

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions -
TPSGC
11 Laurier St./ 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Clothing and Textiles Division / Division des vêtements
et des textiles
11 Laurier St./ 11, rue Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

Title - Sujet BOX, MULTIPLE OPERATIONS	
Solicitation No. - N° de l'invitation W8486-123286/B	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8486-123286	Date 2013-08-19
GETS Reference No. - N° de référence de SEAG PW-\$\$PR-724-63302	
File No. - N° de dossier pr724.W8486-123286	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-10-31	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Sloan, Kim	Buyer Id - Id de l'acheteur pr724
Telephone No. - N° de téléphone (819) 956-5379 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

W8486-123286/B

Client Ref. No. - N° de réf. du client

W8486-123286

Amd. No. - N° de la modif.

001

File No. - N° du dossier

pr724W8486-123286

Buyer ID - Id de l'acheteur

pr724

CCC No./N° CCC - FMS No/ N° VME

Amendment no. 1 is raised to provide Annex B attached.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

**SPECIFICATION
FOR
MEDIUM MULTIPLE OPERATIONS BOX (MMOB)
NSN: 8460-20-005-8662**

1.0 SCOPE:

- 1.1 This document defines the Canadian Forces (CF) requirements for the procurement of a Medium Multiple Operations Box, (MMOB).

2.0 PURPOSE:

- 2.1 To provide CF personnel with a MMOB, which allows for the stowage of operational equipment, fits underneath the standard issue field cot and meets the constraints for checked baggage as required by both CF air movements and commercial airline regulations.

3.0 APPLICABLE DOCUMENTS AND PUBLICATIONS:

- 3.1 The following publications referenced within this specification are the bidder's responsibility to source.
- MIL-C-4150J
 - NATO STANAG -4280
 - IP67 Ingress, and
 - FED STD 595C for color
- The Measure of Man and Women, Human Factors in Design, Henry Dreyfuss Associates, 1993, ISBN 0-8230-3031-8, is listed as a book that contains explanatory information and diagrams relating to human factors anthropometric measurements, which may be helpful, but is not mandatory.

4.0 SEALED PATTERNS:

- 4.1 There are no sealed patterns.

5.0 PHYSICAL REQUIREMENTS:

- 5.1 Mandatory size constraints of the MMOB are as follows:
1. The inside of the MMOB must allow storage of the C7A2 rifle with the C-79 sight attached, when the upper and lower receiver groups of the rifle are disassembled and laid within either the lid or bottom of the box in a completely flat manner. Level III drawings of the C7A2 rifle are attached as Appendix A.
 2. Depth: The internal depth (inside of lid to bottom of the base) of the MMOB must be as deep as possible allowing for maximum equipment storage.
 3. Height: The external height of the MMOB must not exceed 11.5 inches thus ensuring its fit underneath the CF issue field cot.
 4. The overall size of the MMOB must meet the 62 inch total size allowance for checked baggage, including all external components.
- 5.2 The MMOB must be as light as possible, with a maximum allowable weight of 10.9 kilograms.

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- 5.3 The inside of the lid must have a minimum of twelve (12) evenly spaced intrinsic attachment points which by use of self tapping metal screws, allow the user to attach specialty equipment pouches or containers to hold items such as weapon accessories, optical equipment, laptop computers and soldiers personal gear.
- 5.4 Internal pressure of the box and its contents must be automatically regulated while the box is in storage and/or transit as prescribed in NATO STANAG – 4280.
- 6.0 CLOSURES and LOCKING:**
- 6.1 Mechanisms used on the MMOB must allow for easy opening and closing by male/female users using either bare or gloved hands. These mechanisms must be free of sharp edges which could possibly cause harm to any user while operating them.
- 6.2 The MMOB must include a minimum of two reinforced padlock hasps capable of accepting shackle sizes up to 10mm and allowing padlocks to hang down during palletization.
- 6.3 The lid of the MMOB must stay in the upright (open) position when opened and must not cause the box to be unbalanced and overturn when the box is empty.
- 7.0 MOBILITY:**
- 7.1 The MMOB must have a sufficient number of handles to allow it to be pulled or rolled by one person and when required, safely lifted by two people. Handle design must facilitate heavy lift allowing for two handed over or underhand grip by male/female users with either bare or gloved hands and must not cause harm to the user/s operating them.
- 7.2 When pulled or rolled the MMOB must allow all male/female users to maintain their normal gait and posture and not come in contact the users' heels/toes.
- 7.3 The MMOB must incorporate a sufficient number of wheels aiding balance and stability and providing duplication in the event of breakage.
- 7.4 Latches, handles, hinges, wheels, pins or springs used in construction of the MMOB must be removable and replaceable by a CF technician using proper tools.
- 8.0 MATERIALS AND PHYSICAL CHARACTERISTICS:**
- 8.1 Colour of the MMOB must be in accordance with FED STANDARD 595C, # 31090, Brown. Final production colour must be approved by the TA.
- 8.2 Molding materials such as plastic pellets used in the construction of the MMOB must be certified 100% virgin material and not pose any direct health hazards to the users.
- 8.3 All paints used in the construction of the MMOB must not pose any direct health hazards to the users.
- 8.4 All metal components used in the construction of the MMOB must be corrosion resistant.

