



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

Effective March 1, 2026:

- All certification candidates are required to maintain an active Acadis user portal account. (Acadis portal location = OSFC website/ Training and Certification Portal, or click here: [ENVISAGE Acadis®](#))
- All certification candidates are to be registered with the designated test site and rostered for the certification test.

### Facility Fire Brigade: Advanced Exterior Skills Stations

#### NFPA 1081 – Chapter 5 (2018 Edition)

Station A	PPE & SCBA Cylinder Replacement	Mandatory Station
Station B	Search & Rescue	Mandatory / Random Station
Station C	SCBA Emergency Operations	Mandatory Station
Station D	Exterior Fire Attack	Mandatory Station
Station E	Property Conservation	Random Station
Station F	Forcible Entry / Overhaul	Mandatory / Random Station
Station G	Water Supply	Mandatory Station
Station H	Rapid Intervention	Mandatory / Random Station
Station I	Gaining Facility Access	Mandatory / Random Station
Station J	Combustible Liquid Fire Control	Mandatory / Random Station
Station K	Gas Cylinder Fire Control	Mandatory / Random Station
Station L	Operate a Fixed Fire Protection System	Random Station
Station M	Extinguish an Exterior Class C Fire	Random Station
Station N	Ground Ladders	Random Station
Station O	Alarm Conditions	Mandatory Station
Station P	Fire Safety Survey	Mandatory Station
Station Q	Riding Apparatus	Random Station
Station R	Vehicle Fire Control	Random Station

#### OPTIONAL RANDOM STATIONS

Either **Station B** or **Station H** **MUST** be used. The station not used as a mandatory station may be used as a random station.

Either **Station F** or **Station I** **MUST** be used. The station not used as a mandatory station may be used as a random station

Either **Station J** or **Station K** **MUST** be used. The station not used as a mandatory station may be used as a random station.



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

STATION A – Personal Protective Equipment & SCBA Cylinder Replacement		Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPRs 5.2.1, 5.2.2	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

**Directions:** Demonstrate the ability to don, work in, and doff thermal Personal Protective Equipment (PPE) including a Self-Contained Breathing Apparatus (SCBA). While wearing PPE and SCBA, and while controlling your breathing, demonstrate the ability to replace an SCBA air cylinder. Once completed, demonstrate the proper PPE doffing procedures. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **16 of 16** tasks being correctly performed.

No.	Tasks	Yes	No
	<b>Donning PPE</b>		
1	<input type="checkbox"/> All closures and straps are secured <input type="checkbox"/> Coat collar is up and secured <input type="checkbox"/> Hood is donned properly <input type="checkbox"/> Helmet with chin strap is in place <input type="checkbox"/> Gloves are on		
2	Sets SCBA backpack on back and secures all straps		
3	Dons face piece, sets straps, checks seal, and confirms exhalation valve operations		
4	Opens cylinder valve fully		
5	Connects to regulator / face piece		
6	Operates by-pass / purge on command (if applicable)		
7	Controls breathing		
8	Correctly dons PPE correctly in 2 minutes (120 seconds) or less		
9	Correctly dons SCBA		
	<b>Doffing PPE</b>		
10	Removes helmet, gloves, SCBA, and face piece		
11	Removes coat, pants, hood, and boots		
	<b>Replaces SCBA cylinder</b>		
12	Checks main valve to determine the cylinder is off		
13	Bleeds pressure and removes high pressure hose from cylinder		
14	Removes empty cylinder from harness		
15	Places a full cylinder in the harness assembly and attaches high pressure hose		
16	Completes all tasks without compromising personal safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION B – Search and Rescue</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPRs 5.2.2, 5.2.4, 5.2.8</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note** - Please check the scenario tested (as required for **Task 5**):

- \_\_\_\_ A. Brigade member functioning SCBA (Fire brigade member)
- \_\_\_\_ B. Brigade member malfunctioning SCBA (Fire brigade member)
- \_\_\_\_ C. Person no respiratory protection (non-brigade member)

