

Black Hat Promotion Policy, Sign-Off and Test

Effective Date:	02/25/2020
Revised Date:	02/25/2020
Issuing Authority: President Daniel Gibbs	

1409.1 PURPOSE

The following policy is used to outline responsibilities, eligibility and testing guidelines to take the Probationary Firefighter Promotion Test

1409.2 SCOPE

This policy document applies to all LCVFD members who are Interior probationary firefighters.

1409.3 PROCEDURAL GUIDELINES

Responsibilities:

- Station Captains will be responsible for determining if an individual meets the requirements set forth in this policy.
- Station Captain, District Chief, and Assistant Chief signatures on the Final Approval Form for Black hat must be present. All signatures are required on the Final Approval Form in order for promotion to take place.
- A copy of training, number of runs, and completed test booklet must accompany the Final Approval Form.
- Line officers will be the only personnel allowed to administer the Probationary Firefighter Promotion test.
- The probationary firefighter must request this policy and test booklet from their station officer(s). Station Officer must cover all items in the test booklet prior to giving test to probationary fire fighter.

Eligibility:

The following requirements are the minimums that must be met in order to qualify to take the Probationary Firefighter exam.

Promotion Test:

- a. Must have a minimum of 1 year in this department, if no previous experience.

League City Fire Department

Fire Policy Manual

Black Hat Promotion Policy, Sign-Off and Test

b. If three years previous active experience in a volunteer department, candidate will be eligible to take test after 6 months with the appropriate Station Captain's approval. The training officer and/or Station Captain will contact the candidate's previous department and verify his level of active participation. If more than one year between candidate joining our department and their previous experience has transpired, the individual must wait one year.

c. If currently working in a paid department with 3 years' experience and carries a current state commission, the candidate can take the Probationary Firefighter

Promotion Test after 6 months with this department, with the appropriate Station Captain's approval.

Returning LCVFD Members:

• Members out on any type of leave for greater than one year must take the Probationary Firefighter Promotion Test in order to receive their black hat again. Life members out of the department more than two years must wait 6 months before being eligible to take the Probationary Firefighter Promotion Test.

Testing Procedures:

- Those that have met the eligibility requirements and been approved by their Station Captain and District Chief will be administered the test by a station officer or District Chief.
- The test to be given is the LCVFD Probationary Firefighter Promotion Test found below. Any other test is not valid.
- Passing grade for each section will constitute passing the test.
- Scoring of a failure on any section will constitute failure of the test and will not allow candidate to be promoted to a Black Hat. If the candidate fails the test, they can retake the test up to 3 times. If the candidate fails the retest 3 times the candidate has to wait 6 months to be retested and must be counseled by their Station Captain and District Chief prior to retaking the test. Candidate will only be retested on sections that he/she failed.

1409.4 FINAL APPROVAL FORM

Final Approval Form for Black Hat

The following individual has met all the necessary requirements set forth in the Probationary Firefighter Promotion Policy. Name:

Station: _____

Date of Entry to the Department: _____

Date of Promotion: _____

League City Fire Department

Fire Policy Manual

Black Hat Promotion Policy, Sign-Off and Test

(Station Captains please attach the following documentation to this form)

1. Copy of current run count and trainings -ER Report 1674
2. Completed individual's Probationary Firefighter Promotion Test and SFFMA Skill sheets.

I have reviewed the above documentation and agree that this individual has met all the requirements set forth and is ready to be promoted to a black hat.

All Signatures are required in order for promotion to occur.

Captain

District Chief _____

Asst. Fire Chief _____

1409.5 FINAL FORM \ SKILL AND TESTING BOOKLET ATTACHED.

[See attachment: Black Hat Promotion Signoff Book Testing Sheet.pdf](#)

Attachments

Black Hat Promotion Signoff Book Testing Sheet.pdf

Final Approval Form for Black Hat

The following individual has met all the necessary requirements set forth in the

Probationary Firefighter Promotion Policy. Name: _____

Station: _____

Date of Entry to the Department: _____

Date of Promotion: _____

(Station Captains please attach the following documentation to this form)

1. Copy of current run count and trainings -ER Report 1674
2. Completed individual's Probationary Firefighter Promotion Test and SFFMA Skill sheets.

