



PENNSYLVANIA STATE FIRE ACADEMY CONFINED SPACE RESCUE OPERATIONS SKILL STATIONS

****Attention:** All certification candidates are required to have an established and up to date user portal account in the PA State Fire Academy's Acadis Learning Management System prior to participating in **ANY** certification testing opportunity. Please log in to your Acadis portal account and update all personal information before submitting your certification application. (Access can be gained through the OSFC website – [Training and Certification Portal](#)).

Skill Stations

NFPA 1006 Confined Space Rescue Operations – Chapter 7 (2021 Edition)

Station A	Hazard Control & Size Up (2 Evaluators)	Mandatory
Station B	Confined Space Rescue: Horizontal (2 Evaluators)	Mandatory
Station C	Confined Space Rescue: Vertical (2 Evaluators)	Mandatory

Candidate Note: All skills in the Confined Space Rescue Operation Level Skills Menu are Mandatory. All skills in the Confined Space Rescue Operations level **MUST** be passed with 100% of tasks being checked "YES." Any task checked "NO" in a skill station is a failure of that skill.

HOWEVER, skills B and C are broken into "SECTIONS." Candidates who are unsuccessful at completing a section of skill B or C will only have to retest on the section that they failed.

Candidates who are unsuccessful at two or more sections in Skill Station B, "Confined Space Rescue: Horizontal," or two or more sections in Skill Station C, "Confined Space Rescue: Vertical," **WILL HAVE** to retest the entire skill station.

AT NO TIME will a candidate, evaluator, participant, facility staff, etc., approach any edge where a fall of more than three (3) feet is possible without being attached to a fall protection system or a travel restraint system unless they are attached to the main line and belay line or a twin tensioned system. Failure to follow these instructions will be an automatic failure of the station.

Minimum PPE for Confined Space Rescue testing:

- Helmet/hardhat with chinstrap
- ANSI eye protection
- Gloves
- Safety toed footwear



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STATION A – Hazard Control & Size Up		Reference NFPA 1006 (2021 Edition), Chapter 7 Mandatory Station: JPRs 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: Station scenario will be a simulated confined space rescue incident that has an on-scene attendant and entry permit.

Directions: Given a confined space rescue incident, PPE, atmospheric monitoring equipment and background information, the candidate will size up the incident, identify incident hazards, initiate isolation and scene control procedures, monitor atmospheric conditions, and secure energy sources so that all safety aspects are identified, and hazard control strategies are implemented and communicated.

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

No.	Tasks	Yes	No
1	Establishes ICS		
2	Initiates scene control and isolation procedures		
3	Gathers relevant information from attendant and entry permit		
4	Identifies the number of victims, victim condition, and victim location(s)		
5	Verifies the hazards and exposures that threaten the safety of response personnel		
6	Controls two (2) hazardous energy sources related to the confined space using LO/TO devices		
7	Establishes communications with the victim		
8	Initiates atmospheric monitoring in proximity to the confined space entry point		
9	Initiates atmospheric monitoring inside the confined space area at various levels		
10	Selects and utilizes PPE and respiratory protection as required		
11	Initiates a visual search of the area inside the confined space immediately visible from the entrance		
12	Performs a size-up and provides an initial report to command/dispatch center		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____



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STATION B – Confined Space Rescue: Horizontal		Reference NFPA 1006 (2021 Edition), Chapter 7 Mandatory Station: JPRs 7.2.2; 7.2.3, 7.2.4, 7.2.5, 7.2.6, 7.2.7, 7.2.8, 7.2.9, 7.2.10, 7.2.11, 7.2.17, 7.2.18	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: Station scenario will require the candidates to execute a horizontal victim rescue within a confined space requiring PPE and respiratory protection (SCBA).

Evaluator Note: All skills in the Confined Space Rescue Operations Level Skills Menu are Mandatory. All skills in the Confined Space Rescue Operation level MUST be passed with 100% of tasks being checked "YES." Any task checked "NO" in a skill station is a failure of that skill.

