

# New Hampshire Fire Standards and Training and Emergency Medical Services. Bureau of Fire Training. Firefighter 1 Curriculum.

# **Topic: PPE and SCBA**

# **Revisions:**

<b>Revision Date:</b>	Revision Description:
01/2025	10-2, 10-3, 10-4, Addition of the preference of Ungloved hand when masking up.
01/2025	10-7 Addition of the placement of the speaker mic for comms.

# NHFA FIREFIGHTER I COURSE GUIDE UNIT 9 and 10: PPE & SCBA (8 HR)

CHAP	SKILL DRILL	SKILL #	STAND. EVOL. #
	LAB BLOCK		
9	PPE inspection	9-6	
10	Cleaning SCBA	10-14	
10	Daily Inspection	10-13	
10	Replacing a Cylinder 1FF	10-5	
	BLOCK 1		
9	Don PPE	9-1	
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10	Donning SCBA "Over-The-Head"	10-2	
10	Donning SCBA Coat Method	10-3	
10	Activating SCBA Regulator	10-1	
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10	Replace Cylinder 2FF	10-6	
10	Refill SCBA Cascade	10-15	
	BLOCK 2		
17	Mounting and Dismounting an Apparatus	17-1	
10	Donning SCBA Seat Mount	10-16	
10	Control Breathing	10-8	
10	Communication Techniques While Wearing SCBA	10-7	
10	Emergency Use of Regulator Bypass	10-9	
10	Crack or Leak In the Facepiece	10-10	
10	No Air Maneuver	10-11	
10	Using the Universal Rescue Connection	10-12	
	Work Capacity Evolution		9SE-6S1
	1,000 Pound Evolution		10SE-6S1



# NH FIRE ACADEMY FIREFIGHTER I

# UNIT 9 & 10, LAB BLOCK (2HR)

CLASS NAME: PPE & SCBA

# NUMBER OF INSTRUCTORS: 3 INSTRUCTORS

EQUIPMENT NEEDED	<ul><li>Full PPE and SCBA for students</li><li>tables</li></ul>
FACILITY NEEDED	Areas large enough to assemble the students

SKILL DRILL REFERENCE 9-	-6	10-5	10-13	10-14				
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GENERAL INSTRUCTION	Assemble the class in the classroom.
	Be mindful of the students' lack of familiarity with PPE and SCBA. This may be their first exposure to firefighting equipment.

#### **NH FIRE ACADEMY FIREFIGHTER I**

# UNIT 9 & 10 LAB BLOCK (2HR)

EVOLUTION	DESCRIPTION
PPE Inspection	Instructors shall demonstrate performing a PPE Inspection.
	Skill Drill 9-6
	Each student shall conduct a PPE Inspection.
Daily Check	Instructors shall lead the students through a SCBA Daily Check.
	Skill Drill 10-13
	Students shall operate the unit and verbally describe features of the unit.
SCBA Functions & Features	Instructors shall demonstrate all functions and features of the specific SCBAs used by the students. NOTE: Place students with the same SCBA manufacturer in the same group when possible.
Douloging on Air	Instructors shall demonstrate replacing an air cylinder.
Replacing an Air Cylinder	Skill Drill 10-5
	Each student shall remove and replace the cylinder in their SCBA
Cleaning SCBA	The Instructor shall demonstrate how to clean and decontaminate an SCBA,
	Skill Drill 10-14.
	Students will describe how to clean and decontaminate their SCBA.



# NH FIRE ACADEMY FIREFIGHTER I

# UNIT 9 & 10, BLOCK 1 (2 HR)

# CLASS NAME: PPE & SCBA

# NUMBER OF INSTRUCTORS: 4 INSTRUCTORS

EQUIPMENT NEEDED	<ul> <li>Full PPE and SCBA for students</li> <li>Salvage covers (4)</li> <li>Cascade unit</li> </ul>

FACILITY NEEDED	Areas large enough to assemble the students with PPE & SCBA
	around four salvage covers.

SKILL DRILL REFERENCE	9-1	9-3	9-4	9-5	10-1	10-2	10-3	10-4	10-6
SKILL DRILL REFERENCE	10-15								
GENERAL INSTRUCTION									
	Be mindful of the students' lack of familiarity with PPE and SCBA. This may be their first exposure to firefighting equipment.				Α.				
	Mainte	enance s	kills are	importai	nt in insu	ring pro	per SCBA	function	า.