I have reviewed the above documentation and agree that this individual has met all the requirements set forth and is ready to be promoted to a black hat.

All Signatures are required in order for promotion to occur.

Captain _____

District Chief _____

Asst. Fire Chief _____

Probationary Firefighter Promotion Test

Proctor instructions: In order for Probationary Firefighter to test they must have gone through all material in the test below with a station officer. Once Captain approves, then individual will be allowed to test on items below. Failure of any one section will constitute failure of the whole test. When re-testing, only test sections that were failed need to be retested. SFFMA Skills Sections will also need to be completed and turned in with test. *Proctor, when doing SCBA Skills sections please allow candidate to choose between COAT or Over Head and only complete and turn in only one method.*

If your station has a Booster, Rehab, Aerial or Squad those sections can be found in the Appendix, please don't print if you don't need them.

Student's Name: _____

Date: _____

Instructor's Name: _____

Station: _____

Overall Pass/Fail: _____

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
1	Personal Protective Equipment					
1.1	Bunker Gear Familiarization					
1.1.1	What three types of heat is bunker gear protecting us from	2				Radiation, Convection, and Conduction
1.1.2	What are the three layers of protection in bunker gear?	2				Outer shell, moisture barrier, thermal barrier
1.1.3	What is the primary component of the thermal barrier?	1				Air pockets
1.1.4	What is the Thermal Protective Performance (TPP) rating	1				Ability of the gear to protect against convective radiant heat
1.1.5	What is the limiting item in our PPE with respect to temperature?	1				SCBA mask, Scott AV-3000 facemask
1.1.6	What are some of the safety features of our bunker boots?	1				Steel toe, steel sole, thermal protection

1.1.7	What are some of the safety features of our helmets?	1				Wide brim to prevent water flow onto our head, chin strap, integral eye protection
1.2	SCBA Familiarization					
1.2.1	Describe SCBA pack	2				Scott NgX7, 45 minute bottle, integral PASS (Personal Alert Safety System) device, packs and regulator numbered so they stay together as they were flow tested
1.2.2	Perform standard SCBA checkout describing all steps as they are performed	3				Bottle pressure (>4,000 psi), Strap damage, open bottle fully, compare gauges, allow PASS to activate, manually activate PASS, verify heads up display, verify air flow manually through regulator, verify bypass, close bottle, bleed air and verify vibra-alert, turn off pack
1.3	Don bunker gear in accordance with SFFMA standard					Fill out SFFMA skill sheet; Mandatory Pass/Fail
1.4	Don SCBA (overhead or coat method) in accordance with SFFMA standard					Fill out SFFMA skill sheet; Mandatory Pass/Fail
1.5	Demonstrate air bottle removal, filling, and reinstallation. Describe all steps as they are performed during filling.	2				Cascade system, use of enclosure in case of rupture, fills slowly to avoid temperature increase of bottle, bleeds line prior to disconnecting
1.6	Emergency Connections					
1.6.1	Describe buddy breather and RIT connection operations and the differences between the two	2				Buddy breather joins the SCBAs and air taken from lowest pressure bottle first and then the higher pressure bottle RIT connection equalizes the pressure between the RIT bottle and the SCBA bottle
1.6.2	Demonstrate connection of buddy breather	1				Self-explanatory; Know difference between use of male or female connection

