

Footwear Wear Test Evaluation

Participant Data for Evaluation

REFERENCE DOCUMENT

NFPA 1851

Chapter 5 Selection; Annex A.5.1

Prior to starting the selection process of structural firefighting ensembles and ensemble elements, a risk assessment should be performed. A risk assessment should consider and include, but not be limited to, the following components:

1. Types of duties performed
2. Frequency of use of ensemble elements
3. Organization's experience
4. Incident operations
5. Geographic location and climate
6. Specific physical area of operation
7. Likelihood of or response to CBRN terrorism incident
8. Hazard/Risk identification
9. Hazard/Risk evaluation
10. Establishment of priorities of department

Based on this risk assessment, the organization should compile and evaluate information on the comparative strengths and weaknesses of the elements under consideration and that they interface properly with other personal protective items being used. When a field evaluation is being conducted, the organization should establish criteria to ensure a systematic method of comparing products in a manner related to their intended use. Assess their performance relative to the organization's expectations.

The PPE committee should consist of the department Safety Officer and interested individuals representing a cross section from both labor and management who have several years of experience in firefighting activities.

The purpose of the evaluation is to improve the organization's criteria over existing specifications. To accomplish this, five areas are identified as quantifiable parameters. These are: Technical Performance, Preparation, Fit and Function, Performance, and In Service.

Please include as many comments as possible referencing a statement from above or any other observations of your crew.

WEAR TEST EVALUATION DOCUMENTATION FOOTWEAR

| | | | |
|--|--|-----------------------------|--|
| Department Name: | | | |
| Evaluator: | | | |
| Form Completed By: | | | |
| Evaluation Start Date: | | Evaluation Completion Date: | |
| Application: <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> PROXIMITY | | | |
| Manufacturer: | | | |
| Manufacturer Model: | | | |
| Manufacturer Identification Number: | | | |
| Manufacture Date: | | | |
| Issue Date: | | | |

SAFETY INSPECTION

| | | |
|------------|------|------|
| RATING | PASS | FAIL |
| Proper Fit | | |

FOOTWEAR BASIC FUNCTIONALITY

| RATING | Best | Good | Acceptable | Poor | Unacceptable |
|---|------|------|------------|------|--------------|
| SCORE | 0 | 1 | 2 | 3 | 4 |
| | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rate footwear interface with trouser. | | | | | |
| Rate ease of donning. | | | | | |
| Rate ease of doffing. | | | | | |
| Rate footwear stability during a 25 foot run. | | | | | |
| Rate footwear comfort after 20 minutes. | | | | | |

WEAR TEST EVALUATION DOCUMENTATION

FOOTWEAR IN SERVICE FUNCTIONALITY

| RATING | Best | Good | Acceptable | Poor | Unacceptable |
|---|------|------|------------|------|--------------|
| SCORE | 0 | 1 | 2 | 3 | 4 |
| | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rate the ability of the footwear to provide solid footing while working. | | | | | |
| Rate the flexibility and ease of movement of the footwear throughout the drill. May need to account for a break-in period. | | | | | |
| Rate the effectiveness of the arch support throughout the drill. The ability of the shank to provide foot support on and off ladders. | | | | | |
| Rate the effectiveness of the heel support throughout the drill. The ability of the footwear to stabilize the foot through the action of the heel counter. | | | | | |
| Rate the effectiveness of the footwear to limit heel slippage. A situation where the heel of the foot moves up and down in the boot during movement. | | | | | |
| Rate the effectiveness of the footwear to limit foot slippage throughout the drill. A situation where the foot slips back and forth in the boot during movement. | | | | | |
| Rate the effectiveness of the shin guard throughout the drill. | | | | | |
| Rate the comfort of the footwear throughout the drill. | | | | | |
| Rate the comfort of the boot shaft. | | | | | |
| Rate the comfort of the toe-box area. | | | | | |
| Rate the comfort of the heel area. | | | | | |
| Rate the interface of the trouser/footwear. Do the boots allow for the trouser to move up and down without restriction? Do the boots adversely affect the performance of the trouser. | | | | | |