HOWEVER, skill B is broken into "SECTIONS." Candidates who are unsuccessful at completing a section of skill B will only have to retest on the section that they failed. Candidates who are unsuccessful at two or more sections in Skill Station B, "Confined Space Search & Rescue: Horizontal," WILL HAVE to retest the entire skill station.

Directions: Given life safety rope, rope rescue equipment, atmospheric monitoring equipment, PPE, SCBA, a spinal immobilization device, and patient transfer device/litter, the candidates, working as a team, will construct a single point anchor system, construct and operate a retrieval system, perform a system safety check prior to operation so that a victim is assessed, packaged, and removed from a horizontal confined space.

- *Candidates will work as a team of 4-6 rescuers. Each Team will be broken into three groups that will perform the skills. Groups will proceed through the section assignments comprised of the four sections of the skill station as listed below. The assignment tasks are as follows:*

	<i>Rotation 1</i>	<i>Rotation 2</i>	<i>Rotation 3</i>
○ <i>Sections 1 & 4</i>	<i>Group 1</i>	<i>Group 2</i>	<i>Group 3</i>
○ <i>Section 2</i>	<i>Group 2</i>	<i>Group 3</i>	<i>Group 1</i>
○ <i>Section 3</i>	<i>Group 3</i>	<i>Group 1</i>	<i>Group 2</i>

G1-1 is candidate one from Section 1 group, and **G1-2** is candidate two from Section 1 group

Performance Outcome: Pass / Fail is determined by **26 of 26** tasks correctly performed.

No.	Tasks	Yes	No
Section 1: Hazard Control & Briefing			
1	Performs incident size-up (G1-1)		
2	Conducts an incident briefing; identifies and manages hazards (G1-1)		
3	Perform atmospheric monitoring around entry point prior to committing resources (G1-2)		
4	Performs atmospheric monitoring within the confined space prior to entry (G1-2)		
5	Performs atmospheric monitoring continuously throughout the rescue operation (G1-2)		
6	Initiates proper ventilation within the confined space (G1-2)		
7	Rescuer evacuation is planned (G1-1)		
8	Completes operation in a safe and controlled manner		

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Cont.' - Station B: Confined Space Rescue: Horizontal

Section 2: Rigging Retrieval System			
9	Selects an anchor point that will capture anticipated load forces		
10	Constructs a single-point anchor system that will accommodate the anticipated load		
11	Constructs and operates a simple mechanical advantage haul system		
12	Performs system safety check prior to loading and operating the systems		
13	Operate system as intended when commanded by entrants		
14	Completes operation in a safe and controlled manner		
Section 3: Victim Management			
15	Dons required PPE and SCBA prior to entry		
16	Rescue entrants enter space without removing SCBA		
17	Rescue entrants have portable lighting and are attached to retrieval lines at all times		
18	Locates, assess, and packages victim for transport; communicates condition to IC		
19	Performs spinal immobilization correctly with minimal aggravation to possible injuries		
20	Packages a victim in a transfer device/litter for removal from the confined space		
21	Applies an atmosphere-supplying respirator to the victim at victim contact		
22	Connects retrieval system securely to the victim transfer device/litter		
23	Entrants exit the space before low-air alarm activates		
24	The victim is delivered to EMS		
25	Completes operation in a safe and controlled manner		
Section 4: Termination			
26	Terminates incident; conducts debriefing on-scene, confirms PAR (G1-1)		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



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STATION C – Confined Space Rescue: Vertical		Reference NFPA 1006 (2021 Edition), Chapter 7 Mandatory Station: JPRs 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.6, 7.2.12, 7.2.13, 7.2.14, 7.2.15, 7.2.16, 7.2.17, 7.2.18	
Test Site	Test Date	Candidate #	Check the Test Type ____Initial ____Retest

Evaluator Note: Station scenario will require the candidates to execute a vertical victim rescue within a confined space requiring PPE and respiratory protection (SCBA). This scenario requires two unconscious victims, one is stable, and the other victim is in respiratory arrest.