1.6.3	Demonstrate connection of RIT bottle	1				Self-explanatory
	Section 1 Total:	20				Passing score is 15

Item	Requirement	Points Available	Instructor Initials	Instructor Remarks	Details of Requirement	
2	Fire Science					
2.1	Describe the four sides of the Fire Tetrahedron	2			Fuel, Heat, Oxidizer, Chemical Reaction	
2.2	Describe thermal layering to the instructor	1			Gasses in a room separate into layers based on their respective temperature with hottest at the ceiling of the room	
2.3	Describe rollover	1			Smoke and gasses at ceiling reach combustion temperature	
2.4	Describe flashover	1			All contents in room reach combustion temperature	
2.5	Describe backdraft	1			Oxidizer missing from fire tetrahedron	
2.6	Describe a Class “A” fire	1			Ordinary combustibles (wood, paper, etc.)	
2.7	Describe a Class “B” fire	1			Flammable liquids	
2.8	Describe a Class “C” fire	1			Electrical fire; what does a Class C fire become if you de-energize the source – Class A	
2.9	Describe a Class “D” fire	1			Flammable metals	
2.10	Describe a Class “K” fire	1			Kitchen grease fire	
	Section 2 Total:	11			Passing score is 8	
3	Fire Attack					
3.1	What are the different methods of fire attack, describe them, and when would you want to use each?	3			Direct, Indirect and Combination	
3.1.1	Direct	1			Direct fire stream at the seat of the fire	
3.1.2	In-direct	1			Direct water stream not at seat of fire; methods: rain down, bank, and roll up	
3.1.3	Combination	1			Self-explanatory	
3.2	For the combination attack, what are the “A, T, Z” methods describe?	1			Nozzle movement	
	Section 3 Total:	7			Passing score is 5	
Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
4	Incident Command					

4.1	What does ICS stand for?	1				Incident Command System
4.2	In general, what is ICS?	1				Organization of the personnel and equipment on scene of an incident
4.3	What are some of the major principles of ICS	3				Unity of Command, Unified Command, Chain of Command, Span of Control, Common Nomenclature, Incident Action Plan, Expandability,
4.4	What are the major components of an ICS System	2				Command, Operations, Planning, Logistics, Finance
4.5	Should every incident have an Incident Commander?	1				Yes
4.6	How is Incident Command passed?	1				In person and receiver must accept the Command
	Section 4 Total:	9				Passing score is 7
5	District/Map Knowledge					
5.1	Know location of major subdivisions in your District	2				Evaluator's discretion
5.2	Know major thorough fares and cross streets in your district	2				Evaluator's discretion
5.3	Demonstrate knowledge and operation of apparatus MDT	2				Start up and login procedure, connection to truck wireless system, general operation of MDT (various screens, etc.), specific operation of MDT and map use
5.4	Demonstrate knowledge and use of map books	2				Use of index, finding a location
5.5	Demonstrate knowledge and use of building map books	2				Use of index, information found on building map book pages (alarm system, hydrants, FDC's, etc.)
	Section 5 Total:	10				Passing score is 8

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
6	Radio Use and Knowledge					
6.1	What are the call signs for LCFD?	3				601, 602, 604, 605, 690, 698, 699, etc.
6.2	What is the nominal terminology for radio use and demonstrate test radio call	1				You to who you are calling (e.g. E-3 to League City)
6.3	What are the major radio channels for LCFD and demonstrate on radio	2				Fire Dispatch, LC TAC 1, LC TAC 2, LC TAC 3, Bay Area TAC 1, Harris County Mutual Aid 2
6.4	Describe how to call a Mayday and demonstrate	2				Mayday, Mayday, Mayday. Await IC response, relay mayday information (e.g. LUNAR)
	Section 6 Total:	8				Passing score is 6
Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
7	Engine Apparatus Familiarization					
7.1	The amount of detail to be known by the student is at the discretion of the evaluator. However, the student should know the location and information of the following equipment:					Info only
7.2	Hoses: <ul style="list-style-type: none"> • Speedlays • Front bumper line • Large diameter intake line (5") • Apartment lay 2.5" • Rear Attack 2.5" • Booster line • High Rise packs and high rise bag • Spare hose • Ground monitor • Deck gun 	5				Know the quantity, size, length, and nozzle information (type and pressure rating)