**Directions:** While in full protective clothing and using a SCBA, flashlight, forcible entry tools, and hand lines, and while using supplied equipment correctly, as a member of a team conduct a search and rescue operation in limited-visibility conditions. Ensure all assigned areas are searched and all trapped or incapacitated victims are located and removed. Maintain team integrity and assure team safety is not compromised, to include respiratory protection. Finally, exit the hazardous environment as a team. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **10 of 10** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Selects proper tool(s) for search – <b>Please list the equipment used:</b> a. _____ b. _____ c. _____		
<b>2</b>	Verbalizes elements which create or indicate a hazard for the given operation and communicates effectively what constitutes a safe-haven		
<b>3</b>	Conducts operations appropriately in limited-visibility conditions		
<b>4</b>	Executes correctly a "restricted passages" procedure		
<b>5</b>	Team effectively executes a rescue of a fire brigade team member ( <i>indicate scenario above</i> )		
<b>6</b>	Determines tenability of area(s) involved in the scenario and verb		
<b>7</b>	Team locates and appropriately removes victim		
<b>8</b>	Communicates effectively (verbal/visual/touch) with team members		
<b>9</b>	Exits hazardous area as a team so that a safe-haven is found before exhausting their air supply, others are not endangered, and team integrity is maintained.		
<b>10</b>	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #:** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION C – SCBA Emergency Operations</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPR 5.2.2, 5.2.8</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** Select one procedure from the conservation of air and the depletion of air tasks below; indicate to the candidate the option selected and mark the same on this skill sheet. All candidates must do the SCBA failure procedure.

**Directions:** While wearing full protective clothing (helmet, hood, boots, gloves, coat and trousers) and a SCBA unit, demonstrate the following: conservation of air breathing technique; procedure for air flow interruption; and technique for air supply depletion. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
<b>CONSERVATION OF AIR</b>			
<b>1</b>	A) Upon command from the evaluator, demonstrate controlled breathing (e.g., inhales through the nose, exhales through the mouth, and controls breathing rate)		
	B) Upon command from the evaluator, demonstrate skip breathing (e.g., takes a breath and holds, takes another breath, exhales, and repeats the same)		
<b>DEPLETION OF AIR SUPPLY</b>			
<b>2</b>	A) Emergency procedures when out of air with no air re-supply available: Activate pass device, (If Applicable) establish filter breathing while staying as low as possible and quickly exits the hazardous area.		
	B) Emergency procedures when out of air with trans-fill or buddy breathing capability: Attaches trans-fill or buddy breather hose to both SCBA units and exits hazardous area		
<b>SCBA FAILURE</b>			
<b>3</b>	Emergency procedures when air is not flowing into the face piece: ____ Checks that cylinder is fully open ____ Closes mainline (if applicable) ____ Opens bypass slowly ____ Closes bypass after each breath ____ Opens bypass for next breath ____ Exits hazardous area rapidly		
<b>4</b>	Completes all tasks without compromising personal safety		
		<b>Please indicate skill outcome</b>	<b>PASS    FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION D – Exterior Fire Attack</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPRs 5.2.1, 5.2.2, 5.2.3, 5.2.6</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** Please list the type of exterior fire \_\_\_\_\_.

**Directions:** Given an assignment, a water source, hose line, tools, PPE, and SCBA, and while operating as a member of a team, attack an exterior fire so that team integrity is maintained, the attack line is correctly deployed for advancement, access is gained into the fire area, fire is brought under control, and hidden fires are located and controlled. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **17 of 17** tasks being correctly performed.

No.	Tasks	Yes	No
1	Selects and uses appropriate PPE and SCBA and states potential long-term consequences of exposure to combustion products		
2	Determines / identifies escape route(s) and safe-haven		
3	States principle/need for exposure protection and determines exposure threats		
4	Team advances/extends uncharged hose line to the indicated fire area		
5	Team orders handline charged		
6	Team advances charged hose line		
7	Nozzle operator chooses correct nozzle pattern and application technique (direct/indirect), operates hose line, and evaluates & modifies water application so that results of effective application are observable while preventing water hammer in operating hose-line		
8	Evaluates for complete extinguishment of fire		
	<b>ON EVALUATOR COMMAND:</b> Team members change position. The team replaces simulated burst hose line and a second attack is made after line is replaced.		
9	Team secures and deploys replacement sections of replacement hose		
10	Team stops flow of burst line by applying hose clamp (if provided) or kinking hose		
11	Team disconnects burst section and substitutes replacement sections		
12	Team removes burst section from vicinity of hose line		
13	Second fire attack is made		
14	Team conducts appropriate overhaul to locate and suppress/extinguish hidden fires		
15	Team retreats in a safe manner		
16	Team marks / indicates the defective section is Out-of-Service (OOS)		
17	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION E – Property Conservation</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPR 5.2.5</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** As a team, inspect each salvage cover, verbally indicate what you are doing, and what you find. As a team, fold one cover into a "one-man" roll and the other into a "two-man" fold. Next place all the furnishing into an area and cover them all with a salvage cover. Remove this cover; using one cover construct a water chute and properly position it for use, next using the second cover, construct a catchall. Then appropriately secure the building openings with the materials provided. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **12 of 12** tasks being correctly performed.

