



NOTICE

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ANNEX A STATEMENT OF WORK



**NAVAL BOARDING PARTY
SOFT BODY ARMOUR**

OPI : DSSPM
BPR: DAPES



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STATEMENT OF WORK

1.0 SCOPE

1.1 Purpose

1.1.1 The purpose of this Statement of Work (SOW) is to describe the requirements and work effort required from the Contractor by the Department of National Defence (DND) for the supply of items to meet the requirements for the acquisition and support of the Naval Boarding Party Soft Body Armour Vest (SBA).

1.2 Background

1.2.1 Naval Boarding Parties within the Canadian Armed Forces operate in functions for which there is a threat of hand gun fire. Currently there is insufficient stock of soft body armour to maintain fleet readiness and in-service vests do not have the pocket for hard armour plates.

1.3 List of Acronyms and Abbreviations

Abbreviation	Description
DND	Department of National Defence
GFE	Government Furnished Equipment
NIJ	National Institute of Justice
SBA	Soft Body Armour – consists of front and rear outer carrier and front and rear soft ballistic inserts inserted into carriers
SOW	Statement of Work

2.0 APPLICABLE DOCUMENTS

2.1 References

2.1.1 The following references are provided with the Request for Proposal. Where mentioned, the following Standards must be used for the preparation of deliverables to the extent specified in this SOW:

2.1.1.1 DND Patterns:

REFERENCE	PROMULGATION	REFERENCE TITLE
BVNBPM 15	March 2018	Ballistic Vest Naval Boarding Party, Male

2.1.1.2 Other Standards and Publications

REFERENCE	PROMULGATION	REFERENCE TITLE
A-A-55126	21 December 2016	Commercial Item Description Fastener Tapes, Hook and Loop, Synthetic
A-A-59826	5 May 2016	Commercial Item Description Thread, Nylon
CAN/CGSB-54.1-2010	September 2010	Stiches and Seams Part 1: Textiles – Stitch Types – Classification and Terminology
CAN/CGSB-86.1	1 Dec 2003	Care Labelling of Textiles
DSSPM 2-2-80-223	15 Dec 2014	SPECIFICATION FOR CLOTH, NYLON, WATER RESISTANT, 92 g/m ²
MIL-DTL-32439	19 Feb 2013	Detail Specification Cloth, Duck, Textured Nylon
NIJ Standard 0101.06	July 2008	Ballistic Resistance of Body Armor

2.2 Order of Precedence

2.2.1 In the event of a conflict between the content in this SOW and the referenced documents, the content of this SOW takes precedence.

3.0 GENERAL REQUIREMENTS

3.1 Scope of Work

3.1.1 The Contractor must supply the Naval Boarding Party Soft Body Armour Vests that meet all the requirements identified within this SOW.

3.2 Tasks

3.2.1 The Contractor must provide complete Soft Body Armour vests consisting of front and rear carriers with soft ballistic panels manufactured in accordance with requirements stated below.

3.2.2 SBA Size Requirements

- a. The Contractor must provide complete SBA vests in five (5) sizes in accordance with DND pattern BVNBPM 15 and Appendix 1;
- b. The Contractor must provide male custom sizes as requested, using a contractor supplied size sheet to capture measurements;
- c. The Contractor must provide female custom sizes as requested, using a contractor supplied size sheet to capture measurements.

3.2.3 Carrier Requirements - The Contractor must manufacture front and rear carriers in accordance with the requirements below.

3.2.3.1 Carrier Materials

- a. The carriers must be made of 500 denier coated nylon made to MIL-DTL-32439, Type III, Class 4, black in colour;
- b. The carrier hook and loop fasteners must be in accordance with A-A-55126 Type II, Class 1, black in colour;
- c. The carrier thread must be bonded nylon in accordance with A-A-59826, Type II, Class A, Tex 70, black in colour.

3.2.3.2 Carrier Construction

- a. The Contractor must cut the carrier per the DND pattern BVNBPM 15. Patterns include seam allowance but do not include make-up allowance;
- b. The Contractor must be responsible for any changes which may be required for make-up allowance to suit the production methods, but the design, grade or requirements specified herein must not be changed;
- c. The carriers must have a 10"x 12" plate pocket on the front and rear of carrier per pattern;
- d. The carrier plate pockets must be 100% verified for fit. At contract award the DND Technical Authority will provide GFE to perform this inspection (NSN 8470-21-921-3264);
- e. The carrier pieces must be cut in the direction of the warp as shown on the pattern drawings;
- f. The carrier pieces for each vest must be cut from the same piece of shell material;
- g. The carrier seams must be a minimum of 3/8-inch to a maximum of 3/4-inch wide;
- h. The carrier stitches must be lockstitch type 301 in accordance with CAN/CGSB-54.1-2010;
- i. The carrier must have 8 to 10 stitches per inch in all seams;
- j. The carrier bartacks must be 3/8-inch long with not less than 15 cover stitches;

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- k. The carrier exposed raw edges must be serged with not less than 10 stitches per inch;
 - l. The carriers must not have any company markings or logos on the outside of carrier.

3.2.4 Ballistic Panel Requirements - The Contractor must manufacture front and rear ballistic panels in accordance with the requirements below.