EVOLUTION	DESCRIPTION
Donning & Doffing PPE	Instructor shall demonstrate proper donning and doffing of PPE. Skill Drill 9-1 & 9- Instructors shall demonstrate how to don PPE from a bag, floor, and gear rack.
	Students don and doff PPE numerous times. Emphasize safety and by the end of the session's students should be fairly proficient at properly donning and doffing PPE. A target time will be introduced only after students are comfortable with the proper donning of PPE (60 seconds).
Donning & Doffing SCBA	Instructor shall demonstrate donning using the "Over-The-Head" and "Coat methods of donning SCBA, as well as doffing SCBA. Skill Drill 10-1, 10-2, 10-3, and 10-4.
	Students shall perform each method until minimal competency has been achieved. Time will be introduced only after the students are comfortable with the proper donning and doffing of SCBA. A target time will be introduced only after students are comfortable with the proper donning of SCBA (60 seconds).
Replacing Cylinder	Instructors shall demonstrate replacing an air cylinder (two person). Each student shall remove and replace the cylinder on another firefighter. Skill Drill 10-6 Students shall demonstrate removal and replacement of a cylinder on another firefighter.
Refilling Cylinder	Instructors shall demonstrate refilling the cylinder using a student's cylinder. Skill Drill 10-15. Cascading is explained if the equipment being used does not have that function available.
Doffing Superheated 1 & 2FF	Instructor shall demonstrate proper doffing for 1FF and 2FF of superheated PPE and SCBA Skill Drill 9-5 and 9-6.
211	Students shall perform proper 1FF doffing of PPE and SCBA numerous times. Each student shall perform proper removal of PPE and SCBA on another firefighter. This will be repeated numerous times until minimal competency has been achieved.
Donning for work	Instructor shall demonstrate donning SCBA mask, helmet, hood, and gloves.
	Students shall don all PPE including SCBA minus SCBA mask and hood. Then from a position students shall don their mask, hood, helmet, gloves, and engage their regulator. This will be repeated numerous times until minimal competency has been achieved. A target time will be introduced only after students are comfortable with properly donning (25 seconds).

**NOTE:** Donning for work and doffing superheated 1FF can be combined for efficiency.



# CLASS NAME: PPE & SCBA

# NUMBER OF INSTRUCTORS: 6

EQUIPMENT       • Full PPE and SCBA for students         NEEDED       • Area to complete work capacity         • Salvage covers (4)       • Apparatus         • Apparatus       • Seat Mount         • 50' of 1 ¾" hose       • 6 cones         • Two tires       • 4 sledge hammers         • Times       • Two power saws         • 4 step boxes       • Cascade filling station	
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FACILITY NEEDED	Areas large enough to assemble the students with PPE & SCBA
	around four salvage covers.

SKILL DRILL REFERENCE         10-7         10-8         10-9         10-10         10-11         10-12         10-16         17-1									
	10-7	10-8	10-9	TO TO	10-11	10-12	10-16	1/ I	

GENERAL INSTRUCTION	Assemble the class in the practice area. Divide the class into 4 groups with one instructor assigned to each group.
	Be mindful of the students' lack of familiarity with PPE and SCBA. This may be their first exposure to firefighting equipment.
	Maintenance skills are important in insuring proper SCBA function.

EVOLUTION	DESCRIPTION
MOUNTING &	Instructors shall demonstrate mounting and dismounting an apparatus and
DISMOUNTING APPARATUS	donning an SCBA in the Seated position.
	Skill Drill 10-16 and 17-1
DONNING SEAT MOUNT	Students shall demonstrate how to properly mount and dismount and apparatus.
	Students shall demonstrate properly donning an SCBA in the seated position.
COMMUICATING & BREATHING CONTROL	Instructors shall demonstrate techniques for controlling breathing and communicating while wearing an SCBA.
	Skill Drill 10-7 and 10-8
	Students shall perform a work capacity evaluation. See <b>9SE-6S1</b>
EMERGENCY PROCEDURES	Instructor shall demonstrate proper emergency procedures when your face piece is cracked and when you have no air. Instructor shall demonstrate how to use your regulator bypass and the universal rescue connection.
	Skill Drill 10-9, 10-10, 10-11, and 10-12
	Students will perform a 1,000 psi drill. See <b>10SE-6S1</b>

#### 9SE-6S1: Work Capacity Evaluation

#### **Skill Drills:**

#### **Instructions:**

The work capacity evaluation is designed to assess the student's air management while performing moderate work. This is not a **pass/fail** evaluation. The evaluation will be performed at the beginning of the course and at the end of the course to assess students' air management progress throughout the course.

#### **Instructor:**

The instructor will record the student's name, start air pressure and the time of the following landmarks, start, low air alarm activated, end air pressure, and the end time. The evaluation ends when all students complete all stations.

#### **Directive:**

Students will Don their PPE and SCBA minus going onto air and stand in front of the step box.

The instructor will state go and start the time. Students will go on air and step up with one foot then step up with the next foot standing on the box. Then one foot at a time students will step down until both feet are on the ground. This will be repeated for approximately two (2) minutes. Students will stop with both feet on the ground and pick up a 50' bundle of hose.

Students will then walk to the next station (carry and drag hose). Set down the 50' hose bundle. Students kneel and grab the end of 100' hose pulling hand over hand until the hose reaches the line on the hose. Students will then walk to the next station (tool swing).

Students will pick up a 10-lb sledgehammer and swing the sledgehammer no higher than shoulder height and down to a tire. Students will repeat this ten times.

Students will walk to the next station (tool carry). Using proper lifting techniques students will pick from the floor two power saws or two 15-lb kettlebells, one in each hand, then walk 10' turn and walk back. Using proper lowering techniques students will place saws or kettlebells onto the floor. Students must walk, no running or walking fast will be allowed.

Students walk to the next station (Modified Bear Crawl). Students will start at one set of cones crawl 35' to the second set of cones and then crawl back to the original set of cones. Students are expected to stay in the modified crawl between cones. Note: Students can rest for no more than 30 seconds once they reach the second set of cones.

Students will walk to the next station (Rescue Drag). Starting at one set of cones the student will grasp the handle of the weight sled and drag it 35 feet to the second set of cones without stopping and will return to first set of cones.