No.	Tasks	Yes	No
1	Explains cleaning and drying procedures		
2	Prepares a cover and makes a one-man roll		
3	Demonstrates neatness and usability of the finished one-man roll		
4	Prepares a cover and makes a two-man fold		
5	Demonstrates neatness and usability of the finished two-man fold		
6	Arranges all furnishing / content in an area to be covered		
7	Deploys the salvage cover over the furnishings / content		
8	Makes final positioning / adjustment of cover		
	<b>Secures properly building openings (i.e., doors, windows, floor/roof openings)</b>		
9	Closes door to keep runoff contained		
10	Positions salvage cover to secure roof opening		
11	Positions construction materials to cover window		
12	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION F – Forcible Entry / Overhaul</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPRs 5.2.6, 5.3.10</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** Indicate the fire area (i.e., warm to touch) behind the wall for Task 2.

**Directions:** Select an appropriate tool from those provided, then check the wall for hidden fires by opening it and remove any debris. When done restore the tools and equipment back into service. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **4 of 7** tasks being correctly performed.

No.	Tasks	Yes	No
1	Selects appropriate tool(s)		
2	Wall is felt for heat with back of hand before opening (Evaluator indicates)		
3	Wall is opened using proper technique for material from which it is constructed		
4	Debris is placed in metal containers provided and removed from the area		
5	A sufficient opening is made for proper examination ( <i>Mandatory to Pass</i> )		
6	Candidate cleans and inspects tools and equipment for damage a. Explains the necessary equipment maintenance that should occur after use b. Appropriately tags damaged equipment		
7	Recognizes reasons for preservation of origin and fire cause		
8	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION G – Water Supply and Master Stream Operations</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPRs 5.2.7, 5.3.3</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** You may serve as the pump operator for this skill station if needed. Also, provide the candidate the type scenario encountered and indicate the same in Task 9.

**Directions:** Given a scenario and while evaluating / forecasting the fire’s growth / development, establish a water supply and appropriately utilize a master stream appliance in respect to the effects on ventilation or search and rescues procedures, or property conservation efforts. Assure an adequate water supply is established and maintained for the scenario presented. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **12 of 12** tasks being correctly performed.

No.	Tasks	Yes	No
1	Evaluates and forecast fire’s growth		
2	Verbalizes uses for master stream appliance application		
3	Selects and implements master stream appliances		
4	Makes necessary hose / appliance connections		
5	Determines that the pump operator is ready for water (if applicable)		
6	Positions body in proper position before opening hydrant		
7	Hydrant is fully opened		
8	Closes hydrant fully on command of the pump operator (if applicable)		
9	Removes hose / gate, and checks for proper draining operation		
10	Identifies damage to water supply system		
11	Demonstrate the effect of a master stream for the given scenario Ventilation      Search & Rescue      Property conservation		
12	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION H – Rapid Intervention Crew (RIC)</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPRs 5.2.9, 5.1.2.2</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Using full protective clothing, SCBA, flashlight, forcible entry tools and hose line(s), and interfacing with a mutual aid organization, per operational procedures, in a unified command and as a part of a RIC, conduct a search and rescue operation so that all assigned areas are searched and all trapped / incapacitated victims are located and removed, team integrity is maintained and team members' safety including respiratory protection is not compromised, and exit the hazardous environment as a team. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **11 of 11** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Selects proper PPE and determines resources / tool(s) needed for search		
<b>2</b>	Employs appropriate atmospheric monitoring equipment for the scenario		
<b>3</b>	As an integrated team, in accord with mutual aid personnel and under a unified command, advances uncharged hose line, and positions for attack		
<b>4</b>	Team orders handline charged		
<b>5</b>	Team advances charged hose line		
<b>6</b>	Stays low to the ground		
<b>7</b>	Demonstrates maximum coverage and sweeps with tool or body		
<b>8</b>	Team locates and removes victim utilizing appropriate drag / move		
<b>9</b>	Communicates effectively (verbal/visual/touch) with command and with other personnel and mutual aid organizations (e.g., EMS, FD, etc.)		
<b>10</b>	Exits hazardous area as a team so that a safe-haven is found before exhausting the air supply, others are not endangered, and team integrity is maintained.		
<b>11</b>	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION I – Gaining Facility Access</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPRs 5.3.2, 5.1.2.1, 5.1.2.2</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b>  ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Given an assignment and a pre-incident plan, facility keys, appropriate forcible entry tools, information, and an area/location with known hazards, identify the hazards and implement the response plan per the plan, gain access the area/location identified by the evaluator within the facility and ensure the area remains accessible during the advanced exterior operation.

