE, a fixed fire protection system, a procedure and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify fixed fire suppression system				
2.	Operate controls to monitor, activate, or shutdown system as assigned				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #24

Revised 6/20/2022

5.3.9 Extinguish Class C Fire

Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.6, 5.3.9 NFPA 1081, 2018 Edition		TASK: Extinguish a Class C (electrical) fire as a member of a team so that the correct agent is used and the fire is extinguished.			
PERFORMANCE OUTCOME: The candidate shall extinguish a class C fire.					
CONDITIONS: Given an assignment, PPE, SCBA, a Class C fire-extinguishing appliance/extinguisher, and a 2-person team.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Conduct size-up of scene				
2.	Verify correct extinguisher				
3.	De-energize electrical equipment involved (lock-out/tag-out)				
4.	Tests extinguisher prior to approaching fire				
5.	Approach fire in a safe manner (up wind if possible)				
6.	Apply agent in manner that extinguishes fire				
7.	Fire is extinguished and re-ignition prevented				
8.	Exits area as a team, observing conditions				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.3 Deploy and operate a master stream device. Standard Area: Site Specific Skills Requirements

AEFF #25
Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.3, 5.3.10 NFPA 1081, 2018 Edition		TASK: Deploy and operate a master stream device.			
PERFORMANCE OUTCOME: The candidate shall deploy and operate a master stream device. The candidate must pass a minimum of 12 out of 16 steps, including any steps marked as a Must Pass item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Protective clothing• Two-way portable monitor unit or LDH-supplied monitor unit• Two lengths of 2½-inch (65 mm) or larger hose• One pumper• Two spanner wrenches					
CONDITIONS: Given PPE and SCBA, a pumper, hose, master stream device and appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Confirm order with officer to deploy master stream device.				
2.	Remove needed tools and appliances from the apparatus.				
3.	With assistance, remove the monitor from the apparatus, using proper lifting techniques.				
4.	Carry the monitor unit to the set-up area.				
5.	Position the monitor on a solid, level surface.				
6.	Secure monitor according to manufacturer's guidelines.				
7.	Adjust the nozzle to the proper elevation.				
8.	Secure the anchor lock, if applicable.				
9.	Extend hoseline to the monitor. Must Pass				
10.	Connect the hoselines to the monitor unit. Must Pass				
11.	Tighten the swivel couplings using spanner wrenches.				
12.	Check the tip size, ensuring proper tip for situation, or select desired fog pattern stream.				
13.	Signal the pumper driver/operator to charge the line.				
14.	Steady the monitor.				
15.	Adjust the direction of water flow as necessary.				
16.	Operate master stream device by aiming stream in correct direction and hitting designated target. Must Pass				

First Test:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 12 Total points scored: _____ All must pass items passed: Yes _____ No _____

<hr/> Proctor (Print & Sign) <hr/>	<hr/> Date <hr/>	<hr/> Candidate <hr/>	<hr/> Date <hr/>
<hr/> Re-Test Proctor <hr/>	<hr/> Date <hr/>	<hr/> Re-Test Candidate <hr/>	<hr/> Date <hr/>

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.2.7 Operate a hydrant.

Standard Area: General Skills Requirements

AEFF #26

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.6, 5.2.7 NFPA 1081, 2018 Edition		TASK: Operate a hydrant.			
PERFORMANCE OUTCOME: The candidate shall don PPE and operate a hydrant. The candidate must pass a minimum of 5 out of 6 steps, including any steps marked as a pass/fail item to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none"> • Protective clothing • Spanner or hydrant wrench • Fire hydrant 					
CONDITIONS: Given PPE, a fire hydrant, a pumper and appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	As a safety precaution, tighten hydrant outlet caps that will not be used. <ul style="list-style-type: none"> a. Turn caps clockwise. b. Use spanner or hydrant wrench 				
2.	Turn outlet nut counterclockwise and remove the cap from one outlet. Stand clear of closed caps.				
3.	Inspect the hydrant for exterior damage and check for debris or damage inside the outlet.				
4.	Open the hydrant. <ul style="list-style-type: none"> a. Use spanner or hydrant wrench to slowly turn hydrant nut counterclockwise until any debris is flushed out of the opening b. Continue until fully open c. Stand clear of closed caps. d. Do not lean over top of hydrant Must Pass				
5.	Close the hydrant. <ul style="list-style-type: none"> a. Use spanner or hydrant wrench to slowly turn hydrant nut clockwise b. Continue until fully closed c. Check to see that the hydrant is draining if it is a dry-barrel hydrant, by placing a hand over the discharge opening d. Stand clear of closed caps 				
6.	Replace cap on outlet. <ul style="list-style-type: none"> a. Turn outlet nut clockwise until firmly closed a. Stand clear of closed caps 				

First Test:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 5 Total points scored: _____ All must pass items passed: Yes _____ No _____

<hr/> Proctor (Print & Sign) <hr/>	<hr/> Date <hr/>	<hr/> Candidate <hr/>	<hr/> Date <hr/>
<hr/> Re-Test Proctor <hr/>	<hr/> Date <hr/>	<hr/> Re-Test Candidate <hr/>	<hr/> Date <hr/>

