

Appendix

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Gear/Equipment Inspection

NAME: _____



Pennsylvania State Fire Academy

Self-Contained Breathing Apparatus Inspection Checklist



SCBA Make and Model	Today's Date
Cylinder DOT-E Number	Cylinder Serial Number
DOT-E	

Instructions:

1. This checklist shall be used for a Open Circuit Self-Contained Breathing Apparatus (SCBA) only
2. This inspection complies with the intent of NFPA 1852, **Selection, Care, and Maintenance of Open Circuit Self Contained Breathing Apparatus, 2013 Edition, Chapter 7, Maintenance**
3. Units that are soiled or contaminated shall be cleaned prior to inspection

Definitions:

“Soiled” - Soil is easily transferred from one surface to another

“Contaminated” - Presence of a visual or odorous foreign substance

4. Place an X in the appropriate box (P)ass or (F)ail

Facepiece					
	P	F		P	F
Overall assembly: free from deterioration, dirt and damage			Lens: free from cracks, crazing, thermal, or other damage		
Headnet and harness anchors: present, functional and undamaged			Exhalation valve: functional and undamaged		
Regulator connection: functional and undamaged			Speaking diaphragm: functional and undamaged		
Rubber Components: free from deformation, wear, damage, and cracks			Lens Frame Retainer: present and correctly installed		

Backplate and Harness Assembly					
	P	F		P	F
Harness and Backframe assemblies: free from cuts, tears and damage			Cylinder Retention System: functional and undamaged		
Fastening assemblies: operate properly			Straps: extend fully		

Cylinder					
	P	F		P	F
Hydrostatic test: current			Threads: serviceable		
Gauge: functional and undamaged			Valve hand wheel: undamaged		
Cylinder: cracks, dents, or damage			Burst disc outlet: clear		
Composite cylinder: cuts, gouges, or damage			Cylinder pressure: full		

Construction (Circle)	Last Hydro Date	Hydro Retest Req.	Hydro Due Date	Service Life(yrs.)	End of Life Date
Steel or Aluminium		5 years		Indefinite	
Hoop wrapped Alum.		3 years		15 Years	
Fiberglass wrapped		3 years		15 Years	
Kevlar wrapped		3 years		15 Years	
Carbon Fiber wrapped		5 years		15 Years	

Hoses					
	P	F		P	F
Free of cuts, abrasion, or damage			Connections tight		
External fittings: functional and undamaged			Coupling nipple seal; present and undamaged		

Pressure Retention Test					
Procedure: Close all valves, open cylinder valve fully then close.				P	F
No audible pressure loss, or visual loss of greater than 100 psi in 10 seconds					

End of Service Time Indicator(ESTI)					
	P	F		P	F
Mount secure and debris free			Fitting: functional and undamaged		
Proper activation pressure					

Regulator Assembly					
	P	F		P	F
Control: functional and undamaged			Pressure relief device: undamaged		
Housing: undamaged					
No unusual noises while operating			Normal and bypass modes functional		

Remote Pressure Gauge / Remote Console					
	P	F		P	F
Undamaged			Remote gauge and cylinder pressure within 5%		

Personal Alert Safety System(PASS)					
	P	F		P	F
Excessive wear or damage			Battery covers secure		
Functions properly			Low battery warning not present		

Other Components					
	P	F		P	F
Heads Up Display(HUD): functional and undamaged			Voice amp serviceable		
Rapid Intervention Connection/Universal Air Connection(RIC/UAC)storable and serviceable					

COMMENTS:

Inspected by: _____ Signature: _____



Pennsylvania State Fire Academy Personal Protective Equipment Inspection Checklist



USER Name	Inspection Date

Instructions:

1. This checklist shall be used for a structural firefighting ensemble only
2. Soiled or contaminated gear shall be cleaned prior to inspection

Definitions:

“Soiled” – Soil easily transfers from one surface to another

“Contamination”- Presence of a visual or odorous foreign substance

3. Universal precautions shall be used if the gear is soiled or contaminated
4. The following inspection elements should not be considered all inclusive. In the event that you find something that requires further inspection, do not hesitate to have it inspected further
5. The inspection should in no way be interpreted as complying with the Advanced Inspection requirements established by NFPA 1851 **Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensemble**, 2014 edition
6. Place an X in the appropriate box (P)ass or (F)ail

Helmet Make:	Model:	S/N:
	P F	
Contamination		Suspension system
Soiling		Damaged or missing reflective trim
Shell Damage: Cracks, crazing, dents, abrasions or thermal damage		Liner Damage: Rips, tears, or thermal damage
Damaged or missing components		Loss of Seam Integrity

Eye Protection	P	F
Damaged or missing components to faceshield or goggle system		

Hood	P	F
Contamination		Rips, tears, cuts or thermal damage
Soiling		
Loss of Face Opening adjustments / shrinkage		Loss of Seam Integrity; Broken or missing stitches

Footwear Make:	Model:	P	F
Contamination		Rips, tears, punctures or thermal damage	
Soiling		Loss of water resistance	
Closure system damage			
Damaged or deformed safety toe, mid-sole, and shank		Loss of Seam Integrity; Broken or missing stitches	

Drag Rescue Device (DRD)	P	F
Contamination		Installed correctly
Soiling		
Cuts, tears, punctures, splitting, or thermal damage		Loss of Seam Integrity; Broken or missing stitches

Coat – Make:		Model:		S/N:	
	P	F		P	F
Contamination			Rips, cuts, tears, or thermal damage		
Soiling			Correctly assembled		
2" Coat to Pants overlap					
Damaged or missing hardware and closure system			Loss of Seam Integrity; Broken or missing stitches		

Pants – Make:		Model:		S/N:	
	P	F		P	F
Contamination			Rips, cuts, tears, or thermal damage		
Soiling			Correctly assembled		
Damaged or missing hardware and closure system			Loss of Seam Integrity; Broken or missing stitches		

Gloves					
	P	F		P	F
Contamination			Rips, cuts, tears, or thermal damage		
Soiling			Inverted liner		
Shrinkage			Loss of elasticity and flexibility		
Loss of Seam Integrity; Broken or missing stitches					

Interface Components(items such as wristlets and collars)					
	P	F		P	F
Contamination			Loss of effectiveness		
Soiling			Physical damage		
Loss of Seam Integrity; Broken or missing stitches					

COMMENTS:

ANY DAMAGE NOT INCLUDED IN THIS CHECKLIST SHALL REQUIRE AN ADVANCED INSPECTION

Inspected by:	Signature:
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