

UNITED STATES DEPARTMENT OF THE NAVY
Assistant Secretary of the Navy (I&E)
Director for Safety & Survivability (OASN) (I&E)
NAVSEA
Non-Development Item Program
QUALITY REQUIREMENT
JUSTIFICATION & APPROVAL : # 99-011



DEPARTMENT OF THE NAVY
NAVAL SUPPLY SYSTEMS COMMAND
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TELEPHONE NUMBER
COMMERCIAL
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IN REPLY REFER TO:

4124
Ser21B2/9034
99-16 8 Jan
99

From.- Commander, Naval Supply Systems Command

Subj: QUALIFICATION REQUIREMENTS FOR NON-DEVELOPMENTAL ITEMS TO
IMPROVE SAFETY AND SURVIVABILITY

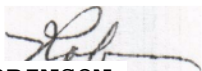
Ref: (a) NAVSUP Policy Letter 88-42
(b) NAVSUP Policy Letter 99-13

Encl: (1) Qualification Requirement (QR) No. 99-011 Portable
Fire Fighting Foam Supply Vest

(5) List of Safety and Survivability NDIs with QRs in
effect as of 05 Jan 99

1. Reference (a) notified NAVSUP field activities of the establishment of qualification requirements for safety and survivability non-developmental items (NDIs). Enclosures (1) through (4) provide the latest additions to the list of qualified NDIs.

2. Enclosure (5) supersedes reference (b) as the current listing of all NDI QRs now in effect.


EVA M. ROBINSON
By direction

JUSTIFICATION AND APPROVAL FOR ESTABLISHMENT
OF A QUALIFICATION REQUIREMENT AND
DETERMINATION REGARDING SPECIFICATION OF
STANDARDS FOR QUALIFICATION

1. Nature and/or Description of Action Being Approved

The Office of the Assistant Secretary of the Navy, Installations and Environment, Director for Safety & Survivability (OASN (I&E) DIR (S&S)) has certified commercial materials demonstrated to meet the qualification requirements for a portable foam supply vest that allows rapid deployment of fire fighting foam when used by a member of the initial response fire fighting team. This device stores and dispenses an initial supply of foam concentrate, is designed to allow "hands-free" transportation of fire suppressants to the fire scenes, and improves fire response capabilities. Use of this system will provide increased margins of personnel safety and survivability. In accordance with "Justification for Establishment of Qualification Requirements for Operational Safety Items" dated 7 April 1988, this action establishes herein the qualification requirements and includes a determination that it is unreasonable to specify, at this time, the standards for qualification of the above portable fire fighting foam supply vest.

2. Description of Supplies/Services

- a. Brief description (nomenclature and part number) of the item(s) qualifying for use:

PFA-95 Portable Foam Applicator Jacket

- b.

Manufacturer/Supplier:
IMSSCO, Inc.
2040 Harbor Island Drive, Suite
#201 San Diego, CA 92101 (619)260-
0758

- c. Brief description of the end use of the item:

The portable foam supply vest will be used by Navy/Marine Corps fire fighters, ashore and afloat, to quickly supply fire fighting foam during initial fire fighting response. The

end use for shipboard is for rapid response by Rescue and assistance Teams.

Enclosure (1)

3. Authority for Establishing

Qualification Requirement FAR 9.2

4. Necessity for Qualification Prior to Award

Current fire fighting initial response typically consists of a rapid response team that proceeds directly to the scene of a fire and attempts to extinguish or contain a fire before it can spread. Fire hoses are immediately available at the fire scene, but setting up and producing fire fighting foam, with current equipment, is bulky and time consuming for the initial response team. Oil fires require foam to control their spread, but most fires are better fought with fire fighting foam than with plain water. A portable device that stores an initial quantity of fire fighting foam concentrate, allows balanced, " hands-free" transportation to a fire scene, and is easily attached to a standard Navy fire hose to produce fire fighting foam is required. The IMSSCO, Inc., PFA-95 Portable Foam Applicator Jacket is in use by fire departments in major cities within the U.S. and abroad, meeting all applicable commercial standards.

An operational assessment of the qualified IMSSCO, Inc., PFA-95 Portable Foam Applicator Jacket was conducted by fire fighters on USS John C. Stennis. USS Dwight D. Eisenhower, and Fleet Training Group, Norfolk, VA. The PFA-95 Portable Foam Applicator Jacket was found to be easily incorporated aboard ships, allowed quick donning and transportation of an initial supply of fire fighting foam concentrate, and provided exceptional ease, stability, and safety when dispensing fire fighting foam.

The IMSSCO, Inc., PFA-95 Portable Foam Applicator Jacket meets the following qualification requirements:

quickly attaches to a standard 1 -1/2 inch Navy fire fighting hose and produces 95 gallons per minute of mixed foam at 125 pounds per square inch (gage)(PSIG) inlet pressure,

provides an effective range of 100 feet at 125 PSIG inlet pressure,

stores and allows easy transportation for 6 gallons of fire fighting foam concentrate,

is designed for use with standard self-contained

breathing apparatus (SCBA),

allows "hands-free" transport of fire fighting foam concentrate,

allows operator controlled switching between straight water or foam concentrate to improve fire fighting agent control (percent of foam) and expanded longevity of foam supply,

is easily incorporated into shipboard fire fighting and damage control procedures,

is easily refilled from standard Navy 5 gallon foam concentrate containers with no special tools,

provides a fire resistant (Aramid) jacket for improved safety of initial response team member,

is capable of operation while wearing wet fire

fighter's gloves, requires minimal visual

maintenance procedures, is constructed of

lightweight, durable materials, and poses no

safety risks to personnel when in use.

Qualification of the IMSSCO, Inc., PFA-95 Portable Foam Applicator Jacket is required because the Navy has no device to assist in the rapid deployment of fire fighting foam capabilities for the initial response team. The PFA-95 Portable Foam Applicator Jacket allows one person to transport an initial supply of foam concentrate to the scene of a fire, while keeping both hands free for climbing ladders or traversing hazards, and quickly produce fire fighting foam to extinguish or contain the spread of fire. Use of this system will result in improved initial response capabilities and an increased margin of safety for personnel when fighting fires. Delay of issuing this qualification requirement will result in continued unsafe conditions during initial fire fighting operations.

5. Certification

The portable foam supply vest provided by the supplier listed above, is a commercially available Non-Development Item (NDI) which meets Navy qualification requirements and is certified and approved for immediate procurement by all commands having discretionary funds. Other qualified sources are continuing to be sought.

