

# INSPECTION

This guide is a summary of the primary requirements in NFPA 1851.



## ROUTINE INSPECTION

Each individual member must conduct a routine inspection of their PPE when received and after each use. Routine inspection procedures include examination of PPE elements for:

### All elements

- Soiling
- Contamination
- Physical damage
- Loss of seam integrity; broken/missing stitches

### Garments

- Damaged or missing trim
- Damaged closures and hardware
- Correct assembly of shell, liner, and drag rescue device (DRD)

### Hoods

- Loss of elasticity in face opening

### Helmets

- Shell damage
- Damaged or missing components including trim

### Gloves

- Shrinkage
- Liner inversion
- Loss of flexibility

### Footwear

- Loss of water resistance
- Exposed/damaged parts; nonfunctional closures
- DRD
- Proper installation

## COMPLETE LINER INSPECTION

Garments that are 3 years or older must be subjected to a complete liner inspection by the same types of organizations qualified for advanced inspection. Complete liner inspection applies a full examination of the liner interior and hydrostatic testing of the moisture barrier.

## ADVANCED INSPECTION

Advanced inspections of PPE and ensemble elements are to be conducted by the manufacturer, an organization trained by the manufacturer, a verified organization, or a verified ISP (independent service provider). Advanced inspections are conducted at least at issue and every 12 months or whenever routine inspections indicate that a problem may exist.

### All elements

- Soiling
- Contamination
- Physical or thermal damage
- Loss of seam integrity; broken/missing stitches
- Label integrity and legibility

### Garments

- Moisture barrier and seam sealing integrity
- Fit and coat/pant overlap
- Loss of strength due to UV or chemical exposure
- Loss or shifting of thermal liner material
- Wristlet elasticity and functionality
- Reflective trim and Velcro integrity, attachment, and function
- Liner attachment systems
- Closure system, including hook and loop closure tape
- Correct installation of DRD

### Hoods

- Loss of material elasticity and stretching out of shape
- Loss of face-opening adjustment

### Helmets

- Suspension and retention systems functionality
- Damage to impact-dissipating components
- Damaged or missing components, including trim
- Loss of faceshield/goggle system functionality

### Gloves

- Shrinkage
- Liner inversion
- Loss of flexibility
- Loss of shape and elasticity in wristlets
- Loss of water resistance

### Footwear

- Loss of water resistance
- Closure system component damage and function
- Excessive tread wear
- Condition of linings for tears, excessive wear, and separation from outer layer