7.3	<u>Firefighting Equipment:</u> <ul style="list-style-type: none"> • Axes • Halligan • Pike poles • Closet hooks • Sledge hammer • Booster line • Piercing nozzle • Long tools (pike and gypsum hook) • Ladders • Thermal imager • RIT pack • Extinguishers • Chainsaw • K-12 Saw 	5				Know location and info
7.4	<u>Rescue Equipment:</u> <ul style="list-style-type: none"> • Extrication hydraulic tools • Cribbing • Supports • Pry bar • Cable cutters • Bolt cutters • Handsaws (Windshield, Sawzall) • Utility rope • EMS bag • Landing zone strobes • AED • Safety vests • Elevator Keys 	5				Know location and info
Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
7	Engine Apparatus Familiarization Continued					
7.5	<u>Overhaul & Cleanup Equipment:</u> <ul style="list-style-type: none"> • Gas meter • Salvage covers • Absorball • Ventilation fan • Brooms • Squeegee • Shovels • Cord reels • Portable lights • Sprinkler plugs 	4				Know location and info

7.6	Miscellaneous Equipment: <ul style="list-style-type: none"> • Spare nozzles • Hose clamps • Hose squeegee • Plug & dike kit • Hand tools • Spare air bottles • Water key 	4				Know location and info
	Section 7 Total:	23				Passing score is 17
8	Hose Operations					
8.1	Demonstrate speedlay deployment and reloading	3				200' length of 1.75" in triple lay
8.2	Demonstrate apartment lay deployment and reloading	3				100' length of 2.5" in flat lay, gated wye, and one high rise pack (100' of 1.75")
8.3	Demonstrate connection to hydrant and charging the line	3				Pull 5" supply line and hydrant bag, allow truck to drive off, flush hydrant, connect 5", charge the line when instructed
	Section 8 Total:	9				Passing score is 7
Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
9	Ladder Operations					
9.1	Remove, transport, erect, lower, and re-stow extension ladder	3				Two FFs work as a team; Shoulder or suitcase transport, place ladder, check for overhead obstructions, foot ladder while raising, rung or beam raise, raise fly section, set angle, secure halyard, foot ladder for climbing, lower ladder in reverse
9.2	Remove, transport, erect, lower, and re-stow combination ladder	2				Two FFs work as a team; Deploy ladder in A-frame configuration
9.3	Remove, transport, erect, lower, and re-stow attic ladder	2				Remove, deploy, and re-stow (single FF activity)
9.4	Remove roof ladder and describe deployment on a roof and re-stow	2				Remove ladder, open hooks, describe how to raise up onto roof, re-stow ladder (single FF activity)
	Section 9 Total:	9				Passing score is 7
10	Rescue Tool Operations					
10.1	Deploy hydraulic driven extrication tools, operate and re-stow	4				Deploy hydraulic power pack, one hose and one tool (cutters or spreaders), start power pack and operate tool, shut down and re-stow

10.2	Describe operation of support struts	2				Describe where to place strut and how to secure strut
	Section 10 Total:	6				Passing score is 5
11	Saw Operations					
11.1	Deploy, start, shut down and re-stow the chainsaw	3				Proper start sequence utilized and refill with proper fuel
11.2	Deploy, start, shut down and re-stow the K-12	3				Proper start sequence utilized and refill with proper fuel
	Section 11 Total:	6				Passing score is 5

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
12	Extinguisher Operations					
12.1	Describe the wet water extinguisher	2				Class A & B; 2.5 gallon, 3% foam solution; charge to 100 psi
12.2	Demonstrate usage of wet water extinguisher	2				Pull, Aim, Squeeze, Sweep (PASS)
12.3	Demonstrate refilling of wet water extinguisher	2				Proper refill procedure using measured quantities of water and foam; charge with shop air while monitoring gauge, install pin and secure with tie wrap
12.4	Describe how to replace dry chem extinguisher	2				Notify apparatus officer & station equipment officer
	Section 12 Total:	8				Passing score is 6



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TESTING SKILLS

PERSONAL PROTECTIVE EQUIPMENT #2

Donning and Doffing of PPE

Subject: General
NFPA 1001 5.1.2

Section 101
Firefighter I

OBJECTIVE

The firefighter trainee will demonstrate the ability to don personal protective clothing within 1 minute; doff personal protective clothing. (5.1.2)

