

**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**

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> MACHINE GUN SWING MOUNT	
<b>Solicitation No. - N° de l'invitation</b> W8476-134418/A	<b>Date</b> 2013-09-19
<b>Client Reference No. - N° de référence du client</b> W8476-134418	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BL-265-24035	
<b>File No. - N° de dossier</b> 265bl.W8476-134418	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-10-30</b>	<b>Time Zone Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input checked="" type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Brisard, Pascale	<b>Buyer Id - Id de l'acheteur</b> 265bl
<b>Telephone No. - N° de téléphone</b> (819) 956-0598 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du**

**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

**Armoured Vehicles Support/Soutien des véhicules blindés**

**11 Laurier St./11, rue Laurier**

**Place du Portage Phase III 6C1**

**Gatineau**

**Québec**

**K1A 0S5**

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

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## PART 1 - GENERAL INFORMATION

### 1. Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, the Basis of Payment, and any other annexes.

### 2. Summary

- (i) The Department of National Defence (DND) has a requirement to procure 1793 units of a turret mounted Machine Gun Swing Mount (MGSM) for Light Armoured Vehicle III (LAV III) 25 MM Turrets. This procurement also includes an irrevocable option to procure up to 207 additional units of the MGSM any time during the performance of the Contract. The proposed Contractor must provide the MGSM in accordance with the Requirement at Annex "A" and its appendices. The requirement also includes provision of Special Tooling if required for the 1st line maintenance and the supply of Interim Spare Parts to support the equipment for the first two (2) years of use from the date of the MGSM delivery.
- (ii) This requirement does not include a requirement in terms of resources nor timeline for design, development nor testing. The items must be a proven technology, which has been designed, tested and trialed as well as fielded on a Military vehicle. As part of the Technical Bid, the Bidder must provide two (2) samples of the proposed Machine Gun Swing Mount at no cost to Canada. Furthermore, as part of the technical evaluation process, a capability demonstration of the sample by the Bidder is requested.
- (iii) bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.
- (iv) "The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

- (v) "This procurement is subject to the Controlled Goods Program."
- (vi) "There is a Federal Contractors Program (FCP) for employment equity requirement associated with this procurement; see Part 5 - Certifications, Part 7 - Resulting Contract Clauses and the **ANNEX "C"** named Federal Contractors Program for Employment Equity - Certification."

### 3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual*

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

- 1.1 The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: one-hundred-twenty (120) days

### 1.2 SACC Manual Clauses

B1000T	2007/11/30	Condition of Material
C3011T	2010/01/11	Exchange Rate Fluctuation

### 1.3 Controlled Goods Program

1. As the resulting contract will require the production of or access to controlled goods that are subject to the *Defence Production Act*, R.S. 1985, c. D-1, bidders are advised that within Canada only persons who are registered, exempt or excluded under the Controlled Goods Program (CGP) are lawfully entitled to examine, possess or transfer controlled goods. Details on how to register under the CGP are available at: [Controlled Goods Program](#) and registration is carried out as follows:

a) When the bid solicitation includes controlled goods information or technology, the Bidder must be registered, exempt or excluded under the CGP before receiving the bid solicitation. Requests for technical data packages or specifications related to controlled goods should be made in writing to the Contracting Authority identified in the bid solicitation and must contain the CGP registration number or written proof of exemption or exclusion of the Bidder and of any other person to whom the Bidder will give access to the controlled goods.

b) When the bid solicitation does not include controlled goods information or technology but the resulting contract requires the production of or access to controlled goods, the successful Bidder and any subcontractor who will be producing or accessing controlled goods must be registered, exempt or excluded under the CGP before examining, possessing or transferring controlled goods.

c) When the successful Bidder and any subcontractor proposed to examine, possess or transfer controlled goods are not registered, exempt or excluded under the CGP at time of contract award, the successful Bidder and any subcontractor must, within seven (7) working days from receipt of written notification of contract award, ensure that the required application(s) for registration or exemption are submitted to the CGP. No examination, possession or transfer of controlled goods must be performed until the successful Bidder has provided proof, satisfactory to the Contracting Authority, that the successful Bidder and any subcontractor are registered, exempt, or excluded under the CGP.

Failure to provide proof, satisfactory to the Contracting Authority, that the successful Bidder and any subcontractor are registered, exempt or excluded under the CGP, within thirty (30) days from receipt of written notification of contract award, will be considered a default under the resulting contract except to the extent that Canada is responsible for the failure due to delay in processing the application.

2. Bidders are advised that all information on the Application for Registration (or exemption) Form will be verified and errors or inaccuracies may cause significant delays and/or result in denial of registration or exemption.

## 2. Note to Bidders

- a) This Request for Proposal, (RFP), is structured so that it will be similar to any resulting Contract. As such the words "Contract" and "Contractor" are to be read as "any resulting Contract" and "proposed Contractor" respectively.
- b) Changes to proposals will not be accepted after the solicitation closing date.
- c) There will be no direct payment by Canada for any costs incurred in the preparation and submission of proposals resulting from this RFP.
- d) Two (2) samples of the proposed MGSM must also be provided with the bid at no cost to Canada. The samples will be returned to the Bidder upon written request to the Contracting Authority. Such request must be made within 30 days of Award Notice. Canada will not be responsible for any damage or alterations to the samples as a result of the evaluation and testing.

## 3. Submission of Bids

Proposals must be submitted **ONLY TO PUBLIC WORKS AND GOVERNMENT SERVICES CANADA (PWGSC) BID RECEIVING UNIT** by the date, time and place indicated on page 1 of the Request for Proposal.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

Shipment packaging and labelling of the MGSM samples are to be to the highest manufacturer's standard for the mode of transportation utilized, to ensure safe arrival at final destination. The exterior package is to be clearly marked as a minimum with the following information: consignee and address, solicitation number, project name, number of pieces. The requested two (2) samples are to be packed as individual sets, whenever possible. The contents of each interior package are to be clearly indicated by label or tag showing the item number, quantity and bidder's name.

#### 4. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later **ten (10)** calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

#### 5. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

#### 6. Basis of Payment

Price for the MGSM is to be a firm unit prices in Canadian Free Carrier Loaded (FCA) at Contractor's facility, as per Incoterms 2000. Custom duties excluded and the amount of all applicable taxes is/are to be shown as separate items.

#### 7. Delivery

Delivery of the equipment is preferred by **March 31, 2015** as follows:

First 200 units: within 4 months of Contract Award date

Remaining units: within 12 months of Contract Award date

Interim Spare Parts within 12 months of Contract Award date

Special Tooling (as applicable) within 4 months of Contract Award date.

While delivery is preferred by Canada as indicated above the best delivery that could be offered is:

Bidders are required to specify their proposed best delivery date and delivery schedule for the Machine Gun Swing Mount Assembly and Interim Spare Parts (and Special Tooling as applicable).

Bidder can proposed different quantity breakdown and schedule for the MGSM units

First \_\_\_\_ units: within \_\_\_\_ of Contract Award date

Following \_\_\_\_ units : within \_\_\_\_ of Contract Award date

Following \_\_\_\_ units: within \_\_\_\_ of Contract Award date

Remaining within \_\_\_\_ of Contract Award date

Interim Spare Parts within \_\_\_\_ of Contract Award date

Special Tooling (as applicable) within \_\_\_\_ of Contract Award date.

## 8. Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least twenty **(20) days** before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## 9. Traceability

Items offered shall not be identified as being produced by a NATO Supply Code for Manufacturer (NSCM) unless produced by that manufacturer or its accredited manufacturer/supplier. **It is the bidder's responsibility** to ensure that they and/or their supplier are legally entitled to manufacture the parts which are being offered.

## 10. Foreign Suppliers (GST/HST/QST)

Any contracts, that call for dilivery outside Canada awarded to foreign suppliers should not include the GST/HST/QST.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid ( 5 hard copies)  
 Section II: Financial Bid ( 1 hard copy)  
 Section III: Certifications ( 1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### Section I: Technical Bid

- 1. The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed

#### Section II: Financial Bid

- 1.1 Bidders must submit their financial bid in accordance with the "Basis of Payment in Annex "B". The total amount of Applicable Taxes must be shown separately.

#### 1.2 Exchange Rate Fluctuation

C3011T (2010-01-11), Exchange Rate Fluctuation

Solicitation No. - N° de l'invitation

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Amd. No. - N° de la modif.

File No. - N° du dossier

265bIW8476-134418

Buyer ID - Id de l'acheteur

265bI

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

W8476-134418

CCC No./N° CCC - FMS No/ N° VME

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### **Section III:      Certifications**

Bidders must submit the certifications required under Part 5.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the "technical" and "financial" evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

### 1.1 Technical Evaluation

#### 1.1.1 Mandatory Technical Criteria

##### 1. Proven Technology

The proposed MGSM unit must be a proven technology, which has been designed, tested and trialed as well as fielded on a military vehicle.

In order to demonstrate that the item is a proven technology, the bidder must provide at a minimum one of the following:

- a) Brand Name, model and/or part number with an existing North Atlantic treaty Organization Stock Number (NSN) for the proposed MGSM assembly;

OR,

- b) Proof that the technology proposed for the MGSM has been used by a customer other than the Bidder on a military vehicle;

OR,

- c) Complete specifications and descriptive literature or data to prove design, application, reliability and compatibility as required per **Appendix 2 of ANNEX A - Requirement**.

### 2. Environmental and Vibration Requirements

The Bidder must demonstrate how the proposed MGSM meets the Environmental and Vibration Requirements stipulated in the compliance Matrix at **Appendix 6 of ANNEX A - Requirement**.

Compliance with the Environmental and Vibration Requirements will be conducted in accordance with **Appendix 2 of Part 4** of the RFP.

### 3. Submission of a Sample

As part of the technical bid, the Bidder must provide two (2) samples at no cost to Canada of the proposed Machine Gun Swing Mount (MGSM) assembly. The MGSM must be submitted with the

bid by bid closing date to Public Works and Government Services Canada (PWGSC) BID RECEIVING UNIT address on page 1 of the solicitation.

These samples must all be identical in material, design, and operation.

#### 4. Capability Demonstration of the Sample by the Bidder

To confirm the proposed MGSM 's capability of meeting the specifications detailed in Appendix 2 of ANNEX A - Requirement, the Bidder must demonstrate in person, at the following address and within the timeline requested by the Contracting Authority, that the sample meet all of the criteria set out in the Bid Evaluation (Bidder's Demonstration) stipulated at **Appendix 1 of Part 4**.

Canada will provide the C6, 7.62mm and C9A2, 5.56mm machine guns and associated ammunitions required for the Demonstration by the bidder.

One of the sample provided by the bidder at bid closing date will also be made available to the bidder for the demonstration. Only the sample provided at bid closing date is to be used for the demonstration.

Only one deviation will result in the bid being declared non-responsive. The bidder will be given a maximum of 8 hours to conduct the demonstration.

The Demonstration is to be held at:

25 Canadian Forces Supply Depot (CFSD)  
6363 Notre Dame St. E  
Montréal, Québec  
H1N 2E9  
Canada

The following information must be provided upon request from the Contracting Authority to be granted access to the 25 CFSD for the Bidder's demonstration:

Name:

Date of Birth:

Place of Birth:

Security Clearance:

ID/Passport No.:

Nationality:

Position:

Company:

An itemized checklist of any tooling/parts that the bidder may have in their possession them upon entry into the depot:

cell phone number, serial number of a laptop (as applicable)

The Bidder will be given a minimum of three (3) weeks notice by the Contracting Authority of the time and date scheduled for the Bidder's demonstration.

## 1.2 Financial Evaluation

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All prices quoted are to be firm unit prices in Canadian dollars, Free Carrier Loaded (FCA) at Contractor's facility, as per Incoterms 2000 and in accordance with the Basis of Payment.

1.2.1 The price of the bid will be evaluated in Canadian dollars, the Customs Duties excluded, Goods and Services Tax, Quebec Sales Tax (QST) and/or the Harmonized Sales Tax excluded, FCA - Free Carrier (Contractor's facility) as per Incoterms 2000.

1.2.2 For bid evaluation and contractor(s) selection purposes only; the evaluated price of a bid will be determined in accordance with **Appendix 3 to Part 4- Bid Price for Bid Evaluation Purposes**.

1.2.3 If there is a discrepancy between the unit prices identified in **Appendix 3 to Part 4** and ANNEX B the prices identified in **ANNEX B - Basis of Payment** will govern.

1.2.4 Failure to provide all pricing (firm and optional quantities) as requested for all quantities as requested, in Canadian dollars, FCA - Free Carrier at Contractor's facility as per INCOTERMS 2000, will result in your bid being considered non-responsive.