- a. The ballistic panels must be third party tested to National Institute of Justice 0101.06 Level IIIA;
- b. The ballistic panels must be comprised of woven aramid, high performance polyethylene fibre or a combination of either;
- c. The front and rear ballistic panels must each have a maximum aerial density of 1.2 lb per square inch or less;
- d. The front and rear ballistic panels must each have a maximum thickness of 0.28 inches;
- e. The ballistic panels must have quilting or tacking to hold the woven panels together and prevent material shifting;
- f. The ballistic panels must be of uniform size, consistency and construction and layer count throughout;
- g. The ballistic panels must be enclosed in a sonic or heat sealed rip-stop 70 denier nylon pouch per DSSPM 2-2-80-223 Type 1;
- h. The insert pouch must have a means to secure it to the inside of the outer shell. A system such as hook and loop fasteners is considered acceptable.

3.2.5 Labelling

3.2.5.1 Carrier

- a. The front and rear carriers must have a white label with black font indicating the following information, in English and French:
 - i. Contract number;
 - ii. Nomenclature;
 - iii. NATO Stock Number of the complete assembly by size (per appendix 1);
 - iv. Vest size;
 - v. Washing symbols (per 3.2.5.2).
- b. Labels must be printed in indelible (permanent) black ink using a font size of a minimum of 4.0 mm.

3.2.5.2 Care symbols

The carrier labels must show the following care symbols, in accordance with CAN/CGSB-86.1:

- a. Washing Symbols – Symbol 10;
- b. Bleaching Symbols – Symbol 3;
- c. Drying Symbols – Symbol 3;
- d. Ironing/Pressing Symbols – Symbol 5;
- e. Dry Cleaning Symbols – Symbol 3.

3.2.5.3 Ballistic Panels

The front and rear ballistic panels must be labeled per the requirements of NIJ0101.06.

3.2.6 Pre-production Sample

3.2.6.1 The Contractor must provide at the pre-production meeting the following:

- a. SBA vest size medium, manufactured in accordance with this SOW;
- b. Draft user manual in English.

3.2.7 Integrated Logistic Support

3.2.7.1 User Manual

The Contractor must provide a hard copy User Manual in both English and French with each vest, which identifies at a minimum:

- a. Donning and doffing instruction;
- b. Removal and insertion of ballistic panel instructions;
- c. Carrier washing instructions;
- d. Ballistic insert cleaning instructions;
- e. Size chart and information on fit and adjustability of sizing;
- f. List of NSNs by size.

3.2.7.2 Warranty

The Contractor must provide a one year warranty on workmanship and five (5) year warranty on ballistic fabric performance. Warranty period to begin at point of delivery.

3.2.7.3 Test Report

- a. The Contractor must provide a third party test report for each lot of ballistic material used showing lot compliance to NIJ 0101.06 Level IIIA test requirements.
- b. The Contractor must provide a third party test report for each lot of carrier fabric showing lot compliance to MIL-DTL-32439 Type III, Class 4.

3.2.7.4 Codification

- a. The Contractor must provide within 10 days of contract award, a list on company letterhead of all Contractor part numbers for each size including a part number for custom size male and custom size female, to aid in the cataloguing process.
- b. Canada will provide the NATO/National Stock Numbers (NSNs), prior to the first delivery.

3.2.7.5 Design Change Notice

The Contractor must provide advance notice to DND of at least 6 months if a design change or obsolescence of a DND procured item is to occur.

3.2.8 Meetings

3.2.8.1 DND will hold a Contract Award meeting within 10 calendar days of contract award date.

3.2.8.2 The meeting will be held at a DND facility in the National Capital Region or by conference call.

3.2.8.3 The Contractor must pay their own travel expenses.

3.2.8.4 The Contractor must hold a pre-production readiness meeting at the Contractor's location.

3.2.8.5 The Contractor must capture minutes of all meetings in Contractor's format.

3.2.8.6 Minutes must be provided to TA for review and approval within 15 calendar days of the meeting.

3.3 Support provided by Canada

3.3.1 Canada will provide hard armour verification guides as GFE, for use in performing 100% inspection of plate pockets.

4.0 ACCEPTANCE PROCESS AND CRITERIA

4.1 General

4.1.1 Acceptance ensures that each NBP SBA Vest has been produced and verified in accordance with all the requirements of the Contract.

4.2 Acceptance Inspection

4.2.1 The Contractor must make available for inspection and acceptance by Canada at the Contractor's facility each NBP SBA Vest.

4.2.2 The Contractor must prepare the release document in accordance with the Contract for each delivery of NBP SBA Vest stating that the Work is in accordance with Annex A and all its appendices.

5.0 DELIVERABLES

Contract End Item List	Quantity	SOW Reference	Deliverable to
a. Pre-production sample vest size medium	1	3.2; 3.2.6.1a	TA
b. Draft user manual	1	3.2.6.1b	TA
c. Soft Body Armour Vest	Per contract	3.2	Depot per contract
d. Ballistic material test report	1 per lot	3.2.7.3a	TA
e. Carrier material test report	1 per lot	3.2.7.3b	TA
f. Hard copy User Manual in English and French	1 per vest	3.2.7.1	Delivered with item c.

Appendix 1 NATO Stock Numbers

NATO Stock Number

Size

Male Vest

TBD

Small 32 ½ - 36

TBD

Medium 36 ½ - 40

TBD

Large 40 ½ - 44

TBD

X-Large 44 ½ - 48

TBD

XX-LARGE 48 ½ - 52