#### 10SE-6S2: Low Air Alarm Evaluation. (Old 1,000 pound Evaluation)

#### Skill Drills:

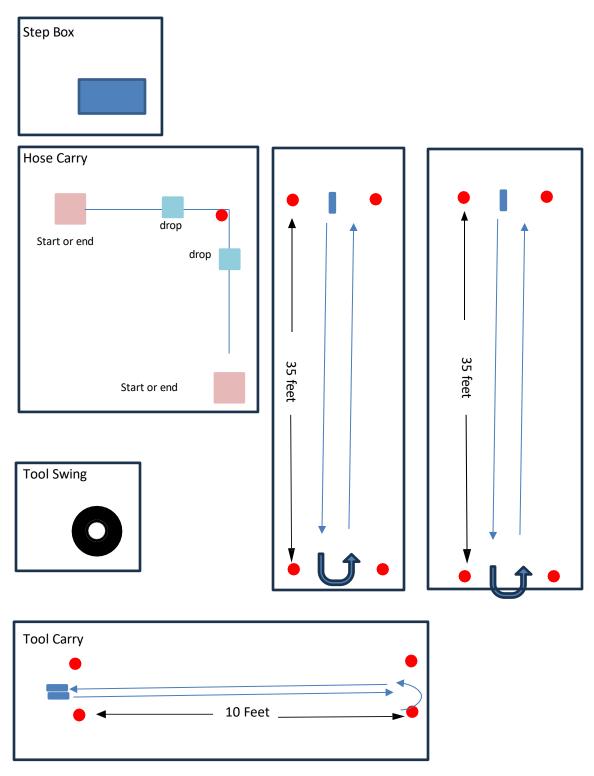
After the work capacity evaluation is complete students will remove their regulator and move to a designated location. The Instructor will open the purge valve of each student's regulator and bleed off air until the students air is at 1,000 psi. Once all students are at 1,000 psi then the students will attach their air regulator and sit down. The instructor will start the time and will record when each student is out of air.

During this assessment students will need to work on air management utilizing the techniques they have learned to determine how long their air will last before there is no air left to consume.

# WORK CAPACITY EVALUATION FORM

Name	Cylind	ler PSI	С	ylindo Mins	er	Start Cylinder PSI	Low Air Alarm Time	End time
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	•	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	:	:
	4500	5500	30	45	60	psi	•	•

# WORK CAPACITY EVALUATION LAYOUT



SKILL SHEET 9-1		Don Personal Protective Clothing			
OBJECTIVE:		NFPA 1001, 4.1.2	FEH Cha	pter: 9	,
CANDIDATE NAME/	NUMBER:		No.:		
TEST DATE/TIME					
EQUIPMENT REQUI [Add local requiremoneeded]		Personal protective equipment			
EVALUATOR INSTR	UCTIONS				
CANDIDATE INSTRU NOTE: The evaluato the following exactly written to the candid	r will read y as it is	The student will properly don Personal Protective Eq	quipment.		
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guid	les		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?			l	Pass	<mark>Fail</mark>
	Properly d	Properly don boots			
	Properly d	Properly don pants			
	Properly d	Properly don hood			
	Properly d	Properly don coat			
	Properly d	Properly don helmet			
	Properly d	on gloves			
EVALUATOR COMMENTS:					
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR SIGNA	TURE:				
STUDENT SIGNATU	RE:				

SKILL SHEET 9	-3	Doffing PPE			
OBJECTIVE:		NFPA 1001, 4.1.2	FEH Chap	oter: 9	
CANDIDATE NA	AME/NUMBER:		No.:		
TEST DATE/TIN	1E		Page 170	- 171	
EQUIPMENT RI [Add local requ needed]		• PPE			
EVALUATOR IN	ISTRUCTIONS				
CANDIDATE IN NOTE: The eva the following e written to the c	luator will read xactly as it is	Student will demonstrate doffing their PPE			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guid	des		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?				Pass	<b>Fail</b>
	The student re	moves his or her helmet			
	The student re	moves their gloves			
	The student do	ffs their coat			
	The student loo flash hood and	their			
	The student removes their suspenders, opens their pants closure, and pulls pants down completely around their boots, exposing the top of each boot.				
	The student should place the suspenders on top of the boots to keep them off the bottom of the locker, bag, or compartment.				
EVALUATOR COMMENTS:					
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR S	IGNATURE:				
STUDENT SIGN	IATURE:				

SKILL SHEET 9-4	L SHEET 9-4 Doffing Superheated Gear 1FF						
OBJECTIVE: NFPA 1001, 4.1.2 FEH Cha							
CANDIDATE NAME/NUMBER: No.:							
TEST DATE/TIME							
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul><li>PPE</li><li>SCBA</li></ul>						
EVALUATOR INSTRUCTIONS							
<b>CANDIDATE INSTRUCTIONS:</b> <i>NOTE: The evaluator will read</i> <i>the following exactly as it is</i> <i>written to the candidate</i>	Student will demonstrate doffing superheated gear.						
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Ge [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIA						
Critical?			Pass	Fail			
Keep your glo	Keep your gloves on and remove your regulator from your facepiece.						
Remove the h	ove the helmet.						
Loosen the sh	oulder straps to your SCBA all the way.						
Open the colla	collar tab and closure from the top down.						
Once at the w completely.	aist, open the SCBA waist strap and open the top of the pa	ints					
	as wide as possible; roll the coat and SCBA out and off y them slide to the ground.	our					
either a thumb before you pu	Use your feet to help pull the coat off your arms. If you have wristlets with either a thumbhole or loop, you may have to remove your gloves with your feet before you pull your arms out of the coat completely. Remember, if your gloves come off, do not touch any metal on your PPE; it will be hot enough to burn.						
help the pants	lo your suspenders and let the pants fall to the ground. Wiggle your legs to the pants fall. If necessary, use your hands, but only on the inside of the ts. Step on the boots to pull your feet out.						
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]							
EVALUATOR SIGNATURE:							
STUDENT SIGNATURE:							