## **2. Basis of Selection**

To be considered responsive, a bid must:

- a) meet all mandatory technical evaluation criteria
- b) comply with the Basis of Payment
- c) comply with all other clauses, terms and conditions stipulated in this RFP

Bids not meeting (a) or (b) or (c) will be declared non-responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## APPENDIX 1 TO PART 4 BIDDER'S DEMONSTRATION

### 1.0 General

The proposed Machine Gun Swing Mount (MGSM) will be evaluated through a Bidder MGSM performance demonstration trial consisting of two (2) test sets: an initial inspection and a fit form and function test. This demonstration must be conducted in accordance with the concept and evaluation matrix detailed herein.

### 1.1 Demonstration

Test 1 - Initial inspection: DND personnel will assess the reference criteria with the in relation to design, weight and general characteristics, including any potential hazard to operators. The assessment will be made using the MGSM sample provided with the bid by bid closing date.

Test 2 - Fit, Form, and Function: In its demonstration, the Bidder must demonstrate compliance with the listed criteria using the approach described in the evaluation matrix detailed herein.

### 1.2 Compliance

Any test item demonstration failure results in product non-compliance.

#### Test 1 : Initial Inspection

TE ST ID	Criteria Ref. Appendix 2 to ANNEX A	TEST METHOD	APPROACH	EVALUATION FORMULA
1-1	3.3.17 3.3.20	Visual Inspection	Verification of functional and lock/release mechanism	Pass or Fail
1-7	3.2.2	Measurement	The MGSM weight is less than or equal to 25kg.	Pass or Fail

#### Test 2: Fit, Form and Function

TE ST ID	Criteria Ref. Appendix 2 to ANNEX A	TEST METHOD	APPROACH	EVALUATION FORMULA
2-1	3.1.4.1 3.2.4 3.2.10 3.3.1	Bidder Demonstration	Installation of the MGSM on the LAV III ISC using only common hand tools.	Pass or Fail
2-2	3.3.11 3.3.22	Bidder Demonstration	Mounting of the C6 MG with no tooling.	Pass or Fail
2-3	3.3.11 3.3.22	Bidder Demonstration	Mounting of the C9A2 MG with no tooling.	Pass or Fail

2-6	3.3.10 3.3.13	Bidder Demonstration	Loading and unloading of 5.56mm NATO Standard ammunition containers or loose links to be accomplished while the MG is mounted. No special tooling shall be required. Left and Right handed operator with and without gloves.	Pass or Fail
2-7	3.3.10 3.3.13	Bidder Demonstration	Loading and unloading of 7.62mm NATO Standard ammunition containers or loose links to be accomplished while the MG is mounted. No special tooling shall be required. Left and Right handed operator with and without gloves.	Pass or Fail
2-1 2	3.3.6	Measurement	Range of movement from center point	Pass or Fail
2-1 3	3.1.3.2	Physical Installation	Compatible with C6 butt assembly	Pass or Fail
2-1 4	3.1.3.2	Physical Installation	Compatible with C6 spade grip assembly	Pass or Fail
2-1 6	3.1.4.1 3.2.10 3.3.10 3.3.11 3.3.12 3.3.13 3.3.14	Bidder Demonstration	Completion of MG Drills (C9A2) with both left and right hand operators (drills to include: load, unload, immediate actions and change barrel), as per <b>Appendix 7 - User Trials MG Handling Drills</b>	Pass or Fail
2-1 7	3.1.4.1 3.2.10 3.3.10 3.3.11 3.3.12 3.3.13 3.3.14	Bidder Demonstration	Completion of MG Drills (C6) with both left and right hand operators (drills to include: load, unload, immediate actions and change barrel) <b>Appendix 7 - User Trials MG Handling Drills</b>	Pass or Fail
2-2 0	3.1.4.4 3.2.5	Bidder Demonstration	The MGSM allows the MG (C6 and C9A2) to clear the ECPK and any other ancillary components on the turret, throughout the operational range of motion.	Pass or Fail
2-2 1	3.2.3	Measurement	Minimum Stowed Height - 350 mm from the bottom of the mounting plate to the MG locking pin at 0° elevation	Pass or Fail
2-2 2	3.3.2 3.3.3	Measurement	Range of adjustable operational heights	Pass or Fail
2-2 3	3.3.4	Measurement	Elevate +75 degrees and -10 degrees from horizontal	Pass or Fail
2-2 4	3.3.5	Measurement	Elevation of -50 degrees from horizontal upon deactivation of	Pass or Fail

			any manual depression limiting device	
2-2 5	3.3.6	Measurement	Traverse 135 degrees (2400 mils) clock wise and 125 degrees (2200 mils) counter clock wise from vehicle forward center.	Pass or Fail
2-2 7	3.3.21	Bidder Demonstration	A one-man operator shall conduct the OEM defined pre-operation checks and post-operation checks.	Pass or Fail
2-3 0	3.4	BidderTechnician Trial	Simulate repair and replacement of LRUs with one Bidder technician using standard or OEM-provided tools. To be conducted by one (1) technician of the Bidder after completion of the Bidder's Demonstration	Pass or Fail

## APPENDIX 2 to PART 4 ENVIRONMENTAL AND VIBRATION REQUIREMENTS

- 1.0 General**
- 1.0 The requirement is for a proven technology which has already been designed, tested, and fielded.
- 1.0 The Bidder must provide test reports or valid documentation to substantiate the requirements listed herein under the Standard/Specification column. In this case, physical validation by Canada of comparative testing is not a required function for the evaluation phase of this requirement. However, Canada reserves the right to test any design or performance claim by a manufacturer as specified in this Appendix.
- 1.0 The Bidder can choose to provide a compliance statement and agree to testing by Canada of any design or performance claim by a manufacturer as specified in this Appendix.
- 1.0 Quality Engineering Test Establishment (QETE) will conduct testing at their facilities or an appropriate facility deemed acceptable by them. The final decision will rest with the Evaluation Team with the Contracting Authority (CA) concurrence.

Table 1: Environmental Testing

Test ID	Environmental Requirements	Standard/Specification	Bid Evaluation	BIDDER'S CERTIFICATION	
				Compliance Statement and Testing by (QETE)	Test Report.
	Interpretation				

	The MGSM shall meet all stated performance requirements without physical damage during and after exposure to any combination of the ambient and induced climatic and environmental conditions identified in this Appendix.	N/A	The Bidder must select one of the two evaluation strategies for each criteria	Compliance Statement as provided below	Provision by the Bidder of Test Report as requested herein under Standard/Specification column
	<b>High Temperature - Operation</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-1	The MGSM shall be required to operate in all environments associated with A1, A2, and A3 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in the A1 climatic category in accordance with MIL-STD-810G, Method 501.5, Procedure II or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>High Temperature - Storage</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-2	The MGSM shall be required to be stored in all environments associated with A1, A2, and A3 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.	Provide an engineering report detailing manipulation and operation of the MGSM following storage in the A1 climatic category in accordance with MIL-STD-180G, Method 501.5, Procedure I or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Low Temperature - Operation</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>

1-3	The MGSM shall be required to operate in all environments associated with C0, and C1 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in the C1 climatic category in accordance with MIL-STD-180G, Method 502.5, Procedure II and II or equivalent test standards.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
1-4	The MGSM shall be operable in all environments associated with C2 and C3 climatic zones up to a low temp of -40C.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in the C2 or C3 climatic category in accordance with MIL-STD-180G, Method 502.5, Procedure II and II or equivalent test standards.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Low Temperature – Storage</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-5	The MGSM shall be required to be stored in all environments associated with C0, C1, and C2 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.	Provide an engineering report detailing manipulation and operation of the MGSM following storage in the C2 climatic category in accordance with MIL-STD-180G, Method 502.5, Procedure I or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Temperature Transitions / Shock</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>

1-6	The MGSM shall be required to operate during and after sudden transitions from climate controlled spaces to temperatures associated with A1 and C1 climatic zone IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition	Provide an engineering report detailing manipulation and operation of the MGSM following temperature transition from climate controlled spaces to temperatures associated with A1 and C1 climatic zones in accordance with MIL-STD-180G, Method 503.5, Procedure I-D or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Solar Radiation</b>			Bidder's selected Evaluation Strategy	Bidder's selected Evaluation Strategy
1-7	The MGSM shall be required to operate during and after exposure to solar radiation associated with the A1 climatic condition as described in MIL-STD-810G, Method 505.5.	Provide an engineering report detailing the peak response temperature of the MGSM due to full solar-loading as described in MIL-STD-810G, Method 505.5 in an A1 climatic zone and then demonstrate manipulation and operation of the unit at the peak temperature.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Corrosion</b>			Bidder's selected Evaluation Strategy	Bidder's selected Evaluation Strategy

1-8	The MGSM design shall mitigate corrosion and its effects on the operation of the product from exposure to humidity and/or salt-spray environments.	Provide an engineering report detailing any corrosion and its impact on the manipulation and operation of the MGSM after exposed to a salt-fog environment in accordance with MIL-STD-180G, Method 509.5 or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Dust</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-9	The MGSM shall be required to operate during and after exposure to blowing dust as defined in MIL-STD-810G Method 510.5 Procedure I.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in a blowing dust environment in accordance with MIL-STD-180G, Method 510.5, Procedure I or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Icing/Freezing Rain</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-10	The MGSM shall be required to operate during and after exposure to ice accumulation of up to 6 mm resulting from freezing rain, drizzle, fog, or surface water splashing.	Provide an engineering report detailing manipulation and operation of the MGSM after exposure to 6mm of ice accretion in accordance with MIL-STD-180G, Method 521.3 or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b> Test Report		

	<b>Freeze/Thaw</b>				<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
1-11	The MGSM shall be required to operate during and after exposure to freeze-thaw cycles of snow and/or other surface wetness.	Provide an engineering report detailing manipulation and operation of the MGSM during and after exposure to freeze/thaw cycles in accordance with MIL-STD-180G, Method 524.5, Procedure III or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report			

Table 2: Vibration/Shock Testing

<b>Test ID</b>	<b>Environmental Requirements</b>	<b>Standard/Specification</b>	<b>BID EVALUATION</b>	<b>BIDDER'S CERTIFICATION</b>	
	<b>Interpretation</b>			Compliance Statement <u>and</u> Testing by (QETE)	Test Report.
	The MGSM shall meet all stated performance requirements while remaining fully operable during and after exposure to any combination of the ambient and induced climatic and environmental conditions identified in this Appendix.	N/A	N/A	Compliance Statement as provided below	Provision by the Bidder of Test Report as requested herein under Standard/Specification column
	<b>Secured Vibration</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>

2-1	The MGSM shall be required to operate during and after exposure to composite wheeled vehicle vibration in accordance with MIL-STD-810G 514.6 Category 4, Table 514.6C-VI	Provide an engineering report detailing manipulation and operation of the MGSM while tested in accordance with MIL-STD-180G, Method 514.6, Procedure I, Category 4 or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b>  Test Report		
	<b>Functional Shock</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
2-2	The MGSM shall be required to remain fully operable after being subjected to functional shock in accordance with MIL-STD-810G 516.6 Procedure I for Ground Equipment.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in accordance with MIL-STD-180G, Method 516.6, Procedure I for Ground Equipment or equivalent test standard.	Compliance Statement <b>and</b> Testing by (QETE)  <b>OR</b>  Test Report		

	<b>Crash Hazard Shock</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
2-3	The MGSM shall be required to endure a crash hazard shock without releasing the attached gun, and becoming detached from the vehicle in such a way that poses a hazard to the vehicle occupants as outline by MIL-STD-810G 516.6 Procedure V for Ground Vehicles.	Provide an engineering report detailing manipulation and operation of the MGSM while tested in accordance with MIL-STD-180G, Method 516.6, and Procedure V for Ground Equipment or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b>  Test Report		

Table 3: Other Requirements

Test ID	Environmental Requirements	Standard/Specification	BID EVALUATION	BIDDER'S CERTIFICATION	
	<b>Interpretation</b>			Compliance Statement <u>and</u> Testing by (QETE)	Test Report <u>and</u> Testing at DND's discretion.
	The MGSM shall meet all stated performance requirements with respect to the noise, EMF limits, and POL resistance as identified in this Appendix.	N/A	N/A	Compliance Statement as provided below	Provision by the Bidder of Test Report as requested herein under Standard/Specification column
	<b>Noise Limits</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>

3-1	The MGSM shall meet LEVEL II non-detectable limits 10-30meters (30m requirement) throughout its operational range of motion while fully kitted with the C6 or C9 MG and associated ammunition.	Provide an engineering report detailing the measured results of the tests in accordance with MIL-STD-1474D or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>ELECTROMAGNETIC ENVIRONMENTAL EFFECTS</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
3-2	The MGSM shall be compliant with the electrical bonding requirements of MIL-STD-464C, Section 5.11.	Provide an engineering report detailing the results of MIL-STD-464C, Section 5.11 testing as per the following: bonding resistance across the MGSM mounting interface of 2.5 mO orless. The total bonding resistance of any component of the MGSM and the surface to which it is mounted shall be 10 mO or less. Any weapon mounted in the MGSM shall have a bonding impedance of 2.5 mO or less.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		
	<b>Petroleum, Oil, and Lubricant (POL) Contamination Resistance</b>			<b>Bidder's selected Evaluation Strategy</b>	<b>Bidder's selected Evaluation Strategy</b>
3-3	The MGSM shall be designed to be resistant to petroleum, oil, and lubricant (POL) contamination such that after exposure the MGSM shall remain fully operable.	Provide an engineering report detailing the MGSM resistance to POL tested in accordance AECTP 300 (Edition 3) Method 314, and/or TOP 3-2-609, or equivalent test standard.	Compliance Statement <u>and</u> Testing by (QETE)  <b>OR</b> Test Report		

## APPENDIX 3 TO PART 4

### **Bid Price for Bid Evaluation Purposes**

The contract funding may differ from the total evaluated price of the successful bid.