**Performance Outcome:** Pass / Fail is determined by **8 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
<b>1</b>	Identifies components (i.e., suppression/detection systems, structural features, specific hazards, response considerations)		
<b>2</b>	Identifies on the pre-incident plan common symbols used in diagramming construction features, utilities, hazards, and fire protection systems		
<b>3</b>	Identifies hazards / site specific hazards: a. overhead clearance b. roadway load restrictions c. water supply access routes d. electrical		
<b>4</b>	Communicates findings (verbal and/or written) effectively to the proper authority(s)		
<b>5</b>	Selects appropriate tool(s) for access to selected area		
<b>6</b>	Makes entry in area/location		
<b>7</b>	Assure access is maintained during advanced exterior operations		
<b>8</b>	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION J - Combustible Liquids Fire Control</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPR 5.3.4</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** As a team, select and assemble the proper appliances to create a 1½” foam line. Using the hose line created, attack the pit fire. Upon achieving knockdown, change positions and attack the fire again and complete its extinguishment. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **10 of 10** tasks being correctly performed.

No.	Tasks	Yes	No
1	Team selects and connects proper foam educator and sets correct percentage ratio		
2	Team selects and connects proper nozzle		
3	Team creates a workable foam line & tests line for foam operation prior to attack		
4	Attack is made from upwind direction (where possible)		
5	Knockdown is achieved timely using proper nozzle application technique		
6	Change of nozzle operator takes place smoothly		
7	New nozzle operator achieves total extinguishment in a timely fashion using proper nozzle technique		
8	Team appropriately backs away from extinguished fire / prevents re-flash		
9	Team disassembles foam educator and nozzle and returns same to storage		
10	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION K – Gas Cylinder Fire Control</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory (Optional Random) Station: JPR 5.3.5</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** As a team, select the appropriate hose line to cool and approach a burning propane cylinder, shut the valve and extinguish the fire. Change nozzle operator and repeat the evolution. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **14 of 14** tasks being correctly performed.

No.	Tasks	Yes	No
1	Identifies components of a flammable gas system		
2	Crew selects an attack line ( <b>allowable sizes 1 ½” to 2 ½”</b> ) with a combination nozzle		
3	Assesses gas storage container integrity, changing conditions and contents		
4	Verbalizes procedure if fire is prematurely extinguished		
5	Verbalizes procedure when to retreat from cylinder fire		
6	Crew starts advancing the attack line utilizing a straight stream to cool cylinder		
7	Crew widens stream pattern to fog as they approach cylinder		
8	Nozzle operator protects crew with fog pattern		
9	Back up person handles hose to facilitate nozzle operator’s movements and control		
10	Crew successfully prevents flame from by-passing fog stream		
11	Back-up person shuts off cylinder valve		
12	Crew backs out using fog pattern for protection		
13	Team maintains control of the hose line at all times		
	<b>Upon direction from the evaluator, team changes nozzle operator and repeats steps 6-13</b>		
14	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION L – Operate a Fixed Fire Protection System</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPRs 5.3.8, 5.1.2.1</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** Please mark the type of system and method used: \_\_\_\_\_ **Electrical** \_\_\_\_\_ **Mechanical**  
 \_\_\_\_\_ **Standpipe** \_\_\_\_\_ **Sprinkler**

**Directions:** Given a pre-plan, identify the components (i.e., suppression/detection systems, structural features, response considerations); then given a scenario, identify the fixed fire protection system and the procedure to activate/operate the system via electrical or mechanical means. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **16 of 16** tasks being correctly performed.

