

Campbell County Fire Department Standard Operating Procedure		
Safety	PPE Inspection	201.02

I. PURPOSE:

To establish the guidelines for inspection of Personnel Protective Equipment. Each item of Protective Equipment is described by categories that classify the condition and serviceability. These guidelines shall be used by officers during the annual formal inspection and by all members to inspect their own protective equipment.

II. SCOPE:

This procedure applies to all CCFD personnel and all Personal Protective Gear issued by CCFD.

III. PROCEDURE:

1. It is the responsibility of each member to inspect his personnel protective equipment to ensure its serviceability. It is suggested that this inspection be done at the start of each shift or work session.
2. All Protective Equipment found to be in need of replacement should be removed from service without delay.
3. Helmet:
 - 3.1. OK: No apparent defects, retro reflective materials clean and well attached, eye protection clean and easily seen through, associated hardware in serviceable condition. Earflaps relatively clean, in good repair. Helmet ridge free of deep gouges.
 - 3.2. C: (Needs Cleaning). Applies to retroreflective materials, eye protection, and ear flaps. Surface dirt, grime, oils, and penetrated stains (earflaps) may hinder protective qualities.
 - 3.3. R: (Needs Repair). Repairable parts include hardware, chin strap, eye protection (replace lens), and retroreflective material (new stripes). Retroreflective materials that are severely melted, and/or stained past cleaning ability should be replaced. Lenses that are scratched, stained, or deformed such that vision through the lenses is hampered shall be replaced. Chin straps that are melted or cut should be replaced.
 - 3.4. X: (Needs Replaced). Applies to the helmet structure and suspension system. Deep gouges on the helmet ridge are cause for replacement. To test the integrity of any questionable areas, perform a pen test. The pen test is performed by simply pushing a pen into the deepest part of a groove or surface gouge. If the pen penetrates the Polycarbonate shell, the entire helmet shall be replaced. Cuts, melting, or other damage to the interior suspension system are cause for replacement.

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4. Turnout Coat:

- 4.1. OK: No apparent cuts, tears, or degradation that penetrate the shell or vapor barrier. Retroreflective materials intact. All hardware operates as designed. Sleeve cuffs fit snugly around wrist. Coat liners are attached to shell as designed. Materials meet NFPA 1971 criteria.
- 4.2. C: (Needs Cleaning). Surface dirt, grime, and stains have effected the qualities of the retroreflective materials. Soot buildup rubs off easily. Velcro closures have lost grip friction due to lint/dirt buildup (clean w/ light strokes from a wire brush).
- 4.3. R: (Needs Repair). Tears in the shell away from seams. Retroreflective material is loose or torn. Snaps missing. Velcro closures torn, loose, worn down, or otherwise dysfunctional. Worn material that exposes the vapor barrier. Pockets that are torn or cut.
- 4.4. X: (Needs Replaced). Coat does not conform to NFPA 1971. Cuts and tears penetrate the vapor barrier. D-Rings, zippers, or other fasteners missing or broken and not repairable. Tears at the seam that has destroyed the shell fabric. Integrity of shell/liner is lost.

5. Turnout Pants/Suspenders:

- 5.1. OK: Same as turnout coat. Suspenders are attached as designed. Suspenders have remaining elasticity. Cuff is not worn/torn such that liner/shell connection is lost.
- 5.2. C: (Needs Cleaning). Same as Turnout coat.
- 5.3. R: (Needs Repair). Same as Turnout coat. Suspenders have no elasticity (suspender gets replaced). Suspender connection is damaged, torn, or worn.
- 5.4. X: (Needs Replacement). Same as Turnout coat.

6. Turnout Boots:

- 6.1. OK: Boots have no apparent tears, cuts, or wears that penetrate the shell. Water repellency appears intact. Felt lining is intact with no reported blistering of user. Sole has traction qualities.
- 6.2. C: (Needs Cleaning). Surface dirt, grime, soot, and oil build up that may effect traction.
- 6.3. R: (Needs Repair). Pull-up straps are torn from boot but still in place.

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6.4. X: (Needs Replaced). Cuts, holes, wear that penetrates shell such that water repellency is in question. Felt liner has deteriorated such that shell material rubs against wearer. Toe is crushed or deformed.

7. Leather Gloves:

7.1. OK: Gloves appear to be in serviceable condition with no penetrating cuts, tears, or wear. Cuff has elasticity to help keep out debris. Liners are attached to shell.

7.2. C: (Needs cleaning). Surface dirt, grime, soot, and oil build up that may affect ability to grab and hold items.

7.3. R: (Needs repair). No repairable items on gloves.

7.4. X: (Needs Replacement). Cuts, wear, tears that penetrate shell. Wear and loss of elasticity at cuff. Total separation of liner from shell.

8. Protective Hood:

8.1. OK: No cuts, tears, or wear that penetrate the fabric in areas around face, ears, or neck. Not stained such that protective qualities may be questioned. Face opening will fit snug around SCBA mask.

8.2. C: (Needs cleaning). Surface dirt, grime, soot, and oil build up that may effect protective qualities. Elongation of face opening that may be restored through washing.

8.3. R: (Needs Repair). Cuts and tears away from face opening seam.

8.4. X: (Needs Replacement). Wear that penetrates material. Face opening cannot be restored to a snug fit around SCBA mask. Tears of the face opening seam.

9. SCBA Mask/Facepiece:

9.1. Mask:

9.1.1. OK: No visible defects. Lens is clean and scratches do not substantially obstruct vision, no deformity or crazing of lens material. The mask body is free from soot and dirt and not cracked. All other hardware is in good working condition, clamps and screws are tight and the buckles and other metal parts are clean and function easily, speech diaphragm enunciates properly. Head nets and straps are not torn.

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- 9.1.2. C: (Needs Cleaning). Applies to entire mask both inside and out and all components. Clean condition requires mask to be free from dirt, grime, oils and products of combustion.
- 9.1.3. R: (Needs Repair). Repairable items include: Speech diaphragm that is deformed or enunciates improperly shall be replaced. Lenses that are excessively scratched, crazed, stained beyond cleaning, or deformed due to heat shall be replaced. Head nets and straps that are torn or have lost their required elasticity.
- 9.1.4. X: (Needs Replaced). Applies to the neoprene mask structure. Cracks, excessive wear that causes mask to lose shape and/or seal and melt spots are cause for replacement.

9.2. Facepiece:

- 9.2.1. OK: No visible defects, facepiece is clean and free from cracks in any component of the facepiece.
- 9.2.2. C: (Needs Cleaning). Applies to entire facepiece and all components, must be free from dirt, grime, oils, and products of combustion.
- 9.2.3. R: (Needs Repair). This procedure applies to SCBA Techs only.
- 9.2.4. X: (Needs Replaced).). This procedure applies to SCBA Techs only.

NOTE: IF IN DOUBT ABOUT ANY REPAIR OR REPLACED PART OF THE SCBA, CONTACT AN SCBA TECH FOR ASSISTANCE.

10. Wildland Equipment:

- 10.1. Wild land equipment shall follow the same guidelines as listed above. The company officer should be made aware of any excessive wear or defects that require the equipment to be taken out of service.

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Revision Date:

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