**The Estimates included herein at column A are provided for bid evaluated price determination purposes only.**

The price of the bid will be evaluated in Canadian dollars, the Customs Duties excluded, Goods and Services Tax, Quebec Sales Tax (QST) and/or the Harmonized Sales Tax excluded, FCA - Free Carrier (Contractor's facility) as per Incoterms 2000.

If there is a discrepancy between the unit prices identified in ANNEX B and Appendix 3 to Part 4 the prices identified in ANNEX B - Basis of Payment will govern.

### **ITEM 001, MGSM**

The Contractor will be paid the following firm unit price, in Canadian dollars, for a minimum quantity of 1793 units and up to an additional 207 option quantity, FCA Free Carrier Loaded (Contractor's facility) as per Incoterms 2000, for the machine gun Swing Mount (MGSM) as per the Requirement at Annex "A" and its appendices and in accordance with the terms and conditions of the contract. **Interim Spare Parts, Special Tooling and Travel and Living Expenses are excluded.** The Goods and Services Tax, Quebec Sales Tax and Harmonized Sales Tax are extra, if applicable.

	A	B		C
Unit of Issue	Estimated Qty	Unit Price Per ANNEX B Item 001	Total A X B =	Extended Price
Each	2000			
		<b>Bid Price for Bid Evaluation Purposes:</b>		

## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications and documentation to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default, if any certification made by the Bidder is found to be untrue whether during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with this request will also render the bid non-responsive or will constitute a default under the Contract.

### **1. Mandatory Certifications Required Precedent to Contract Award**

#### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

#### **1.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from Human Resources and Skills Development Canada (HRSDC) - Labour's website

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification (ANNEX C) before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

## 2. Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

### 2.1 Technical Compliance Certification

The manufacture of the MSGM item must be in strict accordance with the technical requirements stipulated at **Appendix 2 to ANNEX A - MSGM - Operational Requirements** and Technical Specifications. The Bidder confirms that it has received, read and will fully comply with these mandatory requirements.

The Bidder acknowledges that Canada rely upon such representation and warranty to evaluate bids and to enter into any contract resulting from this Offer. Such representation and warranty may be verified in such manner as Canada may reasonably require.

Should a verification by Canada disclose a breach of such covenant, Canada shall have the right to treat any contract resulting from this Bid as being in default.

To Support this Technical Compliance Certification, the bidder must confirm compliance with all the mandatory requirements of **Appendix 2 to ANNEX A**, by stating comply immediately following each of the paragraphs of the **Appendix 2 to ANNEX A** and to execute this representation and warrantee at the signature block immediately following this paragraph.

Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature \_\_\_\_\_ Date: \_\_\_\_\_

### 2.2 Environmental and Vibration Requirements

Bidders must submit the certifications and/or engineer reports requested under **Appendix 2 of Part 4 of the RFP**.

## **PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **1. Security Requirement**

- (a) There is no security requirement associated with this requirement.
- (b) Personnel

Contractor Personnel requiring casual access to DND Establishments do not require a security clearance but must be escorted at all times. Names of visitors, place and date of birth, their National Clearance (if any) and proposed date of visits are to be reported to:

National Defence Headquarters  
MGen George R. Pearkes Bldg.  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2

Attn: D Op Secur 3-3

### **2. Financial Capability**

*Manual SACC clause A9033T ( 2012-07-16) Financial Capability*

### **3. Controlled Goods Requirement**

*Manual SACC clause A9130T (2011-05-16) Controlled Goods Program*

## **PART 7 - RESULTING CONTRACT CLAUSES**

### **SECTION A - ADMINISTRATION**

#### **A1. Security Requirement**

- (a) There is no security requirement associated with this requirement.
- (b) Personnel

Contractor Personnel requiring casual access to DND Establishments do not require a security clearance but must be escorted at all times. Names of visitors, place and date of birth, their National Clearance (if any) and proposed date of visits are to be reported to:

National Defence Headquarters  
MGen George R. Pearkes Bldg.  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2

Attn: D Op Secur 3-3

#### **A2. Authorities**

##### **2.1 Contracting Authority**

The Contracting Authority for the Contract is:

Pascale Brisard  
Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Defence & Major Projects Sector  
Place du Portage, Phase III, 6C1  
11 Laurier Street  
Gatineau, Quebec K1A 0S5

Telephone: (819) 956-0598  
Facsimile: (819) 956-0648  
E-mail address: pascale.brisard@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

##### **2.2 Technical Authority**

The Technical Authority for the Contract is:

\_\_\_\_\_ (Name of Technical Authority)  
\_\_\_\_\_ (Title)

\_\_\_\_\_ (Fill in Organization)  
\_\_\_\_\_ (Fill in address)

Telephone : \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### **2.3 Contractor's Representative**

Name and telephone number of the person responsible for:

#### **General enquiries**

Name: \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Facsimile No. \_\_\_\_\_  
E-mail address: \_\_\_\_\_

#### **Delivery follow-up**

Name: \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Facsimile No. \_\_\_\_\_  
E-mail address: \_\_\_\_\_

## **A3. Standard Clauses and Conditions**

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

### **3.1 General Conditions**

2030 (2013-06-27), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

### **3.2 Supplemental General Conditions** *(Applicable for Interim Spare Parts, Special tooling and additional work requirements, if any)*

1031-2 (2012-07-16), Contract Cost Principle, apply to and form part of the Contract.

#### **A4. Certifications**

##### **4.1 Compliance**

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

##### **4.2 Federal Contractors Program for Employment Equity - Default by the Contractor**

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and HRSDC-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC will constitute the Contractor in default as per the terms of the Contract.

##### **4.3 Price Certification - (*Interim Spare Parts, Special tooling and additional work requirements*)**

The Contractor understands and agrees, that the price proposed during the performance of the Contract for spare parts and special tooling to support the equipment for the first two (2) years of use as requested under the Requirement ANNEX A, as well as for additional work requirements if required by Canada, is based on:

- a) costs computed in accordance with Contract Cost Principles 1031-2; and/or
- b) rates negotiated or approved for use by their respective national government, for the facility where the work is performed;

Furthermore, the Contractor agrees to a reasonable profit rate computed in accordance with Chapter 10, Cost and Profit, of the Supply Manual, Public Works and Government Services Canada.

and/or

- c) published price lists and/or
- d) market value

Finally the Contractor certifies that the prices proposed are not in excess of the lowest price charged anyone else, including the Bidder's most favoured customer, for the like quality and quantity of the goods, services or both.

#### **A5. Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario.

#### **A6. Defence Contract**

The Contract is a defence contract within the meaning of the Defence Production Act, R.S.C. 1985, c. D-1, and must be governed accordingly.

Title to the Work or to any materials, parts, work-in-process or finished work must belong to Canada free and clear of all claims, liens, attachments, charges or encumbrances. Canada is entitled, at any time, to remove, sell or dispose of the Work or any part of the Work in accordance with section 20 of the Defence Production Act.

#### **A7. Priority of Documents**

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2030 (2013-06-27), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract;
- (c) 1031-2 (2012-07-16), Contract Cost Principle (*Applicable for Interim Spare Parts, Special tooling and additional work requirements, if any*)
- (d) Annex "B", Basis of Payment;
- (e) Annex "A", Requirement and related appendices
- (f) Annex "C", Federal Contractors Program for Employment Equity Certification
- (g) the Contractor's bid dated \_\_\_\_\_ (*insert date of bid*), as amended \_\_\_\_\_ (*insert date(s) of amendment(s), if applicable*).

## **SECTION B - REQUIREMENT**

### **B1. Requirement**

- 1.1** The Contractor must provide **1793** units of a turret mounted machine gun Swing Mount (MGSM) for Light Armoured Vehicle III (LAV III) 25 MM Turrets in accordance with ANNEX "A" and associated appendices and the terms and conditions of the contract. This requirement also includes an irrevocable option to procure up to 207 additional units of the MGSM any time within the performance of the Contract.

### **1.2 Interim Spare Parts and Special Tooling**

The Contractor must provide two (2) years of initial spare parts in accordance with the terms and conditions of the contract.

The Contractor must also provide Special Tooling and Testing Equipment if required for the 1st line maintenance in accordance with the terms and conditions of the contract.

The Contractor is required to provide, if any and upon request by Canada, additional work requirements in accordance with the terms and conditions of the contract.

### **1.3 Subordinate Deliverables - Data Requirement**

The Contractor must provide the following subordinate deliverables in accordance with the Contract at no additional cost to the Contract. (Refer to ANNEX A and Appendix 5 to ANNEX A)

#### Acronyms

DAC	Days after Contract effective date
DAMC	Days after Meeting Completion
MAC	Months after effective date
OTIME:	One Time Only
ONE/R:	One Time with revisions
QRTLY:	Quarterly (once every 3 months)
ASR:	As Required
XDALD	(Calendar) Days After Last Delivery

Item	Fist Submission Due date	Frequency
- Project Kick-Off Meeting - Agenda and Meeting	10 DAC	OTIME
- Project Kick-Off Meeting - Minutes	5 DAMC	OTIME
- Project Master Schedule and Equipment Delivery Schedule	15DAMC	ONE/R
- Project Status Meeting - Agenda and Meeting	30 DAC	QRTLY
- Project Status Meeting - Minutes	5 DAMC	QRTLY
- Project Close-Out - Agenda and Meeting	30 XDALD	OTIME
- Project Close-Out - Minutes	5 DAMC	OTIME
- Material Safety Data Sheet (MSDS)	1 MAC	OTIME

- Bill of Material (BOM) Listing	1 MAC	OTIME
- Hardware Breakdown Structure (HBS) Drawing	1 MAC	OTIME
- Equipment Name Plate Design	1 MAC	ONE/R
- Operator and Maintenance - DVD Bilingual Multi Media Training	1 MAC	OTIME
- Supplementary Provisioning Technical Documentation (SPTD)	1 MAC	OTIME
- Comprehensive Operator Manual	1 MAC	OTIME
- Comprehensive Maintenance Manual with Illustrated Parts List	1 MAC	OTIME
- Interim Spare Parts List (ISPL)	1 MAC	ONE/R
- Special tooling and test equipment List	1MAC	ONE/R

## **B2. Material**

Material supplied must be new and conform to the latest issue of the applicable drawing, specification and/or part number that is in effect on the bid solicitation closing date.

## **B3. Term of Contract**

### **3.1 Delivery Date**

Delivery shall be made on or before:  
(delivery schedule as proposed and accepted will be inserted at contract award)

(If **item is not** delivered on or before the specified delivery date, the contractor is to inform PWGSC contracting authority)

### **3.2 Option for an Additional Quantity**

The Contractor grants to Canada the irrevocable option to add up to 207 units of the MGSM under the same conditions and at the same price stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option any time during the performance of the Contract by sending a written notice to the Contractor. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

## **B4. SACC Manual Clauses**

A9131C	2011/05/16	Controlled Goods Program
B4060C	2011/05/16	Controlled Goods
D5545C	2010/08/16	ISO 9001:2008 - Quality Management Systems - Requirements (QAC C)
D3010C	2012/07/16	Dangerous Goods/Hazardous Products
D6010C	2007/11/30	Palletization
D2025C	2008/12/12	Wood Packaging Materials
B4042C	2008/05/12	Identification Markings
D2001C	2007/11/30	Labelling
B7500C	2006/06/16	Excess Goods

G1005C	2008/05/12	Insurance
D0050C	2007/05/25	End User Certificate

**B5. Preparation for Delivery**

The Contractor must prepare the items for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification D-LM-008-036/SF-000, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item 001 (MGSM) in quantities of one (1) by package.