INSTRUCTIONS - procedures for achieving the objective

You will be given a complete set of protective clothing (turnout coat, turnout pants, hood, gloves, helmet, and boots). You will be required to properly don the protective clothing in 1 minute. After you have donned the clothing, reverse the procedure to doff and place in ready state. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

EXAMINERS NOTE

Only the donning of the protective clothing will be timed. The firefighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Turnout coat Turnout pants Hood
Helmet Gloves Boots



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TESTING SKILLS

FIREFIGHTER I: PERSONAL PROTECTIVE EQUIPMENT #2

Donning and Doffing of PPE

Candidate: _____

Notes: _____

Examiner: _____

School: _____

Test Site: _____

The firefighter trainee will demonstrate the ability to don personal protective clothing within 1 minute; doff personal protective clothing. (5.1.2)

	POSSIBLE POINTS	TEST	RETEST
Turnout pants and boots			
a. Removes safety shoes	1		
b. Steps into turnout pants and boots one foot at a time	1		
c. Pulls pants up by waistband (not suspenders)	1		
d. Adjusts suspenders (if applicable)	1		
e. Fastens all snaps and buckles and secures Velcro (if present)	1		
Turnout coat and protective hood		TEST	RETEST
a. Dons protective hood properly	1		
b. Dons turnout coat	1		
c. Fastens all snaps and buckles and secures Velcro (if present)	1		
d. Turns up collar	1		
Helmet and gloves		TEST	RETEST
a. Dons helmet with earflaps down (adjusts chinstrap)	1		
b. Dons gloves	1		
c. Completes skill in allotted time	1		
Doffing		TEST	RETEST
a. Doffs personal protective clothing and place in ready state (This last step is not timed)	1		
TOTAL POINTS:	13		

Points needed to pass: 9



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TESTING SKILLS

FIREFIGHTER I: PERSONAL PROTECTIVE EQUIPMENT #2

Donning and Doffing of PPE

Evaluator/Candidate Comments:

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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INSTRUCTIONAL SKILLS

SCBA #2

Donning Breathing Apparatus using the **COAT METHOD**

Subject: Fireground Operations

NFPA 1001 5.3.1

Firefighter I

OBJECTIVE

The firefighter trainee, wearing full protective clothing, shall properly don a Self-Contained Breathing Apparatus (SCBA) using the coat method. The trainee will have a maximum time limit of 1 minute.

INSTRUCTIONS - procedures for achieving the objective

With the Self-Contained Breathing Apparatus (SCBA) laying on the ground, back plate up, you shall don the breathing apparatus using the coat method. You shall verbalize the mandatory steps while performing this skill. You have 1 minute to complete the skill. You will begin on my instruction to start. Time will stop when all identified steps have been accomplished and you put your hands in the air to signal that you are finished with this skill. Do you understand these instructions?

Examiners Note

The SCBA shall be ready for this task prior to admitting the trainee into the test area.

The SCBA shall not be touched by the trainee prior to the start of the examination. The firefighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Self-Contained Breathing Apparatus unit

As required by NFPA 1001, the firefighter trainee shall begin and end wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, coat, boots, hood, trousers, and gloves.

"The firefighter I should already be wearing full protective clothing prior to the beginning of this SCBA-donning procedure. In addition to fully donning and activating the SCBA, the Fire Fighter I should also replace any personal protective clothing (i.e., gloves, protective hood, helmet, etc.) displaced during the donning procedure and activate the PASS device within the specified 1 min time limit." (NFPA 1001, A-3-3.1)