SKILL SHEE	T 9-5	Doffing Superheated Gear 2 FF					
OBJECTIVE		NFPA 1001, 4.1.2	FEH Cha	apter: 9			
CANDIDATE	NAME/NUMBER:		No.:				
TEST DATE/	TIME						
	REQUIRED: equirements if	<ul><li>PPE</li><li>SCBA</li></ul>					
EVALUATO	RINSTRUCTIONS						
NOTE: The e	INSTRUCTIONS: evaluator will read g exactly as it is e candidate	Working as a member of a team, the student will demonstrate doffing superheated gear when a second firefighter is available		dure for			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides					
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]					
Critical?				Pass	<mark>Fail</mark>		
Keep your gloves		on and remove the firefighter's regulator from the facepied	ce.				
Loosen the should		er straps to the SCBA.					
	Open the collar tal	o and coat closures from the top down.					
	Once at your waist strap, open the strap. Roll the SCBA off the firefighter's shoulders along with the coat.						
	Undo the waist strap and open the top of the pants. Help the firefighter with the suspenders.						
	Pull down the pants and assist the firefighter with the boots.						
Remove the helm							
	Remove the helme	et, flash hood, and facepiece.					
EVALUATO	Remove the helme R COMMENTS:	et, flash hood, and facepiece.					
ANY COMM		et, flash hood, and facepiece.					
[ANY COMM REGARDING STUDENT A	R COMMENTS: ENTS PRO OR CON WHAT THE	et, flash hood, and facepiece.					

SKILL SHEET 9-6		PPE Inspection				
OBJECTIVE:		NFPA 1001, 4.1.2	FEH Chap	ter: 9		
CANDIDATE NAME/NUMB	ER:		No.:			
TEST DATE/TIME			Page 171 ·	172		
EQUIPMENT REQUIRED: [Add local requirements if needed]		• PPE				
EVALUATOR INSTRUCTIO	NS					
CANDIDATE INSTRUCTIO	NS:	Student will inspect their PPE.				
NOTE: The evaluator will r the following exactly as it written to the candidate						
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Gu	ides			
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL	.]			
Critical?				Pass	<b>Fail</b>	
Separat	the o	uter shell from the inner liner so each component can be in	nspected.			
	Check that the outer shell does not have any holes, cuts, separated seams, or missing reflective striping. All snaps, Velcro, and fasteners must be in working order.					
There s	hould	hat the moisture barrier is uniform in color. All seams should be intact. hould not be any signs of abrasion (typically in joint and pressure point ch as the knees, shoulders, and elbows).				
	In the thermal liner, look for signs of staining, worn seams, and quilting becoming unwoven.					
repaire	When any damage is found, the PPE needs to be taken out of service and either repaired by the manufacturer or certified repair facility or replaced. If you find or suspect any damage, report it to the station officer in charge of PPE.					
EVALUATOR COMMENTS:						
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]						
EVALUATOR SIGNATURE	:					
STUDENT SIGNATURE:						

SKILL SHEET 1	10-1	Activating SCBA Regulator			
OBJECTIVE:			FEH Chapt	er: 10	
			No.:		
TEST DATE/TIN			110		
EQUIPMENT RI [Add local requ needed]	EQUIRED:	PPE including SCBA			
	NSTRUCTIONS				
CANDIDATE IN	STRUCTIONS:	Student will demonstrate activating the SCBA regulator.			
NOTE: The eva the following e written to the c	xactly as it is				
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guid	des		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?				Pass	Fail
Push, click, or		twist your regulator into place on your mask.			
	Breathe in.				
	If your regulate regulator.	or malfunctions outside of an IDLH atmosphere, remove th	ne		
If the regulato receive air.		malfunctions in an IDLH atmosphere, utilize the bypass v	alve to		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR S	IGNATURE:				
STUDENT SIGN	IATURE:				