**B6. Shipping Instructions (DND) - Canadian-based Contractor**

1. Delivery will be FCA Free Carrier at \_\_\_\_\_ (Insert the named place, e.g. Contractor's facility) Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

2. Before shipping the goods, the Contractor must contact the following DND Inbound Logistics coordination center by telephone, facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 3.

Inbound Logistics Coordination Center (ILCC)

Telephone: 1-877-877-7423 (toll free)

Facsimile: 1-877-877-7409 (toll free)

E-mail: ILHQOttawa@forces.gc.ca

3. The contractor must provide the following information to the DND Inbound Logistics Coordination Center when arranging for shipment:

- (a) the contract number;
- (b) consignee address (for multiple addresses, goods must be packaged and labelled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (i.e., carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;
- (f) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material as required for shipment by the International Maritime Dangerous Goods Code, the International Air Transportation Association Regulations or the applicable Canadian Dangerous Goods Shipping

Regulations, and a copy of the Material Safety Data Sheet.

4. Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, and the marking of each piece with a Transportation Control Number.
5. The Contractor must not ship goods before receiving shipping instructions from the DND Inbound Logistics contact.
6. If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfil reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.
7. If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

**OR**

**B6. Shipping Instructions (DND) - Foreign-based Contractors**

1. Delivery will be FCA Free Carrier at \_\_\_\_\_ (Insert the named place, e.g. Contractor's facility) Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility.

2. Before shipping the goods, the Contractor must contact the following DND Inbound Logistics coordination center by telephone, facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph 3.

(Before contract award, the contracting officer must choose either shipping option a, b, c, or d, and delete the unused options.)

- (a) Insert the following when the Contractor is located in the United States (U.S.):

Inbound Logistics Coordination Center (ILCC):  
Telephone: 1-877-447-7701 (toll free)  
Facsimile: 1-877-877-7409 (toll free)  
Email: ILHQOttawa@forces.gc.ca

**OR**

- (b) Insert the following when the Contractor is located in United Kingdom and Ireland:

Inbound Logistics United Kingdom (ILUK):  
Telephone: 011-44-1895-613023, or  
011-44-1895-613024  
Facsimile: 011-44-1895-613047  
Email: CFSUEDetUKMovement@forces.gc.ca

In addition, the Contractor must send to ILUK the completed form "Shipping Advice and Export Certificate" by e-mail to: CFSUEDetUKMovement@forces.gc.ca

The shipment of any items above the value of 600 GBP (pound sterling) being exported from the United Kingdom and Ireland will be cleared by DND using Her Majesty's Customs & Excise (HMCE) New Export Systems (NES). The Contractor must comply with HMCE requirements by registering with HMCE or by having a freight forwarder complete the entry. A printed copy of the NES entry Export Declaration clearly displaying the Declaration Unique Consignment Reference Number must be provided by the Contractor and attached to the consignment. The Contractor must ensure that this procedure is carried out for all stores whether they be initial purchase or repair and overhaul export items. HMCE will authorize Canadian Forces Support Unit (Europe) to ship the goods only if the procedure has been adhered to completely and properly by the Contractor.

OR (c) Insert the following when the Contractor is located in a country other than Canada, the United States, the United Kingdom and Ireland:

Inbound Logistics Europe Area (ILEA):  
Telephone: +49-(0)-2451-717199 or 717200  
Facsimile: +49-(0)-2451-717189  
Email: ILEA@forces.gc.ca

3. The Contractor must provide the following information to the DND Inbound Logistics contact when arranging for shipment:

- (a) the Contract number;
- (b) consignee address (if multiple addresses, items must be packaged and labelled separately with each consignee address);
- (c) description of each item;
- (d) the number of pieces and type of packaging (e.g. carton, crate, drum, skid);
- (e) actual weight and dimensions of each piece type, including gross weight;
- (f) copy of the commercial invoice (in accordance with clause C2608C, section 4, of the Standard Acquisition Clauses and Conditions Manual) or a copy of the Canada Border Services Agency form CI1, Canada Customs Invoice;
- (g) Schedule B codes (for exports) and the Harmonized Tariff Schedule codes (for imports);
- (h) North American Free Trade Agreement Certificate of Origin (in accordance with clause C2608C, section 2) for the U.S. and Mexico only;
- (i) full details of dangerous material, as required for the applicable mode of transportation, signed certificates for dangerous material

as required for shipment by the International Maritime Dangerous Goods Code, or International Air Transportation Association regulations or the applicable Canadian Dangerous Goods Shipping Regulations and a copy of the Material Safety Data Sheet.

4. Following receipt of this information by Canada, Canada will provide the appropriate shipping instructions, which may include the requirement for specific consignee address labelling, the marking of each piece with a Transportation Control Number and customs documentation.

5. The Contractor must not ship goods before receiving shipping instructions from the DND Inbound Logistics contact.

6. If the Contractor delivers the goods at a place and time that are not in accordance with the given delivery instructions or fail to fulfil reasonable delivery instructions given by Canada, the Contractor must reimburse Canada any additional expenses and costs incurred.

7. If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

#### **B7. Data Requirement**

The Contractor must provide at no additional cost to Canada the deliverable data requirements detailed in ANNEX A for the Machine Gun Swing Mount project. Details on the format, contents and required dates of submission of the data items are contained at Appendix 5: Data Requirements.

#### **B8. Post-Contract Award/Progress Review Meeting(s)**

##### **1. Post-Contract Award Meeting**

A post-contract award meeting will be scheduled with representatives of Canada in accordance with article 3.2.1 of ANNEX A. This meeting shall provide a forum for the Contractor and the Canada to develop a Project Master Schedule (PMS) and a delivery schedule for contracted equipment. This is also to ensure that a fully detailed procedure are established for the work to be performed in accordance with the DND specifications provided and all other specifications referred to in this contract.

##### **2. Project Status Meeting**

Project Status Meeting will be held on a Quarterly basis at the Contractor's Facility in accordance with article 3.2.3 of ANNEX A.

Progress Review Meetings shall be held to review the total Contract status as of the review date, and to present the opportunity for the resolution of all current and unresolved issues known as of that date. Contractor's attendees at these meetings will, as a minimum, be its Contract (Project) Manager, Production Manager (Superintendent) and Quality Assurance Manager.

These review meetings shall mainly concentrate on management and contractual level issues and will generally incorporate technical meetings to be chaired by the Technical Authority.

### **3. Meeting Agendas**

The Contractor shall prepare and deliver a Meeting Agenda for each meeting.

### **4. Record of Decisions**

The Contractor shall appoint a person who is not a participant in the meeting to record the decisions during each meeting. These records shall be reviewed and approved at the end of the meeting and provided to all participants.

**All items in this Article B8 must be provided at no additional cost to the Contract.**

## **B9. Project Management and Office Services**

The Contractor shall perform at no additional cost, the Project Management Services and the administrative support and clerical work necessary to carry out the terms of this Contract with respect to the preparation, filing and transmission of all forms, reports, Data Requirements, minutes of meetings and correspondence, relating to the Requirement covered by this Contract. The provision of this clause shall be deemed to be work as defined 2030 (2013-06-27), General Conditions - Higher Complexity - Goods.

## **B10. Work Site Access**

Authorized representatives of Canada must have access to any site where any part of the Work is being carried out at any time during working hours to make examinations and such tests of the Work as they may think fit.

## **B11. Specifications**

The following specifications and publications must form part of this Contract whenever any work requirement exists that falls within the terms of these documents:

- a. D-LM-008-036/SF-000 - DND Minimum Requirements for Manufacturer's Standard Pack.
- b. D-02-002-001/SG-001 - Standard, Identification Marking of Military Property
- c. D-02-006-008/SG-001 - The Design Change, Deviation and Waiver Procedure (as applicable)
- d. MIL-STD-973- Configuration Management

## **B12. First-party losses only - with full Contractor indemnification of Crown against third-party claims**

1. Notwithstanding any other clause in the Contract but subject to the remaining provisions of paragraphs (1) and (2) of this clause, the Contractor's total cumulative liability to Canada for all losses or damage suffered by Canada as a result of all breaches of the Contractor's obligations under the Contract or the faulty carrying out of the Contract (including any such liability in tort, negligence or any other cause of action) shall be limited to \$1,000,000 CAD for losses or damage caused in any one year of carrying out of the Contract, each such year starting on the date of coming into force of the Contract or its anniversary]. The foregoing limitation shall not apply (a) to any breach of the repair or replacement or rework warranty obligations of the Contract or (b) to any breach of intellectual property rights that results in Canada losing in whole or in part the enjoyment of anything delivered under the Contract or (c) to any liability of Canada to a third party.
2. The Contractor agrees to indemnify and save harmless Canada, the Minister and their servants and agents from and against any claim, action, suit or other proceeding or any loss or damage for which they or any of them may be liable to another person arising out of the Contractor's faulty carrying out of or breach of the Contract, except that Canada and the Minister shall not claim such indemnity to the extent that the loss or damage has been caused by Canada. The Minister shall give notice to the Contractor of any such claim, action, suit or proceeding and the Contractor shall, to the extent requested by the Attorney General of Canada, at its own expense participate in or conduct the defence of the claim, action, suit or proceeding and any negotiations for settlement of the same with all reasonable assistance and co-operation by Canada, but the Contractor shall not be liable to indemnify Canada for payment of any settlement unless it has consented to the settlement.

## **SECTION C - FINANCE**

### **C1. Payment**

#### **1.1 Basis of Payment**

##### **1. Basis of Payment - Firm Price, Firm Unit Price(s) or Firm Lot Price(s)**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex B for a cost of \$ \_\_\_\_\_ (*amount to be inserted at contract award*) **Interim Spare Parts and Travel and Living Expenses excluded.** Customs duties are excluded and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

##### **2. Interim Spare Parts, Special Tooling, and additional work requirements (AWR) (if any) - Basis of Payment - Actual Costs**

The Contractor will be paid its costs reasonably and properly incurred in the performance of the Work, in accordance with pre-negotiated rates between Canada and the Contractor based on:

- a) costs computed in accordance with Contract Cost Principles 1031-2;
- and/or
- b) rates negotiated or approved for use by their respective national government, for the facility where the work is performed;

and a profit computed in accordance with Chapter 10, Cost and Profit, of the Supply Manual, Public Works and Government Services Canada.

and/or

- c) published price lists and/or
- d) market value

All prices and payments are subject to government audit.

Estimated Cost - Limitation of Expenditure: \$ *up to 10% of total contract value will be inserted after contract award through a formal amendment following price negotiations (GST/HST/QST extra, if applicable)*

##### **3. Travel and Living Expenses**

Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D

of the National Joint Council Travel Directive and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority.

All payments are subject to government audit.

Estimated Cost - Limitation of Expenditure: \$ \_\_\_\_\_ (GST/HST/QST) extra, if applicable

## 1.2 Limitation of Expenditure

Canada's total liability to the Contractor under the Contract must not exceed \$ \_\_\_\_\_. Customs duties are subject to exemption and Applicable Taxes are extra.

No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- (a) when it is 75 percent committed, or
  - (b) four (4) months before the contract expiry date, or
  - (c) as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,
- whichever comes first.

If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

## 1.3 SACC Manual Clauses

H1001C	2008/05/12	Multiple Payments
C2801C	2011/05/16	Priority Rating - Canadian Contractors
C2800C	2013/01/28	Priority Rating - U.S Contractor
C2610C	2007/11/30	Customs Duty - DND - Importer
C2608C	2012/07/16	Canadian Customs Documentation
C2000C	2007/11/30	Taxes - Foreign-based Contractor
C0101C	2010/01/11	Discretionary Audit - Non-commercial Goods Services ( <b>Interim Spare Parts, Special Tooling, AWR</b> )
D0050C	2007/05/25	End User Certificate

#### **1.4 Technical Data - Withholding of Payment**

If Technical Data (as defined in the clause of this Contract entitled "Data Requirement"), or any part thereof, specified to be delivered under this Contract, is not delivered within the time specified by this Contract or is deficient upon delivery (including having restrictive markings not specifically authorized by this Contract), Canada may, until such data is accepted by the Technical Authority, withhold payment to the Contractor of ten (10) percent of the total Contract Price or amount. Payments shall not be withheld nor any other action taken pursuant to this paragraph when the Contractor's failure to make timely delivery or to deliver such data without deficiencies arises out of causes beyond the control and without the fault or negligence of the Contractor.