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INSTRUCTIONAL SKILLS

FIREFIGHTER I: SCBA #2

Donning Breathing Apparatus using the **COAT METHOD**

Candidate: _____

Notes: _____

Examiner: _____

School: _____

Test Site: _____

The firefighter trainee, wearing full protective clothing, shall properly don a Self-Contained Breathing Apparatus (SCBA) using the coat method. The trainee will have a maximum time limit of 1 minute.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Begins procedure with protective ensemble properly donned	1		
b. Checks cylinder gauge, verbalizes PSI	1		
c. Turns the cylinder valve on fully and listens for alarm	1		
d. Properly positions SCBA unit on his/her back using the coat method	1		
e. Fastens and adjusts straps	1		
f. Dons face piece and checks for proper seal	1		
g. Protective ensemble properly dons, no skin exposed and collar fastened with helmet chin strap securely fastened under chin	1		
h. Breathes from the SCBA unit	1		
i. Confirms and verbalizes that PASS device is on	1		
j. Completes skill in time allotted (1 minute or less)	1		
TOTAL POINTS:	10		

Points needed to pass: 7

Evaluator/Candidate Comments:

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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INSTRUCTIONAL SKILLS

SCBA #3

Donning Breathing Apparatus using the **OVER THE HEAD METHOD**

Subject: Fireground Operations

NFPA 1001 5.3.1

Firefighter I

OBJECTIVE

The firefighter trainee, while wearing full protective clothing, shall demonstrate the procedure for donning the SCBA using the over the head method. The firefighter trainee will have a maximum time limit of 1 minute.

INSTRUCTIONS - procedures for achieving the objective

With the Self-Contained Breathing Apparatus (SCBA) laying on the ground, back plate up, you shall don the breathing apparatus using the over the head method. You have 1 minute to complete the skill. You will begin on my instruction to start. Time will stop when all identified steps have been accomplished and you put your hands in the air to signal that you are finished with this skill. Do you understand these instructions?

EXAMINERS NOTE

The SCBA shall be ready for this skill prior to admitting the trainee into the test area. The SCBA shall not be touched by the trainee prior to the start of the examination. The firefighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Self-Contained Breathing Apparatus unit

As required by and NFPA 1001, the firefighter trainee shall begin and end wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, coat, boots, hood, trousers, and gloves.

The firefighter I should already be wearing full protective clothing prior to the beginning of this SCBA-donning procedure. In addition to fully donning and activating the SCBA, the Firefighter I should also replace any personal protective clothing (i.e., gloves, protective hood, helmet, etc.) displaced during the donning procedure and activate the PASS device within the specified 1 min time limit. (NFPA 1001, A-5.3.1)



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INSTRUCTIONAL SKILLS

FIREFIGHTER I: SCBA #3

Donning Breathing Apparatus using the **OVER THE HEAD METHOD**

Candidate: _____

Notes: _____

Examiner: _____

School: _____

Test Site: _____

The firefighter trainee, while wearing full protective clothing, shall demonstrate the procedure for donning the SCBA using the over the head method. The firefighter trainee will have a maximum time limit of 1 minute.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Begins procedure with protective ensemble properly donned	1		
b. Checks cylinder gauge, verbalizes PSI	1		
c. Turns the cylinder valve on fully and listens for alarm	1		
d. Properly positions the SCBA unit on back using the over the head method	1		
e. Fastens and adjusts straps	1		
f. Dons face piece and checks for proper seal	1		
g. Protective ensemble properly donned, no skin exposed and collar fastened with helmet chin strap fastened under chin	1		
h. Breathes from the SCBA unit	1		
i. Confirms and verbalizes that PASS device is on	1		
j. Completes skill in allotted time (1 minute or less)	1		
TOTAL POINTS:	10		

Points needed to pass: 7

Evaluator/Candidate Comments:

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score

Pass ☐

Fail ☐

Overall Skill Sheet Re-Test Score

Pass ☐

Fail ☐

APPENDIX – Specialty Apparatus

Aerial Section

Item	Requirement	Points Available	Instructor Initials	Instructor Remarks	Details of Requirement
A1	Aerial Apparatus				
A1.1	<u>Apparatus Familiarization:</u> The amount of detail to be known by the student is at the discretion of the evaluator. However, the student should know the location and information of the following equipment:				Info only
A1.1.1	<u>Hoses:</u> <ul style="list-style-type: none"> • Speedlays • Front bumper line • Large diameter intake hose (5") Apartment lay 2.5" • High Rise packs and high rise bag • Spare hose • Aerial master stream 	5			Know the quantity, size, length, and nozzle information (type and pressure rating)
A1.1.2	<u>Firefighting Equipment:</u> <ul style="list-style-type: none"> • Axes • Halligan • Pike poles • Closet hooks • Sledge hammer • Booster line • Piercing nozzle • Long tools (pike and gypsum hook) • Ladders • Thermal imager • RIT pack • Extinguishers • Chainsaw • K-12 Saw 	5			Know location and info