SKILL SHEET 1	0-2	Donning SCBA: Over-the-Head Method					
OBJECTIVE:		NFPA 1001, 4.3.1 FEH	Chapter: 10				
CANDIDATE N	AME/NUMBER:	No.:					
TEST DATE/TIN	re/time						
EQUIPMENT RI [Add local requ needed]		PPE including SCBA					
EVALUATOR IN	ISTRUCTIONS						
CANDIDATE IN NOTE: The eva the following e written to the c	luator will read xactly as it is	Student will don the SCBA using the over-the-head method.					
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides					
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]					
Critical?			Pass	<b>Fail</b>			
		place the unit so the cylinder valve is facing away from you and e sides. (Make sure the straps on your facepiece are fully extended					
	Pull your hood	Pull your hood back and kneel in front of the unit Check that your cylinder is full. Fully open the main cylinder valve. As the pressure increases, both visible and audible alarms activate automatically, indicating that the alarms are functional. When the system is fully pressurized, the alarms enter the normal use mode.					
	pressure incre indicating that						
	Grasp the back	plate with both hands and lift the unit over your head.					
		is over your head, tuck your arms in close to your body and slo down your back, while making sure that your arms slide into s.					
	Adjust your sh	oulder and waist straps for comfort.					
	With ungloved of the mask.	l hands pick up your facepiece and set your chin in the chin poo	ket				
	Fit the facepie	ce to your face and bring the straps or webbing over your head.					
	Adjust the straps in the following order: chin straps, temple straps, then head strap (if available). Make sure to pull the straps straight back, not outward.						
	of air to the ma	oper seal with an ungloved hand. This is done by restricting the sk by holding the palm of your ungloved hand over the inlet ada Hold your breath for at least 10 seconds. The facepiece sho ay collapsed.	ptor				
	If you are usin easily fits into	g a mask-mounted regulator, grasp the regulator and orient it s the facepiece.	o it				
		lator into the facepiece adapter by pushing it inward. Push, click ator into place. Inhale to initiate the air flow.	, or				

	Pull the hood of strap		
	Don your glov		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGN	IATURE:		

SKILL SHEET 10-3	L SHEET 10-3 Donning SCBA: Coat Method		
OBJECTIVE:	NFPA 1001, 4.3.1	FEH Chapter: 1	0
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	PPE including SCBA		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: NOTE: The evaluator will read the following exactly as it is written to the candidate	Student will properly don their SCBA using the coa	t method.	
CRITERIA:	NOTE: Based on material from the Skill Drill Ins		
Critical?		Pas	ss Fail
Don PPE a straps are t	nd place the unit, so the cylinder valve is facing to the sides.	ward you and the	
Pull your h	ood back.		
pressure in indicating t	your cylinder is full. Fully open the main cylinder explosion of the second sec	vate automatically,	
	eft shoulder strap. Lift the unit and swing it over yo th arm through the right shoulder strap.	our shoulder, then	
Adjust the	houlder and waist straps for comfort.		
With unglo of the mask	ved hands pick up your facepiece and set your chin.	n in the chin pocket	
Fit the face	piece to your face and bring the straps or webbing	over your head.	
	traps in the following order: chin straps, temple straps). Make sure to pull the straps straight back, not o		
flow of air and inhalir	a proper seal with an ungloved hand. This is don to the mask by holding the palm of your hand ov g. Hold your breath for at least 10 seconds. Th d stay collapsed.	er the inlet adaptor	
	sing a mask-mounted regulator, grasp the regulaton to the facepiece.	r and orient it so it	
	gulator into the facepiece adapter by pushing it inw gulator into place. Inhale to initiate the air flow.	vard. Push, click, or	
Dull the he	od over the straps and webbing.		

Place the helmet on your head and secure the chin strap.			
Don your gl	oves and report for duty.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

SKILL SHEET 10-4	Doffing	J SCBA			
OBJECTIVE:	NFPA	. 1001, 4.3.1	FEH Chapter: 10		
CANDIDATE NAME/NUMBER			No.:		
TEST DATE/TIME					
EQUIPMENT REQUIRED: [Add local requirements if needed]	• P	PE including SCBA			
EVALUATOR INSTRUCTIONS					
CANDIDATE INSTRUCTIONS:	Studen	t will properly doff and store their SCBA.			
NOTE: The evaluator will read the following exactly as it is written to the candidate					
CRITERIA:	NOTE:	Based on material from the Skill Drill Instructor G	uides		
	[ADDI]	IONAL LINES FOR AHJ TO ADD OTHER MATERIA	L]		
Critical?				Pass	<mark>Fail</mark>
		th gloved hand. Push the release button and pull t ece adaptor.	the		
Stow the r	gulator into	its holder.			
Close the	linder valv	re fully.			
Open the l	pass to rele	ease system pressure. Close the bypass.			
Turn off tl	integrated	PASS device.			
Fully loos your head	n the head l	narness straps and pull the facepiece up and away	/ from		
Release th	waist strap				
Loosen th from your		raps by grabbing the release loop. Pull them out a	and away		
Slip your	ght arm out	of the shoulder strap first, then remove the harne	ess.		
Be sure to	eplace a les	s than full cylinder with a full one.			
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR SIGNATURE:					
STUDENT SIGNATURE:					

SKILL SHEET 10-5	0-5 SCBA—Replacement of Cylinder (one person) For Reentry		entry		
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chapter: 10		
CANDIDATE NAME/NU	JMBER:		No.:		
TEST DATE/TIME					
EQUIPMENT REQUIRE [Add local requiremen needed]		<ul><li>Personal protective equipment</li><li>Self-contained breathing apparatus</li><li>Replacement air cylinder</li></ul>			
EVALUATOR INSTRUC	CTIONS				
CANDIDATE INSTRUC	TIONS:	The student will demonstrate the appropriate ste	eps to repl	ace an a	air
NOTE: The evaluator v following exactly as it to the candidate		cylinder on an SCBA.			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor	Guides		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATER	IAL]		
Critical?				Pass	<mark>Fail</mark>
	Closes cyli	nder and properly bleeds off pressure			
	Doffs SCB	A unit and places it on the ground.			
	Removes,	positions, protects high pressure hose			
	Releases e	empty cylinder and removes from SCBA			
	Checks va	lve opening and "O" ring			
	Checks the	at replacement cylinder is greater than 90% press	ure.		
	Places rep	lacement cylinder into SCBA and secures			
	Connects l leaks	nigh pressure hose, opens cylinder fully and Cheo	ks for		
	Verbalizes within 100	bottle gauge pressure and regulator gauge press psi	ure are		
	NTS:				
[ANY COMMENTS PRO REGARDING WHAT TI STUDENT ACCOMPLIS	HE				
EVALUATOR SIGNATI	URE:				
STUDENT SIGNATURE	E:				