After payments totalling ninety (90) percent of the total Contract Price or amount have been made to the Contractor and if all technical data specified to be delivered under this Contract has not been accepted, Canada may withhold from further payment such sum as it considers appropriate, not exceeding ten (10) percent of the total Contract Price or amount.

The release of the amounts withheld pursuant to this clause will be made upon delivery and acceptance of the data and upon submission of an invoice for the holdback by the Contractor.

#### **C2. Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - (a) The original and one copy to:  
  
National Defence Headquarters  
MGen George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, ON K1A 0K2  
Attention: TBD
  - (b) One (1) copy to:  
  
Department of Public Works and Government Services  
Acquisitions Branch  
Defence & Major Projects Sector  
Place du Portage, Phase III, 6C1  
Gatineau, Quebec K1A 0S5  
  
Attention: Pascale Brisard  
E-mail: [pascale.brisard@tpsgc-pwgsc.gc.ca](mailto:pascale.brisard@tpsgc-pwgsc.gc.ca)
  - (c) One (1) copy to: Consignee  
  
25 CFSD RECEIPTS SECTION  
6363 Notre Dame Est  
Montreal  
H1N 3V9

**ANNEX A**  
**REQUIREMENT**

**(See Attached  
81 pages)**

## ANNEX B

### BASIS OF PAYMENT

The contract funding may differ from the total evaluated price of the successful bid.

The following prices are in Canadian dollars, FCA - Free Carrier (Contractor's facility) as per Incoterms 2000 and the Goods and Services Tax, Quebec Sales Tax, or the Harmonized Sales Tax are extra, if applicable.

#### **ITEM 001, MGSM**

The Contractor will be paid the following firm unit price for a minimum quantity of 1793 units and up to an additional 207 option quantity, for the machine gun Swing Mount (MGSM) as per the Requirement at Annex "A" and its associated appendices and in accordance with the terms and conditions of the contract. **Interim Spare Parts, Special tooling and Travel and Living Expenses are excluded.**

	<b>A</b>	<b>B</b>		<b>C</b>
<b>Unit of Issue</b>	<b>Qty</b>	<b>Unit Price</b>	<b>Total</b>	<b>Extended Price</b>
Each	<i>A minimum Qty of 1793 units will be inserted at contract award.</i>		A X B =	

#### **ITEM 002 – Interim Spare Parts, Special Tooling and additional work requirements (if any)**

The Contractor will be paid the following pre-negotiated unit prices, in Canadian funds, FCA Free Carrier Loaded (Contractor's facility) as per Incoterms 2000 for its costs reasonably and properly incurred in the performance of the Work, based on:

- a) costs computed in accordance with Contract Cost Principles 1031-2; and/or
- b) rates negotiated or approved for use by their respective national government, for the facility where the work is performed;

and a profit computed in accordance with Chapter 10, Cost and Profit, of the Supply Manual, Public Works and Government Services Canada.  
and/or

- c) published price lists and/or
- d) market value

The Goods and Services Tax, Quebec Sales Tax, and the Harmonized Sales Tax are extra, if applicable.

All prices and payments are subject to government audit.

The Contractor certifies that the prices negotiated are based on costs computed in accordance with *Contract Cost Principles* 1031-2, and includes an estimated amount of profit of \$\_(TBD after contract award, through a formal amendment to the contract) \_\_\_\_.

AND/OR

Contractor certifies that the prices proposed are not in excess of the lowest price charged anyone else, including the Bidder's most favoured customer, for the like quality and quantity of the goods, services or both.

**Interim Spare Part and Special Tooling Price List**

Description	Part no.	Unit of Issue	Unit Price \$CAD	Quantity	Total Extended Price
Total for ITEM 002 =					

**ITEM 003 – Travel and Living Expenses**

If applicable, for meetings to be held at DND facility in Canada during the performance of the Contract, the Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority.

All payments are subject to government audit.

Estimated Cost - Limitation of Expenditure: \$ \_\_\_\_\_ (GST/HST/QST extra, if applicable)

**TOTAL LIMITATION OF EXPENDITURE UNDER THE CONTRACT**

Total Extended Price for Item 001        \$ \_\_\_\_\_  
Total Extended Price for Item 002        \$ \_\_\_\_\_  
Total Estimated Cost for Item 003        \$ \_\_\_\_\_

Total    \$ \_\_\_\_\_ (Applicable taxes are extra)

## ANNEX C

### FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with such request by Canada will also render the bid non-responsive or will constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit HRSDC-Labour's website.

Date: \_\_\_\_\_ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with HRSDC-Labour.

**OR**

☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to HRSDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to HRSDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.

**OR**

- ☐ B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

**ANNEX A**

**DEPARTMENT OF NATIONAL DEFENCE**

**REQUIREMENT**  
**(Statement of Work)**

**FOR**

**MACHINE GUN SWING MOUNT**

**Project Number: C.002524**

**FILE / NDID: W8476-134418 Rev. NR**

**August 2013**

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**ANNEX A  
REQUIREMENT  
(Statement of Work – SOW)  
FOR  
MACHINE GUN SWING MOUNT**

**1. SCOPE**

**1.1 Purpose**

This Statement of Work outlines the requirement for a turret mounted machine gun Swing Mount (MGSM) for Light Armoured Vehicle III (LAV III) 25MM Turrets.

**1.2 Background**

The MGSM plays a key role in dispersed operations, providing LAV III crews with heightened capability to effectively engage targets at a variety of directions and elevations, and doing so on the move and from the protection offered by the vehicle and its Exposed Crew Protection Kits (ECPK).

**1.3 Security Classification**

This document and technical requirement is unclassified.

**1.4 No Assigned.**

**1.5 Terminology**

**1.5.1 Abbreviations and Acronyms**

1.5.1.1 Reference Appendix 1 – List of Abbreviations and Acronyms.

**1.5.2 Machine Gun and abbreviation MG**

1.5.2.1 Within this SOW, the term Machine Gun and abbreviation MG refer to both the 7.62 mm C6 and the 5.56mm C9A2. Any reference to either the term or abbreviation implies a requirement for both weapons.

## **2. APPLICABLE DOCUMENTS**

### **2.1 Applicability**

#### **2.1.1 Documents, Specifications and Drawings**

2.1.1.1 The documents, specifications and drawings specified in this SOW are supportive of this SOW and of any appendices included herein. Second level references of any referenced publications are not applicable unless so stated in Section 3.0 of this SOW or its appendices.

## **3. REQUIREMENT**

### **3.1 General**

#### **3.1.1 The scope of work for this requirement shall consist of the:**

- 3.1.1.1 project management of the MGSM Project;
- 3.1.1.2 manufacturing of the MGSM;
- 3.1.1.3 provision of spare parts;
- 3.1.1.4 provision of an operators and maintenance documentation and data;
- 3.1.1.5 provision of technical and engineering data; and
- 3.1.1.6 packaging and shipping of deliverables.

### **3.2 Project Management**

#### **3.2.1 Project kick-off meeting.**

- 3.2.1.1 The Contractor shall conduct a project kick-off meeting with Canada within ten (10) calendar days after award of contract (AOC), at their primary manufacturing facility. This meeting shall provide a forum for the Contractor and the Canada to develop a Project Master Schedule (PMS) and a delivery schedule for contracted equipment.
- 3.2.1.2 The Contractor shall prepare a meeting agenda in accordance with Appendix 5: Data Requirements, Project Kick-Off Meeting – Agenda and Meeting CDRL 1001, DID-PM-01.
- 3.2.1.3 The Contractor shall prepare meeting minutes in accordance with Appendix 5: Data Requirements, Project Kick-Off Meeting – Minutes CDRL 1002, DID-PM-01.

**3.2.2 Project Master Schedule.**

- 3.2.2.1 The PMS shall identify project milestones, delivery dates and project task completion dates related to the delivery of the MGSM.
- 3.2.2.2 The Contractor shall prepare a finalized PMS and equipment delivery schedule in accordance with Appendix 5: Data Requirements, Project Master Schedule and Equipment Delivery Schedule CDRL 1003, DID-PM-02 and provide it to Canada within fifteen (15) calendar days after the project kick-off meeting.

**3.2.3 Project Status Meetings.**

- 3.2.3.1 These meetings shall consist of the Contractor providing Canada with an update of the current production run, delivery schedule, and any other issues that might impact the project and associated schedules. These meetings shall occur every quarter starting thirty (30) calendar days after AOC and are to be held at DND facility in Canada or at the Contractor's primary manufacturing facility or through tele-conference. Should any of these meeting be held in Canada, the Contractor shall be reimbursed at cost, without any allowance for profit and/or administrative overhead in accordance with the Basis of Payment at ANNEX B.
- 3.2.3.2 The Contractor shall prepare a meeting agenda in accordance with Appendix 5: Data Requirements, Project Status Meeting – Agenda and Meeting CDRL 1004, DID-PM-03.
- 3.2.3.3 The Contractor shall prepare meeting minutes in accordance with Appendix 5: Data Requirements, Project Status Meeting – Minutes CDRL 1005, DID-PM-03.

**3.2.4 Close-out meeting.**

- 3.2.4.1 This meeting shall occur thirty (30) calendar days after the delivery of the last contract deliverable item and shall provide close-out information on all categories of working group meetings which include but are not limited to, program, initial spares, and financial status. The Close-out meeting is to be held at DND facility in Canada or at the Contractor's primary manufacturing facility or through tele-conference. Should any of these meeting be held in Canada, the Contractor shall be reimbursed at cost, without any allowance for profit and/or administrative overhead in accordance with the Basis of Payment at ANNEX B.
- 3.2.4.2 The Contractor shall prepare a meeting agenda in accordance with Appendix 5: Data Requirements, Project Close-Out – Agenda and Meeting CDRL 1006, DID-PM-04.
- 3.2.4.3 The Contractor shall prepare meeting minutes in accordance with Appendix 5: Data Requirements, Project Close-Out – Minutes CDRL 1007, DID-PM-04.

### **3.3 Production and Design**

#### **3.3.1 Workmanship.**

3.3.1.1 The Contractor shall:

- a. it is competent to perform the Work;
- b. it has everything necessary to perform the Work, including the resources, facilities, labour, technology, equipment, and materials; and
- c. it has the necessary qualifications, including knowledge, skill, know-how and experience, and the ability to use them effectively to perform the Work.

3.3.1.2 The Contractor shall:

- a. perform the Work diligently and efficiently;
- b. except for Government Property, supply everything necessary to perform the Work;
- c. use, as a minimum, quality assurance procedures, inspections and controls generally used and recognized by the industry to ensure the degree of quality required by the Contract;
- d. select and employ a sufficient number of qualified people;
- e. perform the Work in accordance with standards of quality acceptable to Canada and in full conformity with the specifications and all the requirements of the Contract;
- f. provide effective and efficient supervision to ensure that the quality of workmanship meets the requirements of the Contract.

#### **3.3.2 No Assigned.**

#### **3.3.3 Request for Deviation (RFD).**

3.3.3.1 The Contractor shall submit to Canada a RFD if there are any changes requests to the approved design and production of the MGSM. The RFD shall be submitted in accordance with Appendix 5: Data Requirements, Request for Deviation CDRL 2001, DID-EN-01.

3.3.3.2 Canada will review the deviation and reserves the right to approve or reject the request. In the event that the request is rejected, the Contractor shall submit (an) alternative option(s) via a new RFD.

3.3.3.3 Only the Contracting Authority referenced in the Contract under section A2. Authorities, shall approved a RFD with the recommendation of the TA. The Contractor shall not

perform any deviations based on verbal or written requests or instructions from anybody other than the Contracting Authority.

**3.3.4 Material Change Notice (MCN).**

- 3.3.4.1 The Contractor shall submit to Canada a MCN if there are any changes to the approved materials of the MGSM. The MCN shall be submitted in accordance with Appendix 5: Data Requirements, Material Change Notice CDRL 2002, DID-EN-02.

**3.3.5 Material Safety Data Sheet (MSDS).**

- 3.3.5.1 The MSDS provides information and procedures on product stewardship and occupational safety and health in accordance with Section 13 of the Hazardous Products Act (R.S.C., 1985, c. H-3).
- 3.3.5.2 The Contractor shall provide an MSDS for the MGSM in accordance with Appendix 5: Data Requirements, Material Safety Data Sheet CDRL 2003, DID-EN-03.