Item	Requirement	Points Available	Instructor Initials	Instructor Remarks	Details of Requirement
A1	Aerial Apparatus Continued				
A1.1.3	<u>Rescue Equipment:</u> <ul style="list-style-type: none"> • Cable cutters • Bolt cutters • Rescue rope • Rescue rope equipment • Utility rope • Ladder belts • Landing zone strobes • Safety vests • Elevator keys 	5			Know location and info
A1.1.4	<u>Overhaul & Cleanup Equipment</u> <ul style="list-style-type: none"> • Gas meter • Salvage covers • Absorball • Ventilation fan • Brooms • Squeegee • Shovels • Cord reels • Portable lights • Sprinkler plugs 	4			Know location and info
A1.1.5	<u>Miscellaneous Equipment:</u> <ul style="list-style-type: none"> • Spare nozzles • Hose clamp • Hose squeegee • Hand tools • Spare air bottles 	3			Know location and info
A1.2	Describe aerial load limits	2			Apparatus specific
A1.3	Aerial Operations				
A1.3.1	Demonstrate set up of apparatus for aerial operations	4			Engage aerial electrical and hydraulic circuits; chock tires, set outriggers and raise and level apparatus
A1.3.2	Demonstrate operation of aerial ladder	4			Verify no overhead obstructions, demonstrate un-cradling, raise aerial, rotate aerial, extend and retract aerial, re-cradle aerial
A1.3.3	Demonstrate operation of aerial master stream devices	2			Water doesn't need to flow but movement of both electric and manual master stream devices

Item	Requirement	Points Available	Instructor Initials	Instructor Remarks	Details of Requirement
A1.3.4	Demonstrate parapet ladder installation	2			T-3 only; Remove roof ladder, install in parapet ladder clamps, secure ladder, remove and re-stow ladder
A1.3.5	Demonstrate stokes basket installation	2			T-3 only; Remove stokes basket, install stokes basket supports, install stokes basket, remove and re-stow stokes basket and supports
	Section A1 Total (T-3):	37			Passing score (T-3) is 28
	Section A1 Total (non T-3):	33			Passing score (non T-3) is 25

Squad Section

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
SQ	Squad Apparatus					
SQ.1	<u>Apparatus Familiarization:</u> The amount of detail to be known by the student is at the discretion of the evaluator. However, the student should know the location and information of the following equipment:					Info only
SQ.1.1	<u>Fire Fighting Equipment:</u> <ul style="list-style-type: none"> • Thermal Imager • Flashlights • Spare SCBA Mask • Axes • Halligans • Pike pole • Closet hook • Sledge hammer • TNT Tools Closet Hook RIT Pack • Extinguishers (Dry Chem & Wet Water) • Chainsaw • K-12 saw • Spare SCBA Bottles 	5				Know location and info

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
SQ1	Squad Continued					
SQ.1.2	<u>Rescue Equipment:</u> <ul style="list-style-type: none"> • Extrication Tools • Securenet – Air Bag Restraint • Stabilization Struts • Cribbing • Shoring • Wench-Connection points • Hi Lift Jacks • High & Low Pressure Lifting Bags • Ajax Tool • Cable cutters • Bolt cutters • Rescue Harnesses, Helmets & Gloves • Rescue Bags for Hauling/Lowering • Rescue Bag for S.A.R. • Utility Rope Bags • Rescue Rope Appliances • Tripod • Stokes Basket, Rescue Litter & SKED • Half Back & Back Boards • Life Vests • Landing Zone Strobes • Safety Vests Latex Gloves • Extrication Jackets • Elevator Keys 	5				Know location and info
SQ.1.3	<u>Overhaul and Cleanup Equipment:</u> <ul style="list-style-type: none"> • Gas meter • Salvage covers • Absorball Chute and Spare Bags • Absorbent Booms/Pads Ram Fan & Tubing • Ventilation fan • Brooms • Shovels • Cord reels • Portable lights • Power Tools – AC & DC 	2				Know location and info