Proctor/Candidate Comments:



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.2 Cut a padlock with a rotary saw.
Standard Area: Site Specific Skills Requirements

AEFF #27
Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.2, 5.3.10 NFPA 1081, 2018 Edition	TASK: Cut a padlock with a rotary saw.				
PERFORMANCE OUTCOME: The candidate shall don PPE and cut a padlock with a rotary saw. The candidate must Obtain 100 % to successfully complete this skill.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Personal protective clothing including safety goggles and/or face shield• Rotary saw• Padlock					
CONDITIONS: Given PPE and the appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Try before you pry.				
2.	Position the lock against the door or frame exposing both parts of the shackle; Do not attempt to hold or have someone else hold the lock.				
3.	With a rotary saw, cut both shackles at the same time.				
4.	Remove the shackle from the door hasp.				

First Test:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 4 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date

Proctor/Candidate Comments: _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

5.3.2 Force entry through padlocks.

AEFF #28

Standard Area: Site Specific Skills Requirements

Revised 11/19/2019

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.2, 5.3.10 NFPA 1081, 2018 Edition		TASK: Force entry through padlocks.			
PERFORMANCE OUTCOME: The candidate shall don PPE and force entry through padlocks using one of the three methods (Student's choice of method). The candidate must obtain 100 % to successfully complete Method One, Method Two, or Method Three.					
EQUIPMENT REQUIRED: <ul style="list-style-type: none">• Personal protective clothing including safety goggles and/or face shield• Bolt cutters• Halligan bar• Padlock• Flat head axe					
CONDITIONS: Given PPE and the appropriate tools, the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Method One — Hook End				
1.	Try before you pry.				
2.	Firefighter #1: Insert the hook of a Halligan bar into the shackle of the lock and pull the lock out away from the staple.				
3.	Firefighter #2: Strike the Halligan bar sharply with a flat-head axe to drive the hook through the lock shackle and break it.				
	Method Two— Fork End				
1.	Try before you pry.				
2.	Place the fork of the Halligan bar over the padlock shackle.				
3.	Twist the lock until the shackle or the hasp breaks.				
	Method Three— Bolt Cutters				
1.	Try before you pry.				
2.	Cut the shackle of the padlock, the chain, or the staple with bolt cutters. Do not attempt to cut case-hardened lock shackles with bolt cutters.				

Hook End

First Test:

Total points needed to pass: 3 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 3 Total points scored: _____ All must pass items passed: Yes _____ No _____

Fork End**First Test:**

Total points needed to pass: 3 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 3 Total points scored: _____ All must pass items passed: Yes _____ No _____

Bolt Cutters**First Test:**

Total points needed to pass: 2 Total points scored: _____ All must pass items passed: Yes _____ No _____

Retest:

Total points needed to pass: 2 Total points scored: _____ All must pass items passed: Yes _____ No _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date**Proctor/Candidate Comments:** _____



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #29

Revised 6/20/2022

5.2.5 Conserve Property

Standard Area: General Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.5 NFPA 1081, 2018 Edition		TASK: Following established guidelines conserve property while operating as a member of a team so that exposed property and the environment are protected from further damage.			
PERFORMANCE OUTCOME: The candidate shall use salvage covers to preserve property and environment.					
CONDITIONS: Given special tools, salvage covers, and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Conserve property by using salvage covers deployed over items, building openings covered, automatic sprinkler systems or special protection systems disabled after fire is extinguished				
2.	Put salvage covers back, service after use				
3.	Guidelines are followed				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #30

Revised 12/2/2019

5.3.1 Fire Safety Survey

Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.1, 5.3.2 NFPA 1081, 2018 Edition		TASK: Perform a fire safety survey of a facility so that fire and life safety hazards are identified, recommendations for their correction are made and unresolved issues are referred to the proper authority.			
PERFORMANCE OUTCOME: The candidate shall perform a fire safety survey.					
CONDITIONS: Given an assignment, survey forms and procedures.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Obtain correct form(s) to conduct fire survey and identify the following information on form:				
1.	Building area, exterior and interior				
2.	Fire protection systems				
3.	Life safety issues				
4.	Flammable liquids storage area				
5.	Electrical sources and shut offs				
6.	Built in fire protection barriers				
7.	Method of access to all areas of facility				
8.	Roadway/access restrictions				
9.	Identify site hazards				

Proctor/Candidate Comments:

.

.

.