SKILL SHEET 10-6		SCBA—Replacement of Cylinder (two person)	For Reen	try	
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chap	ter: 10	
CANDIDATE NAME/	NUMBER:		No.:		
TEST DATE/TIME					
EQUIPMENT REQUI [Add local requirem needed]		<ul> <li>Personal protective equipment</li> <li>Self-contained breathing apparatus</li> <li>Replacement air cylinder used by AHJ</li> </ul>			
EVALUATOR INSTR	UCTIONS				
CANDIDATE INSTRU NOTE: The evaluate the following exact written to the candi	r will read y as it is	Working as a member of a team, the student will proper steps	demonstra	ite the	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor C	Buides		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIA	AL]		
Critical?				Pass	<b>Fail</b>
	Students pa	rtner turns off cylinder			
	Partner inst	ructs wearer to bleed off pressure			
	Partner disc	connects high pressure hose			
	Partner rele	ases and removes cylinder			
	Partner che	cks valve opening and "O" ring			
	Partner veri	fies that replacement cylinder is greater than 90% p	oressure		
	Partner plac	ces replacement cylinder into SCBA and secures			
	Partner con	nects high pressure hose and opens cylinder fully			
	Partner Che	ecks for leaks.			
	Verbalizes I within 100 p	pottle gauge pressure and regulator gauge pressures	e are		
EVALUATOR COMM	RO OR CON				
REGARDING WHAT STUDENT ACCOMP					
EVALUATOR SIGNA	TURE:			•	
STUDENT SIGNATU	RE:				

SKILL SHEET 1	0-7	Communication Techniques While Wearing SCBA				
OBJECTIVE:		NFPA 1001, 4.2.1 FEH Chapte		er: 10		
CANDIDATE N	AME/NUMBER:		No.:			
TEST DATE/TIN			-			
EQUIPMENT R [Add local requ needed]		<ul><li>PPE including SCBA</li><li>Portable Radio</li></ul>				
EVALUATOR IN	NSTRUCTIONS					
CANDIDATE IN	STRUCTIONS:	Working as a member of a team, the student will demonstrat	te communica	ting via tł	ne	
NOTE: The evaluator will read the following exactly as it is written to the candidate		radio while wearing an SCBA.				
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides				
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIA	AL]			
Critical?				Pass	Fail	
	When keying t	heir radio, many firefighters place it next to their throat.				
	Place the radio	in front of their facepiece near a mask vent.				
	Use an auxilian speech.	ry communications device in their mask that amplifies th	neir			
	Never place th	e speaker microphone over the regulator.				
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED] EVALUATOR SIGNATURE:						
STUDENT SIGNATURE:						

SKILL SHEET 10-8		Control Breathing			
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chapter: 10		
CANDIDATE NAME/	NUMBER:		No.:		
TEST DATE/TIME					
EQUIPMENT REQUI [Add local requiremoneeded]		<ul><li>Personal protective equipment</li><li>Self-contained breathing apparatus</li></ul>			
EVALUATOR INSTR	UCTIONS				
CANDIDATE INSTRUCTIONS: NOTE: The evaluator will read the following exactly as it is written to the candidate		Working as a member of a team, the Candidate will demons breathing techniques.	strate con	trolled	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides			
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?				Pass	<mark>Fail</mark>
	Demonstrat	es an accepted method of managing an SCBA air s	upply		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR SIGNA	TURE:				
STUDENT SIGNATURE:					

SKILL SHEET 10	)-9	Emergency Use of Regulator Bypass			
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chap	ter: 10	
CANDIDATE NA	ME/NUMBER:		No.:		
TEST DATE/TIMI	E				
EQUIPMENT RE [Add local requin needed]		PPE including SCBA			
EVALUATOR INS	STRUCTIONS				
CANDIDATE INS	TRUCTIONS:	Student will demonstrate the emergency use of the regulator l	bypass.		
NOTE: The evalu the following ex written to the ca	actly as it is				
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor G	uides		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIA	L]		
Critical?				Pass	<b>Fail</b>
	Twist the bypa bypassing the	ss valve counterclockwise to supply air directly to your n regulator.	nask,		
		ss valve clockwise to turn off the bypassed air supply, eit as, or if your regulator returns to normal use.	ther		
		cer and exit the IDLH atmosphere immediately. Make sum nent the incident and place the equipment out of service.			
EVALUATOR CO	DMMENTS:				
[ANY COMMENTS PRO OR Con Regarding What the Student Accomplished]					
EVALUATOR SIGNATURE:					
STUDENT SIGN	ATURE:				