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
SQ	Squad Apparatus Continued					
SQ.1.4	<u>Rescue Truck Operations:</u> <ul style="list-style-type: none"> • Cab Tilt • 911 Key • MDT • Map Book • Generator • Command Light Controls • Breaker Panel • Scene Lights Cascade • Air Reel • Binoculars • Reflective Safety Vests • Inventory Book 	4				Know location and info
SQ.2	Rescue Equipment Operation					
SQ.2.1	<ul style="list-style-type: none"> • Hydraulic Tools: <ul style="list-style-type: none"> ○ Generator ○ Cutters ○ Spreader ○ Rams • Stabilizers/Struts • Cribbing • Lifting Bags <ul style="list-style-type: none"> ○ High Pressure ○ Low Pressure 	3				Demonstrate operation of tools, explain load limits, discuss hazards
SQ.2.2	<ul style="list-style-type: none"> • Cascade <ul style="list-style-type: none"> ○ Fill SCBA Bottles ○ Re-Fill Cascade 	2				Demonstrate
SQ.2.3	<ul style="list-style-type: none"> • Confined Space/Rope Rescue <ul style="list-style-type: none"> ○ Tripod ○ Rope & Riggings ○ Stokes Basket Rigging 	2				Demonstrate operation of tools, explain load limits, discuss hazards
SQ.2.4	<u>General Rescue Truck Operation:</u> <ul style="list-style-type: none"> • Wench • Generator • Command Light • Scene Lights • Absorball Chute – Use & Re-Fill 	3				Demonstrate operation of tools, explain load limits, discuss hazards
	Section SQ Total:	27				Passing score is 20

Rehab Section

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
RB	Rehab Apparatus					
RB.1	Apparatus Familiarization: The amount of detail to be known by the student is at the discretion of the evaluator. However, the student should know the location and information of the following equipment:					Info only
RB.1.1	Demonstrate proper apparatus start up procedure	1				Demonstrate
RB.1.2	Demonstrate proper method of turning on the PTO	1				Demonstrate
RB.1.3	Demonstrate emergency light	1				Demonstrate
RB.1.4	Demonstrate scene light operation	1				Demonstrate
RB.1.5	Demonstrate proper set up of restroom for use	1				Demonstrate
RB.1.6	Demonstrate deploying both awnings	2				Demonstrate
RB.1.7	Demonstrate setting up command light	1				Demonstrate
RB.1.8	Show location of the electrical system breaker box	1				Demonstrate
RB.2	Rehab Equipment Operation					
RB.2.1	Describe how the restroom works and proper way to empty and refill water tanks	5				Full description
RB.2.2	Demonstrate proper use of compressor system and fill one bottle	2				Demonstrate
RB.2.3	Describe cool vest system setup and operations	2				Full description
RB.2.4	Demonstrate setting up misting fans	1				Demonstrate
RB.2.5	Describe rehab area setup and	5				Full description
	Section RB Total:	24				Passing score is 18

Booster Section

Item	Requirement	Points Available	Points Earned	Instructor Initials	Instructor Remarks	Details of Requirement
BT	Booster Truck Apparatus					
BT.1	Apparatus Familiarization: The amount of detail to be known by the student is at the discretion of the evaluator. However, the student should know the location and information of the following equipment:					Info only
BT.1.1	Show location of hand tools and miscellaneous equipment	2				Demonstrate
BT.2	Booster Truck Equipment Operation					Info only
BT.2.1	Demonstrate how to start pump and flow water	4				Demonstrate
	Section BT Total:	6				Passing score is 4