Proctor (Print & Sign)
Date

Date

Candidate

Re-Test Proctor
Date

Date

Re-Test Candidate



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #31

Revised 6/20/2022

5.3.2 Ability to open gates by manual and/or automatic means

Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.2, NFPA 1081, 2018 Edition		TASK: Open gates by manual and/or automatic means			
PERFORMANCE OUTCOME: The candidate shall operate gates by manual, and/or automatic means.					
CONDITIONS: Given PPE, a gate, a procedure and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify gate that needs to be opened				
2.	Operate controls to open automatic gate, or manually open as assigned				
3.	Insure gate is locked and/or held in the open position				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #32

Revised 6/20/2022

5.1.2.1 Interface with mutual aid organizations Standard Area: General Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.1.2.1 NFPA 1081, 2018 Edition		TASK: Interface with outside mutual aid organizations, given SOPs for mutual aid response and communication protocols, so that a unified command is established and maintained.			
PERFORMANCE OUTCOME: The candidate shall use salvage covers to preserve property and environment.					
CONDITIONS: Given special tools, salvage covers, and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Communicate with mutual aid organizations using local SOP'S				
2.	Integrate operational personnel into teams under a unified command				
3.	Maintain unified command as operations progress				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #33

Revised 6/20/2022

5.2.9 Rapid Intervention Crew

Standard Area: General Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 6.2.9, 6.2.9(a)(b), 6.3.3(b) NFPA 1081, 2012 Edition		TASK: Follow guidelines to operate as a member of a rapid intervention crew (RIC) during firefighting operations in an IDLH or possible IDLH environment exist.			
PERFORMANCE OUTCOME: The candidate shall operate as a member of a RIC crew in a dangerous environment.					
CONDITIONS: Given PPE/SCBA, radio, forcible entry tools, flashlight, and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Operate as a member of a RIC				
2.	Conduct size-up of incident and determine equipment needs				
3.	Select correct tools				
4.	Determine staging area				
5.	Monitor operations of IC and interior crews				
6.	Maintains contact with IC				
7.	Initiate rescue operations of down/lost firefighter if needed				
8.	Enter hazardous area				
9.	Conduct rescue operations as needed				
10.	Rescue firefighter and exit hazardous environment to safe area				
11.	Exit hazardous area as a team				
12.	Restore tools and equipment back into service				
13.	Guidelines are followed				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #34

Revised 6/20/2022

5.3.7 Interpret Alarm Conditions

Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.3.7, NFPA 1081, 2018 Edition		TASK: Interpret alarm conditions so that the alarm condition is correctly interpreted and a response is initiated.			
PERFORMANCE OUTCOME: The candidate shall interpret alarms and initiate response.					
CONDITIONS: Given an alarm signaling system, a procedure and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Identify detection system				
2.	Interpret type of alarm; Emergency or Trouble or Supervisory Alarm or Fixed Gas Detection				
3.	Initiate response following procedures of facility				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF 35

Revised 6/20/2022

5.2.3, 5.2.6 Attack Exterior Fire, Overhaul a fire scene Standard Area: Site Specific Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD: 5.2.3, 5.2.6, 5.3.10 NFPA 1081, 2018 Edition		TASK: Following established guidelines, attack an exterior fire operating as a member of a team so that team integrity is maintained and the fire is brought under control and all hidden fires are exposed and extinguished.			
PERFORMANCE OUTCOME: The candidate shall attack a fire and extinguish it.					
CONDITIONS: Given a water source, 1½- handline, PPE, SCBA, forcible entry tools or access keys/cards, and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Operate as a member of a team				
2.	Establish a water supply from hydrant, or other source				
3.	Deploy attack line for advancement				
4.	Access is gained to the fire area				
5.	Nozzle is operated in safe manner				
6.	Appropriate fire stream is applied to situation				
7.	Appropriate fire attack is used: direct, indirect, combination				
8.	Fire is extinguished				
9.	Search for hidden fires using; sight, touch, sound, or electronic sensors.				
10.	Feel for heat with the back of ungloved hand.				
11.	With appropriate tool open walls, ceilings, and floors to expose hidden fire.				
12.	Expose void spaces without compromising structural integrity.				
13.	Use water as needed to extinguish hidden fires as found.				
14.	Fire cause evidence is preserved				
15.	Team integrity is maintained during evolution				
16.	Follow guidelines				

Proctor/Candidate Comments: _____

_____ Proctor (Print & Sign)	_____ Date	_____ Candidate	_____ Date
_____ Re-Test Proctor	_____ Date	_____ Re-Test Candidate	_____ Date



ADVANCED EXTERIOR INDUSTRIAL FACILITY BRIGADE MEMBER NFPA 1081, 2018 EDITION

AEFF #36

Revised 6/20/2022

5.2.4 Conduct Search

Standard Area: General Skills Requirements

Candidate: _____

Date: _____

Student#: _____

STANDARD 5.2.4 NFPA 1081, 2018 Edition		TASK: Conduct a search and rescue operation as a member of a team so that all victims are located and removed and team integrity is maintained.			
PERFORMANCE OUTCOME: The candidate shall perform a search and remove all victims.					
CONDITIONS: Given PPE/SCBA, forcible entry tools, flashlight, 1½- handline and an assignment.					
EQUIPMENT REQUIRED:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Operate as a member of a team				
2.	Select correct forcible entry tool(s), force entry as needed				
3.	Enter hazardous area				
4.	Begin primary search pattern (left or right hand)				
5.	Maintains contact with team by sight, hearing or physically				
6.	Maintain contact with IC, notify command of progress				
7.	Locate and remove victims				
8.	Exit hazardous area as a team				
9.	Restore tools and equipment to service				

Proctor/Candidate Comments: _____

Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Proctor

Date

Re-Test Candidate

Date