**3.3.6 MGSM Bill of Materials (BOM) Listing.**

- 3.3.6.1 The BOM is a comprehensive list of all the piece parts of the MGSM broken down into their respective Line Replaceable Unit groupings allowing Canada the ability to quickly retrieve information on MGSM parts.
- 3.3.6.2 The Contractor shall provide an itemized listing, broken down into appropriate Line Replaceable Unit (LRU) sub-groupings, of all the piece parts which make up the MGSM in accordance with Appendix 5: Data Requirements, BOM Listing CDRL 3001, DID-CM-01.

**3.3.7 MGSM Hardware Breakdown Structure (HBS) Drawing.**

- 3.3.7.1 The HBS is a top level drawing of all the piece parts broken down into their respective LRU groupings for quick reference by Canada.
- 3.3.7.2 The Contractor shall provide top-level drawings of the MGSM indicating all the LRUs that make up the MGSM in accordance with Appendix 5: Data Requirements, HBS Drawing CDRL 3002, DID-CM-02.

**3.3.8 Equipment Name Plate Design.**

- 3.3.8.1 The MGSM identification plate shall be installed on every production before delivered to Canada and shall identify the equipment and provide a means to track and control the item.
- 3.3.8.2 Prior to include into the production of the MSGM, the Contractor shall provide an equipment name plate design for Canada for approval by Canada in accordance with Appendix 5: Data Requirements, Equipment Name Plate Design CDRL 3003, DID-CM-03.

### **3.4 Logistics**

#### **3.4.1 Drawing/Drafting Services.**

3.4.1.1 The Contract shall provide all drawings and documentation, where applicable, in a professionally recognized format and/or a Tagged Image File Format (TIFF).

### **3.5 Maintainability and Repairability**

#### **3.5.1 Interim Spare Parts**

3.5.1.1 The Contractor shall deliver two (2) years of initial spares for the MGSM as outlined in the Appendix 5: Data Requirements, Interim Spare Parts List (ISPL) CDLR 4005, DID-IL-05.

#### **3.5.2 Special Tooling and/or Test equipment**

3.5.2.1 Where special tooling and/or test equipment is suggested by the Contractor for maintenance purposes, the Contractor shall supply a top-level drawing, description and part number of the suggested special equipment for maintenance purposes as part of the spare parts provisioning listing, Appendix 5: Data Requirements, Interim Spare Parts List (ISPL) CDLR 4005, DID-IL-05.

## **3.6 Publications**

### **3.6.1 General.**

- 3.6.1.1 All publication deliverables in this section shall be delivered to the TA for initial review and/or approval. Canada shall have a period of fifteen (15) calendar days to provide the Contractor with comments and/or approval on the deliverables.
- 3.6.1.2 The MGSM shall be fielded with a bilingual (English and French) DVD-based Multi-Media trainer that will allow the operators and maintainers to train on and troubleshoot the MGSM system. This material will provide instructions on the proper, effective, and safe use and repair of the MGSM. The Contractor shall provide Canada with the Multi-Media based trainer in accordance with Appendix 5: Data Requirements, Operator and Maintenance DVD Bilingual Multi-Media Training CDRL 4001 DID IL-01.
- 3.6.1.3 All final publication deliverables shall be bilingual (English and French) and media shall be in both hard and electronic copy using Microsoft Office formats.

### **3.6.2 Supplemental Provisioning Technical Documentation (SPTD).**

- 3.6.2.1 The SPTD is required for NATO codification purposes and shall be provided by the Contractor for each down part in accordance with Appendix 5: Data Requirements, Supplementary Provisioning Technical Documentation CDRL 4002 DID IL-02.
- 3.6.2.2 Where the information for a down part is not available, a catalogue description (containing adequate identification details) or a photograph or sketch with descriptive text may suffice at the discretion of the TA.
- 3.6.2.3 A SPTD is not required for items that already have a NSN or are identified by a Canadian or US government specification or standard that completely describes the item (including dimensional, mechanical and electrical characteristics).

### **3.6.3 Comprehensive Operator Manual.**

- 3.6.3.1 The comprehensive operator manual is a concise guide detailing all the features, checks, and steps required by an operator to properly operate the MGSM.
- 3.6.3.2 The comprehensive operator manual provides direction and information to the operators on how to properly and safely operate an MGSM.
- 3.6.3.3 The Contractor shall provide the manual in accordance with Appendix 5: Data Requirements, Comprehensive Operator Manual CDRL 4003 DID IL-03

### **3.6.4 Comprehensive Maintenance Manual with Illustrated Parts List (IPL).**

- 3.6.4.1 The comprehensive maintenance manual is a concise guide detailing the trouble shooting steps for all possible failures and corresponding repair procedures. The IPL provided a quick reference for the maintainer to quickly identify and locate the affected MGSM part(s) for servicing.

3.6.4.2 The comprehensive maintenance manual with IPL shall provide direction and reference to operators on how to properly and safely upkeep and conduct maintenance on the MGSM throughout its life cycle.

3.6.4.3 The Contractor shall provide the comprehensive maintenance manual in accordance with Appendix 5: Data Requirements, Comprehensive Maintenance Manual with IPL CDRL 4004 DID IL-04

### **3.6.5 Interim Spare Parts List (ISPL).**

3.6.5.1 The ISPL is used to identify the spare parts and associated quantities that will be sufficient to procure to support the equipment for the first two (2) years of use from the date of the MGSM delivery.

3.6.5.2 The Contractor shall provide the ISPL in accordance with Appendix 5: Data Requirements, Interim Spare Parts List CDRL 4005 DID IL-05.

## **4. DELIVERABLES**

### **4.1 General**

#### **4.1.1 Acceptance**

4.1.1.1 All deliverables detailed in section 3 is subject to review and approval by the TA.

4.1.1.2 Equipment hardware deliverables shall be delivered to 25 Canadian Forces Supply Depot (CFSD) Montreal, Canada. The received goods will be inspected by a Canadian Forces Quality Assurance Representative (CFQAR) before acceptance into the Canadian Forces Supply System (CFSS).

#### **4.1.2 Delivery of Reports and Publications**

4.1.2.1 Reports and Publications shall be delivered to the TA or as per the Contract Data Requirements List (CDRL) instructions.

#### **4.1.3 Hardware Deliverables.**

Serial	OEM Part Number	Deliverables	Qty	Unit of Issue	Remarks
1	TBD	Machine Gun Swing Mount Assembly	Min 1793 Max 2000	Each	
2	TBD	Maintenance equipment (Special Tooling and/or test equipment)	TBD	Lot	If required for 1 <sup>st</sup> line Maintenance only
3	TBD	Interim Spare Parts	1	Lot	10% or 2 yrs Qty

#### **4.1.4 Data Item Deliverables**

- 4.1.4.1 DID and CDRL deliverables are detailed in Appendix 5: Data Requirements, CDRLs and DIDs Listing.

## APPENDIX 1: LIST OF ABBREVIATIONS AND ACRONYMS

### List of Terminology

Term	Description
AECTP	Allied Environmental Conditions Testing Publication
AFV	Armoured Fighting Vehicle (BISON, LAV 25, LAV III, M113LE, CCV)
AOC	Award of Contract
AWR	Additional Work Requirement
BOM	Bill of Materials
C6	C6, 7.62mm Machine Gun
C9A2	C9A2, 5.56mm Machine Gun
CA	Contract Authority
CARC	Chemical Agent Resistant Coating
CBRN	Horizon-One Chemical Biological Radiological and Nuclear
CW	Clockwise
CCW	Counter Clockwise
CDRL	Contract Data Requirements List
CFQAR	Canadian Forces Quality Assurance Representative
CFSD	Canadian Forces Supply Depot
CFSS	Canadian Forces Supply System
CFTO	Canadian Forces Technical Order
DID	Data Item Deliverable
DND	Department of National Defence (Canada)
DVD	Digital Versatile Disc
ECPK	Exposed Crew Protection Kit
FOV	Family Of Vehicles
HFE	Human Factors Engineering (MMI, Man-Machine Interface term)
HBS	Hardware Breakdown Structure
IAW	In Accordance With
IPE	Individual Protective Equipment
IPL	Illustrated Parts List
IRR	Infrared Reflective coating
ISO	International Standards Organization
ISPL	Interim Spare Parts List
LAV III	Light Armoured Vehicle III
LAV III ISC	Light Armoured Vehicle III Infantry Section Carrier
LRU	Line Replaceable Unit

<b>Term</b>	<b>Description</b>
MCN	Material Change Notice
MG	Machine Gun
MGSM	Machine Gun Swing Mount
MIL-STD	Military Standard
MSDS	Material Safety Data Sheet
NCAGE	Commercial And Government Entity Code
NATO	North Atlantic Treaty Organization
NDID	National Defence Index of Documentation
NLT	No Later Than
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
PA	Procurement Authority
PPE	Personal Protective Equipment
PMO	Project Management Office
PMS	Project Master Schedule
POL	Petroleum, Oil & Lubricants
RA	Requisitioning Authority
SOW	Statement of Work
RFD	Request for Deviation
SPTD	Supplementary Provisioning Technical Documentation
STANAG	Standardization Agreement (NATO)
TA	Technical Authority
TIFF	Tagged Image File Format
WES	Weapons Effect Simulation
WLAV	Wheeled Light Armoured Vehicle 25 MM

**APPENDIX 2: MGSM - OPERATIONAL REQUIREMENTS AND TECHNICAL  
SPECIFICATIONS**

**Project Number: C.002524**

**FILE / NDID: W8476-134418 Rev. NR**

**August 2013**

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## 1. General Document Information

### 1.1 Purpose

- 1.1.1 This appendix outlines the requirement for a Machine Gun Swing Mount (MGSM) for the turret crews and rear sentries of the in-service Armoured Fighting Vehicles (AFV) fleet.
- 1.1.2 This System Specification provides a requirements description of the MGSM. Key elements of this document include a general description of the MGSM and its intended use and functions. This text provides the specifications detailing the operational performance and technical requirements for employment on the Light Armoured Vehicle III (LAV III).

### 1.2 Requirements Classification

- 1.2.1 **Essential requirements.** All requirements in this Specification are deemed to be essential requirements that must be met by the system unless otherwise stated. The words "must" or "shall" specifically identifies an essential requirement.
- 1.2.2 **Terminology**
- 1.2.3 **Interpretation of "Shall".** In this specification the use of the word "Shall" denotes requirements that the MGSM must meet. Use of the word "Will" denotes actions expected to take place in the future by Canada.

## 2. Document References

The following documents, specifications and drawings specified in this section by references are supportive of this SOW and of any appendices included herein. These Second level references of any referenced publications are not applicable unless so stated in Section 3.0 of this SOW or its appendices.

### 2.1 DND Standards, Specifications and Documents

NDID	Title	Latest Revision Date
D-02-002-001/SG-001	Standard, Identification Marking of Military Property	2003-04-01
DCIEM 98-CR-15	Anthropometric Survey of the Canadian Forces	1998

### 2.2 US Military Specifications and Standards

Document Number	Title	Latest Revision Date
MIL-HDBK-2036,	PREPARATION OF ELECTRONIC EQUIPMENT SPECIFICATIONS	1999-11-01
MIL-STD-810G	Environmental Engineering Considerations and Laboratory Tests	2008-10-31
MIL-STD-1474D	Noise Limits	1997-02-12

Document Number	Title	Latest Revision Date
MIL-STD-464C	Electromagnetic Environmental Effects for Systems	2010-12-11
FED-STD-595C	Colors Used in Government Procurement	2008-01-16
TOP 3-2-609	Chemical Compatibility Of Non-metallic Materials Used In Small Arms Systems	1999-02-12

## 2.3 NATO Specifications and Standards

Document Number	Title	Latest Revision Date
NATO STANAG 4370	Environmental Testing	2008-02-15
NATO STANAG 4050	Symbols Designating Function of Controls in Military Vehicles.	1991-07-19
AECTP 230 (Edition 1)	Climatic Conditions	2009-05

## 2.4 ISO Standards

ISO Number	Title	Latest Revision Date
2575:2010	Road Vehicles, Symbols for Control, Indicators and Tell-Tales	2010-07-01
7000:2012	Graphical Symbols For Use On Equipment -- Registered Symbols	2012-01-25
AECTP 300 (Edition 3)	Climatic Environmental Tests	2006-05-18

## 3. Requirement

### 3.1 General

3.1.1 This Specification outlines the requirement for a MGSM which has been designed, tested and trialed on an in-service military vehicle.

3.1.2 **Material.** The material and design shall be resistant to vehicle vibration, rugged terrain shock, and environmental humidity conditions in accordance with MIL-STD-810G and NATO STANAG 4370, and detailed in Appendix 6: Environmental and Vibration Requirements.