SKILL SHEET 1	0-10	Crack or Leak in the Facepiece			
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chapter: 10		
CANDIDATE N/	AME/NUMBER:		No.:		
TEST DATE/TIN	ΛE				
EQUIPMENT RI [Add local requineeded]		PPE including SCBA			
	ISTRUCTIONS				
CANDIDATE INSTRUCTIONS:       Working as a member of a team, the student will demonstrate the procedure with a crack or leak in the face piece.         NOTE: The evaluator will read the following exactly as it is written to the candidate       Working as a member of a team, the student will demonstrate the procedure with a crack or leak in the face piece.			re for de	aling	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?				Pass	Fail
		a minor crack or leak in the facepiece, don't panic. Remark facepiece on. It will continue to provide protection to the puth, and skin.			
	Place your han	d on the facepiece or regulator and press it against your fa	àce.		
	Notify comma	nd and leave the area immediately with another member.			
	Activate PASS	alarm and call for a MAYDAY			
	Control the air	flow using the bypass valve.			
EVALUATOR C [ANY COMMEN CON REGARDI STUDENT ACC	ITS PRO OR NG WHAT THE				
EVALUATOR S	IGNATURE:				
STUDENT SIGN	IATURE:				

SKILL SHEET 1	0-11	No Air Maneuver			
OBJECTIVE:		NFPA 1001, 4.3.1	FEH Chapte	er: 10	
CANDIDATE NA	AME/NUMBER:		No.:		
TEST DATE/TIN	ΛE				
EQUIPMENT RI [Add local requ needed]		PPE including SCBA			
	ISTRUCTIONS				
CANDIDATE IN NOTE: The eva the following e written to the c	luator will read xactly as it is	Working as a member of a team, the student will demonstrate	the maneuv	er.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor G	uides		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIA	<b>.L</b> ]		
Critical?				Pass	<mark>Fail</mark>
	Do not panic.				
	Drop to the flo	or.			
	Announce Ma	yday via the radio.			
	Notify a comm	and.			
	Activate the pe	ersonal alert safety system (PASS) device.			
	Open purge or	emergency bypass valve.			
		o restore your air supply, position your facepiece near th your facepiece on/at the floor to minimize exposure to "c carpeting.			
	Disconnect the	regulator.			
	Cover opening	with Nomex® hood.			
	Exit the building	ng.			
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR S	IGNATURE:				
STUDENT SIGN	IATURE:				

SKILL SHEET 10-12	Using the Universal Rescue Connection			
OBJECTIVE:	NFPA 1001, 4.3.1 FEH 0	hapter: 10		
CANDIDATE NAME/NUMBER:	IDIDATE NAME/NUMBER: No.:			
TEST DATE/TIME				
EQUIPMENT REQUIRED: [Add local requirements if needed]	PPE including two SCBA			
EVALUATOR INSTRUCTIONS				
CANDIDATE INSTRUCTIONS: NOTE: The evaluator will read the following exactly as it is written to the candidate	Student will demonstrate the proper use of the URC.			
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides			
	[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?		Pass	<b>Fail</b>	
Turn the seco valve fully.	ndary air source on, opening the RAK (rescue air kit) cylinder			
back of the S	ubber dust cap from the male inlet fitting on the URC found on t CBA of the firefighter needing air. Be sure that the firefighter's er valve is fully opened.	he		
Remove the r	ubber dust cap from the female fitting on the quick-fill hose.			
Push the fema until it snaps	le fitting of the quick-fill hose onto the male fitting of the URC into place.			
	se to be sure the fitting snapped into place. Filling begins when is snapped onto the URC.	the		
and the SCBA pressure gaug	After approximately 45–60 seconds, pressure between the secondary air source and the SCBA of the firefighter needing air will equalize. Compare the SCBA pressure gauge of the firefighter receiving air to the secondary air source cylinder gauge. If the readings are the same, the pressure is equal.			
	e quick-fill hose after the transfer is complete. Remove the o needed the emergency air outside the hazard area as quickly as	5		
EVALUATOR COMMENTS:				
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]				
EVALUATOR SIGNATURE:				
STUDENT SIGNATURE:				

SKILL SHEET 10-13 SCBA—Daily Check					
OBJECTIVE:		NFPA 1001, 4.5	FEH Chapter: 10		
CANDIDATE NAME/N	IUMBER:		No.:		
TEST DATE/TIME					
EQUIPMENT REQUIR [Add local requireme needed]		<ul><li>Personal protective equipment</li><li>Self Contained Breathing Apparatus</li></ul>			
EVALUATOR INSTRU	ICTIONS				
CANDIDATE INSTRU NOTE: The evaluator the following exactly written to the candid	will read as it is	The Candidate will perform the check of a self-contained breathing apparatus and assure its readiness for use.			
CRITERIA:	CRITERIA: NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]				
Critical?				Pass	<mark>Fail</mark>
	Checks tha	t cylinder is full (or at least 90%)			
		eration of all gauges. Verifies that the difference betweer d regulator gauge does not exceed 100 psi	1		
	Announces turned on.	the low-pressure alarm activates appropriately when pa	ck is		
	Checks all	hose connections			
	Checks cor	ndition of facepiece			
	Checks cor	ndition of harness and straps			
	Checks ope	eration of donning switch and bypass valve while mask i	s on.		
	Checks tha	t unit is clean and sanitized			
	Checks fun Activation)	ction of PASS device. (Lack of movement and Manual			
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR SIGNAT	TURE:				
STUDENT SIGNATUR	RE:				