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- 8.5 The MMOB must be manufactured using a green life cycle strategy, with materials that allow for 100% recyclability.
- 8.6 The MMOB must contain two removable attachments which can retain standard 4-inch x 6-inch index cards allowing the display of personal/organizational information. The attachments and information contained inside them must only be removable when the lid is open. Locations must be the front face and the end of the box nearest the pull handle.
- 8.7 The MMOB must incorporate a design feature which facilitates stackability and prevents load shifting when stacked 4 to 6 high on uneven ground.
- 9.0 PERFORMANCE:**
- 9.1 The MMOB must be tested and certified by an independent accredited test facility of the manufacturer's choice as having met the following requirements:
1. Leak test in accordance with MIL-C-4150J, paragraphs 4.6.3.2.
 2. Impact test in accordance with MIL-C-4150J, paragraphs 4.6.3.5.2.3.
 - 2a. In addition to the specified test load as defined within the weight and drop table of MIL-C-4150J, a dead weight of 10 kilograms (+/- 0.1 Kg) must be attached to the intrinsic attachment points on the inside of the MMOB lid; (one weight distributed amongst all attachment points) and must remain in place for all of drops as prescribed within MIL-C-4150J, Para 4.6.3.5.2.3
 - 2b. Following the prescribed number of drops in accordance with MIL-C-4150J there must be no deformation of the intrinsic attachment points, or dislodgment of the attachment screws.
 3. Ingress test in accordance with IP67 IEC 60529 paragraphs 13.4 and 13.6 (dust), and IEC 60529, paragraph 14.2.7 (immersion).
 4. The following requirements of NATO STANAG-4280:
 - 4a. Damp Heat Test B, paragraph 16
 - 4b. Dry Heat Test C, paragraph 17
 - 4c. Low Temperature Test G, paragraph 21
 - 4d. Water Spray test L, paragraph 25
 5. Pull Test (to be performed on the pre-production sample only):
 - 5a. The MMOB must be loaded with an unspecified type of ballast until the box and ballast reach a combined total weight of 50 pounds.
 - 5b. The MMOB must then be pulled at a speed of 3.75 to 5 kilometers per hour by hand or mechanized device without stopping for a total distance of 8 kilometers.
 - 5c. A bed (strip) of sand 8mm to 15mm thick and 100 meters in length must be positioned on the route/course used for this test.

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- 5d. While carrying out the 8 kilometer pull test the MMOB must be pulled through the bed/strip of sand a minimum five times.
- 5e. Once the MMOB has completed the course it will immediately be inspected by the Department of National Defence Technical Authority. All wheels and bearings must remain able to spin freely.
- 5f. There is no temperature conditioning required for this test.

10.0 LABELLING:

- 10.1 The outside of the box lid must have a Canadian Flag and the NSN applied to it, by permanent printing. Colour of the Canadian flag will be as follows: The Maple Leaf and the two bars, which are normally Red in colour, must in this case be in accordance with FED STANDARD 595B, number 34259, (an Olive Green color). The area surrounding the Maple Leaf, which is normally White in colour, must in this case be the base Brown colour of the box. Both the Canadian flag and NSN will be centered on the lid of the box. The TA upon receipt and review of a sample may authorize nonconforming colours. The Canadian flag attached as Appendix B must be approximately 3.5 inches in height, by 7 inches in width (or length), and when the lid of the MMOB is opened the Canadian flag must not be upside down.
- 10.2 By means of permanent printing or molding the inside of the MMOB lid or bottom must contain the information (in both English and French) as prescribed below, in characters not less than 3 millimetres in height and not more than 6 millimeters in height.
 - a. MEDIUM MULTIPLE OPERATIONS BOX
 - b. NSN: 8460-20-005-8662
 - c. Contract Number
 - d. Date of manufacture; and
 - e. Contractors name, recognized trademark and short nomenclature
- 10.3 The manufacturer's identifier may also be molded or printed in a subdued color in a location approved by the TA.

11.0 WARRANTY/REPAIR/SPARE PARTS PROGRAM:

- 11.1 The MMOB must be provided with a 25-year warranty to include repair, replacement and spare parts in accordance with Appendix C attached.
- 11.2 A copy of the warranty signed by the bidder showing that they are in full agreement with all requirements stated in Appendix C must be submitted as part of the bid.

12.0 PACKAGING:

- 12.1 Shipments of MMOB must be palletized in quantities for maximum load effectiveness.

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- 12.2 All pallet loads must be banded (metal only) with a minimum of four (4) bands to stabilize and prevent loads from falling over during transit and long term unattended storage on uneven surfaces.