### 3.1.3 Environmental and Vibration Requirements

#### 3.1.3.1 Operating Environment:

a) The MGSM assembly shall operate effectively and not be degraded in environmental conditions as detailed in Allied Environmental Conditions Testing Publication (AECTP) 230 Climatic Conditions (edition 1), conditions A1 (49°C) through C2 (-46°C but only up to a maximum of -40°C) in accordance with MIL-STD-810G as detailed in Appendix 6: Environmental and Vibration Requirements.

b) The MGSM shall meet all stated performance requirements while remaining fully operable and without physical damage during and after exposure to any combination of the ambient and induced climatic and environmental conditions identified in Tables 1, 2 and 3 of Appendix 6.

#### 3.1.3.2 Acceptance

First production batch sample testing at DND's discretion

#### 3.1.3 **Interface Requirements.** The MGSM shall:

- 3.1.3.1 be capable of being installed on a LAV III Infantry Section Carrier (ISC);
- 3.1.3.2 be capable of mounting the C9A2, 5.56mm, and the C6, 7.62mm (in both the spade grip and butt assembly configurations) Machine Guns (MG), but not simultaneously, as applicable;
- 3.1.3.3 offer a stable platform permitting the flexible employment, without limitations, of these two MGs;
- 3.1.3.4 not interfere with the functioning of any ancillary mounting rails on either weapon; and
- 3.1.3.5 be designed such that the usability requirements will accommodate the 5 – 95<sup>th</sup> percentiles of the current Canadian Forces user population, both male and female, in accordance with DCIEM 98-CR-15, in individual protective ensembles (IPE) with a tactical load carrying vest, and Horizon-One Chemical Biological Radiological and Nuclear (CBRN) environmental clothing and equipment. IPE will include: the in-service ballistic helmet, ballistic eyewear, fragmentation vest with strike plate (neck guard and brassards installed), and cold weather arctic style gloves. The CBRN environmental clothing and equipment will include: the protective suit, over-boots, gloves and the in-service CBRN respirator.

#### 3.1.4 **Design.** The MGSM design shall:

- 3.1.4.1 be such that all aspects of the operation and maintenance of the equipment/systems can be carried out by personnel safely and comfortably while wearing their IPE with tactical load carrying vest and CBRN environmental equipment in desert, tropical warm weather, and arctic winter conditions;
- 3.1.4.2 be resistant to repeated gunfire shock as per Appendix 6: Environmental and Vibration Requirements;
- 3.1.4.3 not hinder or impede the operation of the mounted MG as per the Appendix 7: User Trials MG Handling Drills, in comparison to its dismounted operation;
- 3.1.4.4 minimize environmental contamination/effluence when washed in accordance with the Manufacturer's instructions; and
- 3.1.4.5 not contain Prohibited Materials in accordance with MIL-HDBK-2036, Section 4.12.1. The materials used in the fabrication of the MGSM must not contain any toxic, carcinogenic materials or ozone depleting substances in accordance with the Toxic Materials List provided by the Globally Harmonized System and the Canadian Centre for Occupational Health and Safety (CCOHS).

## **3.2 Physical Configuration**

- 3.2.1** The MGSM shall be mounted on the LAV III ISC, utilizing the existing interface mounting plate in accordance with Appendix 4 - Weldment Plate, Pintle-mount diagram.
- 3.2.2** The overall weight of the MGSM, excluding the weapon and ammunition, shall not exceed 25 kg.
- 3.2.3** The MGSM stowed height, shall not exceed 350 mm from the bottom of the mounting plate to the MG locking pin at 0° elevation.
- 3.2.4** The MGSM shall be installed without requiring modifications to the MG.
- 3.2.5** The design and mounting height of the MGSM shall be elevated sufficiently for the installed MG, the MGSM mechanism, and any ancillary components, such as ammunition boxes, control surfaces, or adjustment knobs or levers, to operate throughout its range of movement, clear and obstacle free from the turret ECPK and LAV III vehicle mounted obstacle, in accordance with Appendix 3 – Pictures and Diagrams, Figure 1 to 4.
- 3.2.6** The MGSM shall resist environmental contamination and degradation (Water/Ice, Corrosion, Dust, Solar Radiation) as per Appendix 6: Environmental and Vibration Requirements.
- 3.2.7** The MGSM shall resist petroleum, oil, and lubricant (POL) contamination, in accordance with AECP 300 Method 314 and TOP 3-2-609.
- 3.2.8** The MGSM shall be designed to ensure that extreme environmental or operational conditions defined and illustrated in MIL-STD-810 G and NATO STANAG 4370, such as temperature, precipitation (liquid, freezing, frozen), blowing dust/sand, humidity, vibrations, and pressure, does not degrade the MGSM's performance to the extent that it would no longer meet the specifications stated herein.
- 3.2.9** The MGSM shall be painted green in accordance with Federal Standard 595C chip 34094, with a chemical agent resistant coating (CARC) and infrared reflective (IRR) coating,
- 3.2.10** The installation of the MGSM on the LAV III shall be performed using only commercially available common hand tools.
- 3.2.11** The MGSM shall have bilingual (English and French) decals and data plates marked in metric units and international symbols in accordance with ISO 2575:2010 - Road Vehicles, Symbols for Control, Indicators and Tell-Tales, and ISO 7000:2012 - Graphical Symbols For Use On Equipment - Registered Symbols; and D-02-002-001/SG-001 - Standard, Identification Marking of Military Property.
- 3.2.12** Warning or precautionary decals and data plates shall be provided where necessary to protect personnel or equipment.
- 3.2.13** The MGSM shall be compliant with the electrical bonding requirements of MIL-STD-464C, Section 5.11 and shall not exceed the following conditions:
  - 3.2.13.1** bonding resistance across its mounting interface of 2.5 mΩ (micro Ohms) or less; and
  - 3.2.13.2** total bonding resistance of any component of the MGSM and the surface to which it is mounted shall be ten (10) mΩ or less.

### **3.3 Performance**

- 3.3.1** The MGSM shall provide a stable firing platform that will allow the operator to engage targets in a wide range of arcs and elevations with and without the ECPK installed.
- 3.3.2** The MGSM engaged height, with any height adjustment component on its lowest setting, shall not exceed 450 mm from the bottom of the mounting plate to the MG locking pin at 0° elevation
- 3.3.3** The MGSM shall be adjustable from at most 450mm to at least 600 mm from the bottom of the mounting plate to the MG locking pin at 0° elevation in secured increments of twenty-five (25) mm or less. The MGSM shall comply with all requirements of this Specification throughout this range of heights.
- 3.3.4** The MGSM shall elevate to +75 degrees (1333 mils) and depress to -10 degrees (889 mils) from the horizontal, as a minimum.
- 3.3.5** The MGSM shall have an override mode where the elevation can depress to -50 degrees from the horizontal, as a minimum.
- 3.3.6** The MGSM shall be capable of traversing 135 degrees (2400 mils) clockwise (CW) and 125 degrees (2200 mils) counter-clockwise (CCW) from the vehicle forward center position. The MGSM shall comply with all requirements of this Specification throughout this arc.
- 3.3.7** MGSM shall have the capacity of being controlled from multiple points. When installed on a turret, both the Gunner, in the left turret seat, and the Crew Commander, in the right turret seat, must be able to employ the MGSM.
- 3.3.8** The MGSM shall allow both operators to engage a man-sized target (1.75m height) at a minimum distance of two (2) meters from the front and right side of the vehicle, and five (5) meters to the left of the vehicle.
- 3.3.9** Not Assigned.
- 3.3.10** All MGSM operations, installation mechanisms, adjustments, and locks shall be safely hand-operable, with and without cold weather arctic style gloves, by left and right handed operators.
- 3.3.11** The MGSM design shall allow the operator to install the weapon types: C6 and C9A2 MG, with no tooling, while wearing cold weather arctic style gloves.
- 3.3.12** The MGSM shall allow the operator to install a MG in one (1) minute or less, and remove the MG in one (1) minute or less without tools, in conditions A1 and C2 as per AECTP 230. The MG shall be mounted and locked in place on the MGSM without the aid of tooling.
- 3.3.13** The MGSM shall permit the operator to load and unload his or her choice of a 5.56mm or 7.62mm NATO Standard ammunition container (Appendix 3: Pictures and Diagrams, Fig. 7 and Fig. 8) or loose links while the MG is mounted. No special tooling shall be required.
- 3.3.14** The MGSM shall permit all drills outlined in Appendix 7: User Trials MG Handling Drills, to be performed while either MG is mounted on the MGSM. No special tooling shall be required. All controls and interface surfaces shall be operable while wearing cold weather arctic style gloves.

- 3.3.15** The MGSM shall allow the use of Weapon Effect Simulation (WES) instrumentation on its mounted weapon. Dimensions and mounting locations for the WES system are detailed in Appendix 3: Pictures and Diagrams, Fig. 5 and Fig. 6.
- 3.3.16** No MGSM part shall interfere with or detract from the MG installation, removal or operational procedures.
- 3.3.17** The MGSM shall have a travel position locking system, both for security and to prevent damage to either personnel or equipment during road and off-road travel and uncontrolled movement. Any actuators or lock mechanisms must be shielded or out of the way to prevent accidental release.
- 3.3.18** The MGSM shall be designed to minimize Human Factors Engineering (HFE) pinch-point hazards to personnel. Where hazards exist due to design requirements, they shall be labelled as hazards and indicated as such per NATO STANAG 4050 and in all provided publications.
- 3.3.19** The MGSM's level position and/or balance with either MG mounted shall remain constant throughout the mount's range of movement.
- 3.3.20** The MGSM shall be designed such that, with travel lock(s) removed, the operational movement in both planes shall be accomplished without tension or strain when operated by only one arm (left and right).
- 3.3.21** A one-man operator shall not require more than ten (10) minutes to conduct the Original Equipment Manufacturer (OEM) defined pre-operation checks and no more than ten (10) minutes for the post-operation checks. The OEM defined weekly inspections shall not exceed twenty (20) minutes. This applies to an MGSM with no weapon installed.
- 3.3.22** The MGSM design shall permit operator and technician maintenance tasks to be performed while wearing full Personal Protective Equipment (PPE). PPE will include approved workshop eye/face protection, gloves, head protection, feet protection, and body protection.
- 3.3.23** The MGSM shall not exceed the Level II non-detectability limits of MIL-STD-1474D at a maximum distance of 30 meters.

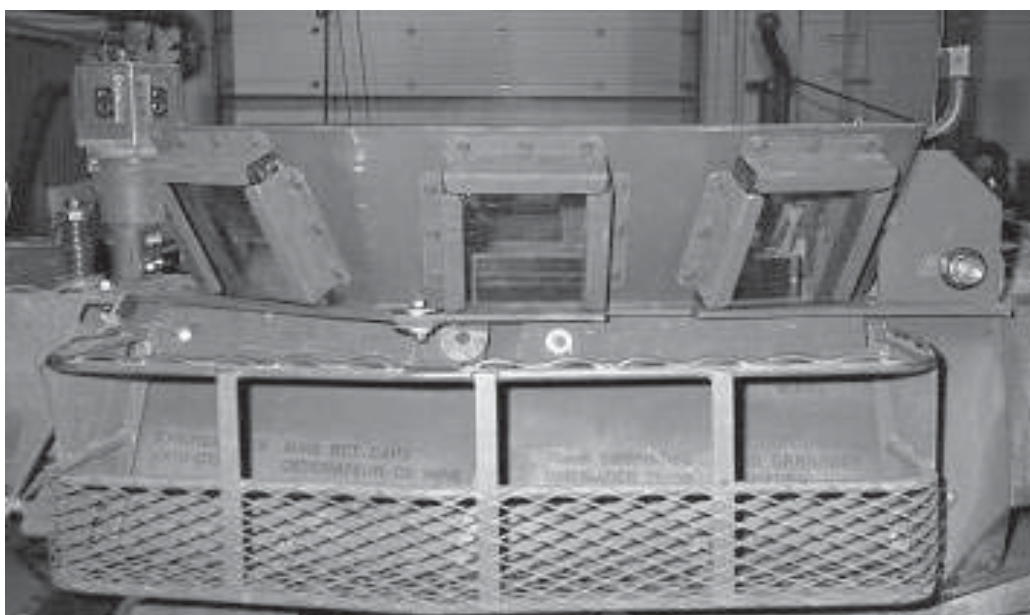
### **3.4 Maintainability and Repairability**

- 3.4.1** The MGSM shall be repairable in the theatre of operation by first line maintenance.
- 3.4.2** The MGSM shall allow for routine maintenance and servicing of its components, without impairment of its operational effectiveness.
- 3.4.3** The MGSM shall be designed such that major assemblies and components can be rapidly replaced using commercially available common tools and equipment.
- 3.4.4** The repair and replace tasks on any LRU shall be less than one (1) hour for one (1) technician, wearing PPE with standard tools.
- 3.4.5** All modifications and improvements must have minimal impacts to the environment. Canadian Armed Forces policy and relevant environmental legislation must be followed. Environmentally damaging materials such as polychlorinated biphenyls (PCB) and chlorofluorocarbons (CFC) must not be used in the construction, retrofit and improvement of the MGSM.