Evaluator Note: All skills in the Confined Space Rescue Operations Level Skills Menu are Mandatory. All skills in the Confined Space Rescue Operation level MUST be passed with 100% of tasks being checked "YES." Any task checked "NO" in a skill station is a failure of that skill.

HOWEVER, skill C is broken into "SECTIONS." Candidates who are unsuccessful at completing a section of skill C will only have to retest on the section that they failed. Candidates who are unsuccessful at two or more sections in Skill Station C, "Confined Space Search & Rescue: Vertical," WILL HAVE to retest the entire skill station.

Directions: Given life safety rope, rope rescue equipment, atmospheric monitoring equipment, PPE, SCBA, a litter, an extraction harness and patient transfer device, the candidates, working as a team, will establish a portable high-point anchor, construct and operate a retrieval system, construct and operate a belay system, setup and operate a supplied air respirator system, perform a system safety check prior to operation, so that a victim search is completed within a confined space, two victims are located, assessed, packaged, and removed from a vertical confined space. Packaging and removal strategies and maneuvers are based on the patient's condition(s).

- *AT NO TIME will a candidate, evaluator, participant, facility staff, etc., approach any edge where a fall of more than three (3) feet is possible without being attached to a fall protection system or a travel restraint system unless they are attached to the main line and belay line or a twin tensioned system. Failure to follow these instructions will be an automatic failure of the station.*
- *Candidates will work as a team of 4-6 rescuers. Each Team will be broken into three groups that will perform the skills. Groups will proceed through the section assignments comprised of the four sections of the skill station as listed below. The assignment tasks are as follows:*

	<i>Rotation 1</i>	<i>Rotation 2</i>	<i>Rotation 3</i>
○ <i>Sections 1 & 4</i>	<i>Group 1</i>	<i>Group 2</i>	<i>Group 3</i>
○ <i>Section 2</i>	<i>Group 2</i>	<i>Group 3</i>	<i>Group 1</i>
○ <i>Section 3</i>	<i>Group 3</i>	<i>Group 1</i>	<i>Group 2</i>

C1-1 is candidate one from Section 1 group, and C1-2 is candidate two from Section 1 group

Performance Outcome: Pass / Fail is determined by **24 of 24** tasks correctly performed.

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Cont.' - Station C: Confined Space Rescue: Vertical

No.	Tasks	Yes	No
Section 1: Size-up & Hazard Control			
1	Performs incident size up (C1-1)		
2	Performs incident briefing; identifies and manages hazards (C1-1)		
3	Performs atmospheric monitoring around entry point prior to committing resources (C1-2)		
4	Performs atmospheric monitoring within the confined space prior to entry (C1-2)		
5	Performs atmospheric monitoring continuously throughout the rescue operation (C1-2)		
6	Initiates proper ventilation within the confined space (C1-2)		
7	Rescuer evacuation is planned (C1-1)		
8	Completes operation in a safe and controlled manner		
Section 2: Rigging Retrieval System			
9	Assembles and positions portable high-point over the entry point		
10	Constructs and attaches retrieval system to the high-point		
11	Constructs, secures, and positions a belay system for the incident		
12	Utilizes edge/rope protection as required		
13	Performs system safety check prior to loading and operating the systems		
14	Lowers rescuers into the confined space in a safe and controlled manner		
15	Utilizes travel limiting or fall protection systems throughout the operation		
16	Completes operation in a safe and controlled manner		
Section 3: Victim Management			
17	Dons required PPE and SCBA prior to entry		
18	Rescue entrants enter space without removing SCBA		
19	Locates, assesses, and packages a victim for transport; communicates condition to IC		
20	Removes a victim in respiratory arrest from space using an extraction harness		
21	Packages second victim in a transfer device/litter for removal from the confined space		
22	Removes victims and rescuers from the confined space in a controlled manner		
23	Victims and rescuers are decontaminated as needed and delivered to EMS		
24	Victims are delivered to EMS		
25	Completes operation in a safe and controlled manner		
Section 4: Termination			
26	Terminates the incident; conducts debriefing on-scene, confirms PAR (C1-1)		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____