No.	Tasks	Yes	No
1	States system overrides and manual intervention procedures		
2	Demonstrates shutdown procedures to prevent damage to system/associated systems		
<b>STANDPIPE</b>			
3	Locates and identifies the main drain valve		
4	Opens and closes main drain valve		
<b>Wet Pipe System</b>			
5	Reads indicated pressures		
6	Records PSI pressure on form for "system pressure" gauge		
<b>Dry Pipe System</b>			
7	Reads indicated pressures		
8	Records psi pressure on form for "water pressure" gauge		
9	Records psi pressure on form for "air pressure" gauge		
10	Completes all tasks without compromising personal or team safety		
<b>SPRINKLER</b>			
11	Selects correct size hose and advances to FD sprinkler connection (two 100' lines)		
12	Removes caps / accesses FDC and checks for gasket and obstructions		
13	Makes FDC connection with supply lines		
14	Connects supply lines to engine outlets		
15	Identifies main control valve, closes valve, and opens upon evaluator's command		
16	Completes all tasks without compromising personal or team safety		
		<b>Please indicate skill outcome</b>	
			<b>PASS    FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION L – Operate a Fixed Fire Protection System</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPRs 5.3.8, 5.1.2.1</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

\_\_\_\_ **Wet Pipe System**

\_\_\_\_ **Dry Pipe System**

**Pressure Recording Form**

**System Pressure Gauge:** \_\_\_\_\_ **PSI**

**Water Pressure Gauge:** \_\_\_\_\_ **PSI**

**Air Pressure Gauge:** \_\_\_\_\_ **PSI**

**Evaluator Comments:** \_\_\_\_\_  
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## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION M – Extinguish an Exterior Class C Fire</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPRs 5.3.6, 5.3.9, 5.3.10</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Given a scenario, a copy of the facility layout, and a selection of fire extinguishers / extinguishing agents, and while wearing appropriate PPE chooses the proper extinguishing agent and extinguish the fire so re-ignition is prevented, and the candidate protection is maintained. Be sure to explain the extinguishing characteristics, uses, and limitations of the agent used. Then return the equipment to service or reported otherwise in accordance with facility policies / procedures. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **8 of 11** tasks being correctly performed.

No.	Tasks	Yes	No
1	Dons appropriate PPE		
2	Recognize the response hazards		
3	Explains the extinguishing characteristics, uses, and limitations of the agent		
	Verbalize the advantages and disadvantages to de-energizing and using class A agents to extinguish		
4	Selects a proper extinguishing agent from storage location(s)		
5	Properly de-energizes electric source		
6	Properly install lockout tagout to the electrical source		
7	Team advances and applies the extinguishing agent properly for scenario tested		
8	Team evaluates and indicates all materials are extinguished		
9	Team appropriately retreats to a safe distance		
	<b>Switch positions and repeat</b>		
10	Cleans and inspects equipment (i.e., Fire Extinguisher) <ul style="list-style-type: none"> <li>a. inspects for damage (bale, nozzle, hoses, etc.)</li> <li>b. explains the necessary maintenance of the equipment after use</li> <li>c. appropriately tags out damaged equipment</li> </ul>		
11	Completes all tasks without compromising personal or team safety		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION N – Ground Ladders</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPR 5.3.11</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** As a team, put the extension ladder in service. Carry the ladder to the building, place it, raise it, extend the fly section, and set it for rescue operations. Secure the ladder at the top and/or bottom. Once secured, untie, lower, and return the ladder to service. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **10 of 13** tasks being correctly performed.

**Note: Tasks 8 and 13 are MANDATORY.**

No.	Tasks	Yes	No
1	Team removes ladder from apparatus/location and prepares for a two-person carry.		
2	Team assumes acceptable positions during the carry		
3	Team verbalizes what constitutes a stable foundation for ladder placement and places ladder in line with target		
4	Team properly raises the ladder		
5	Team extends the fly section to the correct level/height for a rescue		
6	Team checks the ladder for proper angle / position		
7	Team secures the halyard		
8	Team secures the ladder at top and/or bottom ( <b>MANDATORY TO PASS</b> )		
9	Team tests ladder for secure mounting by attempting to move top or bottom		
10	Team unties ropes securing the ladder		
11	Team retracts fly and lowers ladder		
12	Team lifts and carries ladder to apparatus		
13	Completes all tasks without compromising personal or team safety		
		<b>Please indicate skill outcome</b>	
			<b>PASS    FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION O – Alarm Conditions</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPR 5.3.7</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Given an alarm signaling system, a procedure, and an assignment, interpret alarm conditions so the alarm condition is correctly interpreted, and a response is initiated.

**Performance Outcome:** Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Identifies difference between alarms		
2	Identifies hazards protected by detection systems		
3	Identifies hazards associated with each type of alarm condition		
4	Implements response		
5	Provides information through communications		
6	Completes the assignment in a professional manner		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION P – Fire Safety Survey</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Mandatory Station: JPRs 5.3.1, 5.1.2.1, 5.1.2.2</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Directions:** Given an assignment and survey forms, perform a fire safety survey in a facility so that fire and life safety hazards are identified, and recommendations for correction and unresolved issues are referred to the proper authority.

