

INCH-POUND

A-A-59962

January 29, 2015

## COMMERCIAL ITEM DESCRIPTION

## PROXIMITY FIREFIGHTING PROTECTIVE ENSEMBLE

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description covers a Proximity Fire Fighting Protective Ensemble used by U.S. Navy firefighters.

2. CLASSIFICATION. N/A

3. SALIENT CHARACTERISTICS.

3.1 Design and construction. The proximity protective ensemble shall be a two-piece ensemble with a snap-in removable liner system. The two pieces shall be a complete coat and trouser, two sets of removable patch systems (elbow, knee and seat) and a pair of padded suspenders. The coat shall contain two cargo pockets on the left breast one being for a radio and the other for a flashlight (see [figure 1](#)). There shall also be two lower front cargo or hand warmer pockets, one on each side of the coat. The trouser shall have a banded leg design with attached fly assembly. The banded leg shall run completely from one cuff around to the second leg cuff. The trouser shall have two cargo pockets one on side of each leg above the knee patch system (see [figure 2](#)). The proximity protective ensemble and all layers of the proximity protective ensemble shall be individually graded per size. The finished proximity protective ensemble and all its sub-components shall be in accordance with the latest version of National Fire Protection Association (NFPA) 1971. The proximity protective ensemble shall also meet the additional requirements as specified herein for use in a shipboard environment. The proximity protective ensemble shall have the following features:

a. Front closure – The front closure of the coat element shall have a zipper and hook and pile flap closure in accordance with NFPA 1971.

b. Radio cargo pocket and flashlight pocket with flap closures – There shall be two cargo pockets with flap closures located on the left side of the chest adjacent to each other (wearer's perspective) for a one for a radio and the other for a flashlight. See [figure 1](#) for the pocket locations. The radio cargo pocket shall have grommets and shall have internal dimensions of at least 3.5 inches wide by 9.0 inches long by 2 inches deep. The flashlight cargo pocket shall have grommets and shall have internal dimensions of at least 2.5 inches wide by 7.0 inches long by 2.0 inches deep. The radio cargo pocket shall be placed as close to the chest closure flap as possible. The flap closure shall be secured to the pocket by using hook and pile closure tab extending the width of the pocket.

c. Coat front cargo or hand warmer pockets – There shall be a cargo or hand warmer pocket with flap closure located on each side of the coat on each lower front quadrant of the coat. The pockets shall have grommets at the bottom of the pocket to allow for drainage. The flap closure shall be secured to the pocket by using a hook and pile closure tab.

Comments, suggestions, or questions on this document should be addressed to the Naval Air Systems Command, (Commander, Naval Air Warfare Center Aircraft Division, Code 412000B120-3, Highway 547, Joint Base MDL, NJ 08733-5100) or emailed to [michael.sikora@navy.mil](mailto:michael.sikora@navy.mil). Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.

d. Removable patch systems – The ensemble shall have removable and replaceable patches for the elbows, knees and seat. The patches shall be made from the same radiant reflective material as the outershell. The knee patches shall be placed inside of a frame system. The elbow and seat patch systems may or may not be designed with a frame system. Each ensemble shall include two complete patch systems. See [figure3](#) for seat patch system.

e. Trouser cargo pockets with flap closures – There shall be a cargo pocket with flap closure located on side of each hip below the waist and above the knee area. The cargo pocket shall have grommets at the bottom of the pocket to allow for drainage. The internal dimensions of each pocket shall be at least 8 inches wide by 8 inches long by 2 inches deep. The flap closure shall be secured to the pocket by using a hook and pile closure tab.

f. Reinforcement material – Both the sleeve and leg cuffs shall have reinforcement materials placed around the circumference of them in accordance with NFPA 1971. The reinforcement material used for the sleeve and leg cuffs shall be in accordance with 3.2.2.

g. Trouser suspenders – The trouser suspenders shall be attached to the trouser by means of a tab system. The posts, snaps or hooks of the suspenders shall not be directly connected to the waistband of the trouser. The tabs may be made from outershell material or webbing. If material is used there shall be no raw edges exposed. The section of the suspenders that comes in direct contact with the wear shall be padded.

h. Sizing – sizing shall conform to NFPA 1971.

i. Stitches and seams – The sewing thread shall conform either of these commercial item descriptions A-A-55195 or A-A-55220. In stitching the outershell a ball point needle shall be used with a stitch density of 6-8 stitches per inch. The major A seams of the outershell shall be either an Ssa-1, Ssa-2, Ssa-3 with 301 lockstitch. Top stitching of the outershell of major A seams and pocket corners / edges is not allowed. The use of a folder in sewing the outershell material is not allowed with the exception that an LSc-2 seam may be used on the outer sleeve/shoulder closing seam.

3.1.1 Materials and components. All fabrics and batting used in the construction of the outer shell, liner, and wristlets shall be manufactured from inherently flame-resistant fibers. All other materials used in the construction of the garment, such as zipper tapes, collar linings, elastic, hook and pile fasteners, padding, reinforcements, interfacing, bindings, hanger loops, emblems, labels, patches, and trim, shall meet the requirements of NFPA 1971.

3.1.2 Outershell material. The outershell material shall be a knit structure; The knit may be laminated with a radiant reflective surface and must meet the requirements of NFPA 1971.

## 3.2 Performance requirements.

### 3.2.1 Outer shell.

3.2.1.1 Weight. The outer shell shall have a maximum weight of 8.5 ounces per square yard (oz/sq yd) when tested in accordance with ASTM D3776.

3.2.1.2 Tear strength. The outer shell shall have 9lb strength in the wales direction and a 9lb strength in the course direction when tested in accordance with ASTM D1424.

3.2.2 Reinforcement material. The material shall contain a high solids polymer face coating for protection against abrasion. The maximum weight shall be 20.0 ounces per square yard when tested in accordance with ASTM D3776. The maximum thermal shrinkage in either direction shall be 1.0 percent when tested in accordance with NFPA 1971. The maximum vertical flammability shall be no more than 1 second after flame and a maximum char length of 1.0 inch when tested in accordance with ASTM D6413/D6413M.

4. **REGULATORY REQUIREMENTS**. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. **PRODUCT CONFORMANCE PROVISIONS**.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance.

6. **PACKAGING**. Preservation, packing, and marking shall be as specified in the contract or order.

7. **NOTES**.

7.1 Source of documents.

7.1.1 ASTM. ASTM standards are available from ASTM International at [www.astm.org](http://www.astm.org).

7.1.2 NFPA. National Fire Protection Association (NFPA) standards are available from NFPA at [www.nfpa.org](http://www.nfpa.org).

7.1.3 FAR. The Federal Acquisition Regulation may be obtained from the Superintendent of Documents, U.S. Government Printing Office at [www.acquisition.gov/far](http://www.acquisition.gov/far).

7.2 Figures. The photos contained in this CID are only for reference purposes.

## Aluminized Proximity Ensemble



FIGURE 1. Proximity coat.





FIGURE 2. Proximity trouser knee patch.



FIGURE 3. Proximity trouser seat patch.

Preparing activity:  
Navy- AS

Project 4210-2015-002

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