SKILL SHEET 10-14	Cleaning the SCBA			
OBJECTIVE:	NFPA 1001, 4.5.1 FEH	FEH Chapter: 10		
CANDIDATE NAME/NUMBER:	No.:	No.:		
TEST DATE/TIME				
EQUIPMENT REQUIRED: [Add local requirements if needed]	PPE including SCBA			
EVALUATOR INSTRUCTIONS				
CANDIDATE INSTRUCTIONS:	Student will clean an SCBA.			
NOTE: The evaluator will read the following exactly as it is written to the candidate				
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?		Pass	Fail	
Inspect the unit prior to cleaning.				
Remove the fa	e the facepiece from the regulator and place on the side.			
Remove the cy	cylinder from the SCBA harness.			
Rinse all parts	arts of the unit with clean water to remove any debris. and water solution and scrub the cylinder and harness with a bristle			
Use a soap and brush.				
Rinse the harn	inse the harness and cylinder off and set aside to dry.			
Place the face	Place the facepiece in the solution and allow to soak.         Clean the regulator with the solution; if necessary, use a soft bristle brush. Avoid getting soap inside the regulator.			
Rinse the face	Rinse the facepiece and regulator with clean water and set aside to dry.			
Reassemble ar	nd inspect the unit before placing back in service.			
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]				
EVALUATOR SIGNATURE:				
STUDENT SIGNATURE:				

SKILL SHEET 10-15	Refilling an SCBA Bottle with a Cascade System			
OBJECTIVE:	NFPA 1001, 4.3.1	FEH Chapter: 10		
CANDIDATE NAME/NUMBER:	Ν	No.:		
TEST DATE/TIME				
EQUIPMENT REQUIRED: [Add local requirements if needed]	PPE including SCBA			
EVALUATOR INSTRUCTIONS	NS			
<b>CANDIDATE INSTRUCTIONS:</b> NOTE: The evaluator will read the following exactly as it is written to the candidate	Student will refill an SCBA with a cascade system.			
CRITERIA:	ERIA: NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?			Pass	<mark>Fail</mark>
hydrostatic test	When refilling with a cascade system, first check that the bottle is within its hydrostatic test date and the appropriate fill pressure. If it is damaged or not within its hydrostatic test date, take it out of service and have it tested by a qualified technician.Place the cylinder inside the protective enclosure, attach the fill hose, and open the SCBA cylinder valve.Check that the fill pressure gauge is set to the appropriate pressure.Open the cascade cylinder valve and slowly fill the cylinder. About 300 to 500 psi per minute is appropriate. If you transfer the air too quickly, the air will heat the cylinder, expanding the gas. When the cylinder cools, the gas will contract, and you will have a cylinder that is not full.When the cascade cylinder did not fully fill the SCBA bottle, you may have to open a second cascade cylinder.When the cylinder pressure reaches the preset fill pressure, turn off the cascade fill cylinder and open the protective enclosure.			
Check that the f				
per minute is ap cylinder, expand				
	at the cylinder is full. Close the SCBA's valve and bleed the fill hoseline. nove the bottle and place back into service.			
EVALUATOR COMMENTS:				
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]				
EVALUATOR SIGNATURE:				
STUDENT SIGNATURE:				

SKILL SHEET 1	LL SHEET 17-1 Mounting and Dismounting an Apparatus				
OBJECTIVE:		NFPA 1001, 4.3.2	FEH Chapter: 17		
CANDIDATE NAME/NUMBER:		, ,	No.:		
TEST DATE/TIME					
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul><li>PPE</li><li>Apparatus</li></ul>			
EVALUATOR INSTRUCTIONS					
CANDIDATE INSTRUCTIONS: NOTE: The evaluator will read the following exactly as it is written to the candidate		Student will properly mount and dismount an apparatus.			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides			
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]			
Critical?				Pass	Fail
		prior to mounting the apparatus. Safely mount the apparaplace arms through the SCBA shoulder straps.	atus and		
	Fasten seat belt. Partially tighten the shoulder straps. When the apparatus stops, release seat belt and release the SCBA from the brackets. Carefully exit the apparatus using three points of contact.				
	Attach the waist belt and cinch down				
Adjust shoulde		er straps until they are tight			
Open the main cylinder valve, place mask onto regulato		cylinder valve, place mask onto regulator			
EVALUATOR C	OMMENTS:				
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]					
EVALUATOR SIGNATURE:					
STUDENT SIGNATURE:					

SKILL SHEET 17-1		Mounting and Dismounting an Apparatus		
OBJECTIVE:		NFPA 1001, 4.3.2	FEH Chapter: 17	
CANDIDATE NAME/NUMBER:			No.:	
TEST DATE/TIME				
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul><li>PPE</li><li>Apparatus</li></ul>		
EVALUATOR INSTRUCTIONS				
CANDIDATE INSTRUCTIONS:		Student will properly mount and dismount an apparatus.		
NOTE: The evaluator will read the following exactly as it is written to the candidate				
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides		
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?			Pass	<b>Fail</b>
		and dismounting an apparatus, make sure to use and safety steps.		
		should always have three points of contact while and out of the vehicle.		
EVALUATOR CO	MMENTS:		-	•
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]				
EVALUATOR SIGNATURE:				
STUDENT SIGNATURE:				