*Note: Refer to the Fire Brigade Candidate Handbook for the forms to use and additional information.*

**Performance Outcome:** Pass / Fail is determined by 4 of 4 tasks being correctly performed.

No.	Tasks	Yes	No
1	Recognizes hazards JPR		
2	Matches/determines hazard risks found to pre-approved recommendations JPR		
3	Communicates findings (verbally and/or in writing) to the proper authority JPR		
4	Completes forms for the assignment in a professional manner JPR		
<b>Please indicate skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_ **Evaluator #** \_\_\_\_\_



## PENNSYLVANIA STATE FIRE ACADEMY FACILITY FIRE BRIGADE – ADVANCED EXTERIOR

<b>STATION Q – Riding Apparatus</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPR 5.3.12</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ____ <b>Initial</b> ____ <b>Retest</b>

**Evaluator Note:** If a task is not applicable (e.g., Tasks 1 and 5), please note N/A in the comments, and calculate PASS based on the remaining applicable “Yes” marks.

**Directions:** While wearing appropriate PPE, properly don your safety equipment (i.e. hearing and eye protection) and board the apparatus and prepare yourself for safe travel. When safely seated, notify the evaluator. Then, upon evaluator command, safely dismount the apparatus. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **10 of 10** tasks being correctly performed.

No.	Tasks	Yes	No
1	Dons any safety equipment (i.e., safety/traffic vest) prior to boarding apparatus (if applicable)		
2	Checks seat area for obstruction, loose tools, etc. (removes same, if present)		
3	Uses handrails/secures good footing while mounting		
4	Sits in seat provided, engages seatbelt/shoulder harness assembly provided		
5	Dons hearing and eye protection (if applicable)		
<b><i>EVALUATOR DIRECTS CANDIDATE TO DISMOUNT</i></b>			
6	Candidate looks and verbalizes they are checking conditions prior to dismounting		
7	Uses handrails/secures good footing while dismounting.		
8	Describes hazards and ways to avoid hazards while riding and dismounting apparatus		
9	Describe prohibited practices associated with mounting, riding, and dismounting apparatus		
10	Completes all tasks without compromising personal safety		
<b>Please circle final skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_      **Evaluator #:** \_\_\_\_\_



**PENNSYLVANIA STATE FIRE ACADEMY  
FACILITY FIRE BRIGADE – ADVANCED EXTERIOR**

<b>STATION R – Vehicle Fire Control</b>		<b>Reference NFPA 1081 (2018 Edition) Chapter 5 Random Station: JPRs 5.3.13, 5.2.2</b>	
<b>Test Site</b>	<b>Test Date</b>	<b>Candidate #</b>	<b>Check the Test Type</b> ___ <b>Initial</b> ___ <b>Retest</b>

**Directions:** Using the equipment provided, extinguish a vehicle fire. Maintain protection from flash fires, control any fuel leakage, and check for and eliminate any residual/hidden fires. Do you have any questions?

**Performance Outcome:** Pass / Fail is determined by **9 of 12** tasks being correctly performed.

No.	Tasks	Yes	No
1	Properly wears full PPE and SCBA JPR		
2	Identifies vehicle fuel type and controls hazards and any fuel leaks JPR		
3	Team advances attack line in proper manner JPR		
4	Nozzle operator protects exposures (if present) JPR		
5	Nozzle operator properly utilizes and manipulates nozzle to knock down the fire with observable results that a fire stream has been properly applied JPR		
6	Operates hose line to protect team from a flash fire JPR		
7	Operates hoseline to achieve observable results		
7	Back-up fire fighter properly manipulates hose line to facilitate nozzle operator's job		
8	Effectively overhauls fire scene and exposes hidden fires in all vehicle compartments JPR		
9	Avoids creating dangerous conditions		
10	Team properly retreats/back away from fire after extinguishing. <i>(Mandatory Skill to Pass)</i>		
11	Was the fire substantially controlled or extinguished? <i>(Mandatory Skill to Pass)</i>		
<b>CANDIDATES SWITCH POSITIONS AND REPEAT TASKS 3 THRU 11</b>			
12	Completes all tasks without compromising personal or team safety		
<b>Please circle final skill outcome</b>		<b>PASS</b>	<b>FAIL</b>

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_

**Evaluator #:** \_\_\_\_\_