### APPENDIX 3: PICTURES AND DIAGRAMS

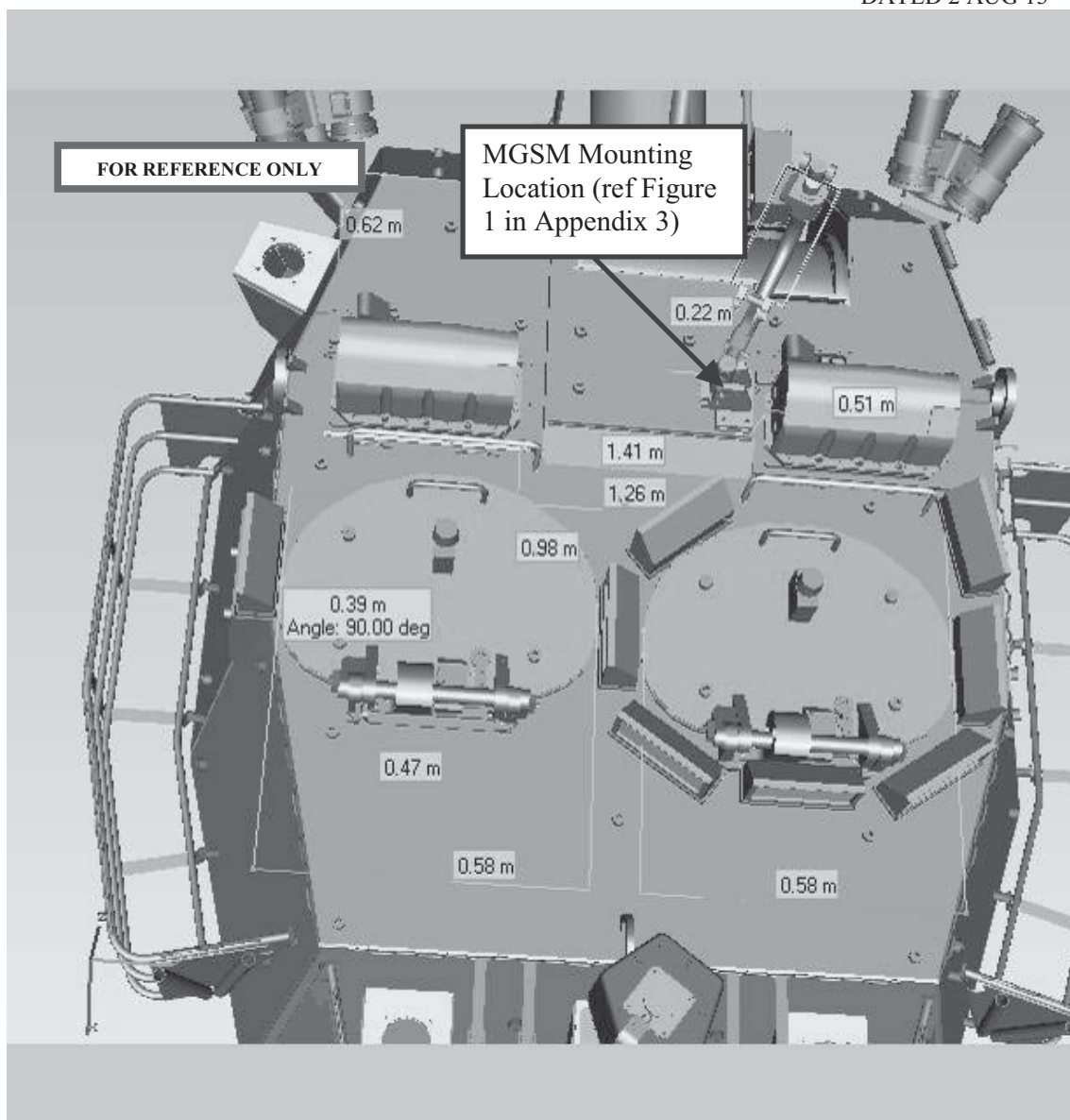


**Figure 1 - Bare Turret Line**

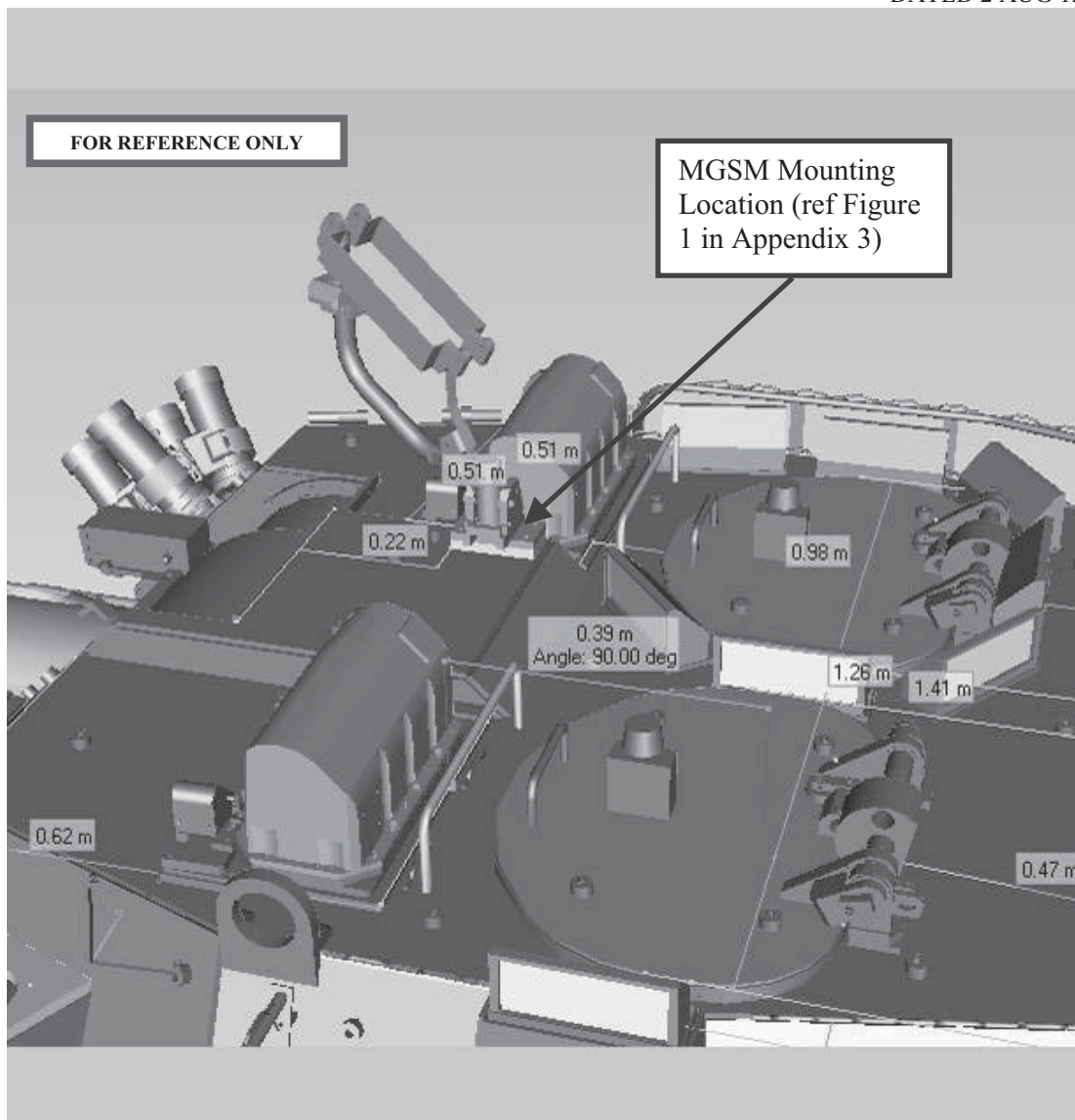


30.5 cm  
(12.0 in) from  
mounting surface

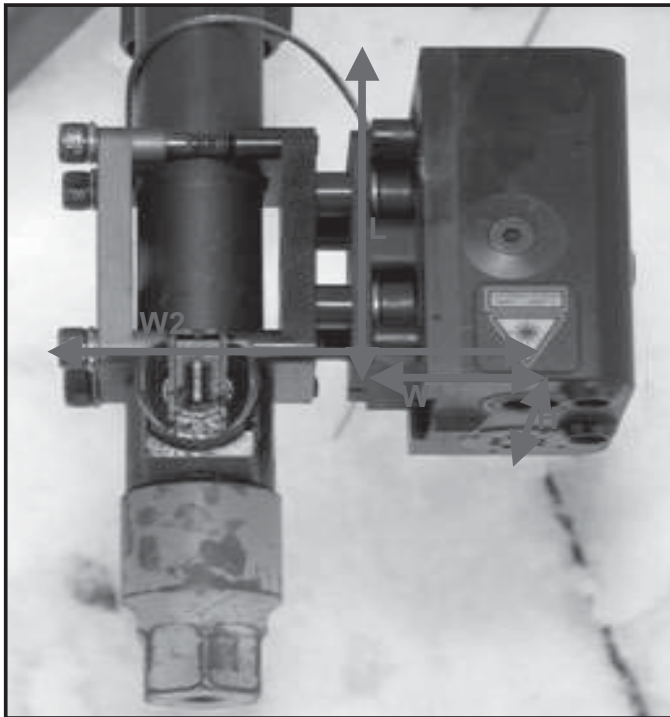
**Figure 2 – ECPK height over Turret roofline**



**Figure 3 – Top view of Turret**



**Figure 4 – Side View of Turret**



C6 GPMG (millimetres)

H - 60.10 mm

L - 70.04 mm

W1 - 36.09 mm

W2 - 97.80 mm

**Figure 5 – C6 GPMG WES Mount**

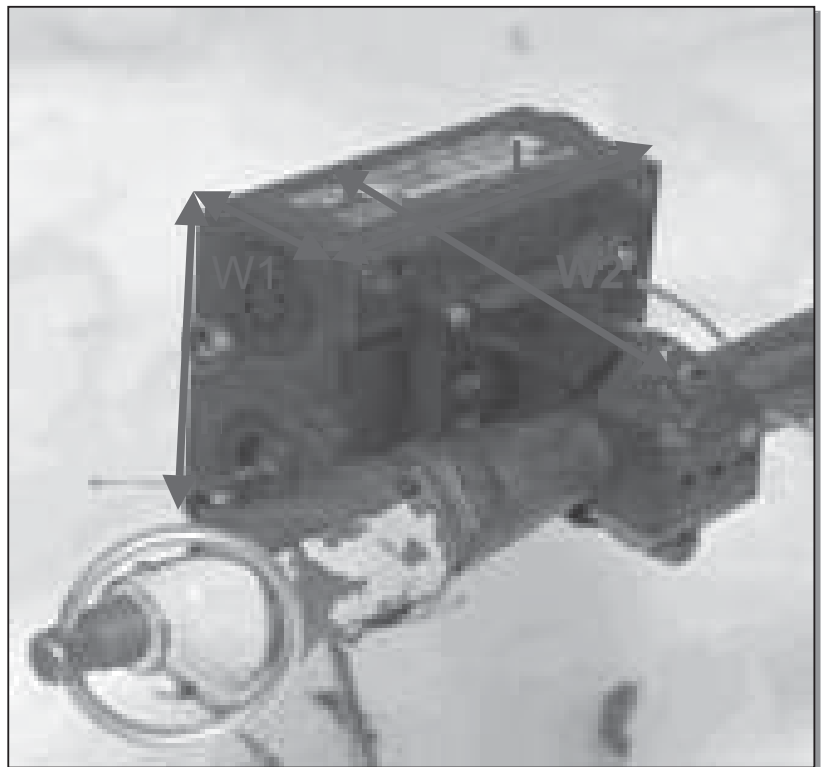
C9 LMG (millimetres)

H - 60.13 mm

L - 70.03 mm

W1 - 36.12 mm

W2 - 82.84 mm



**Figure 6 – C9 LMG WES Mount**

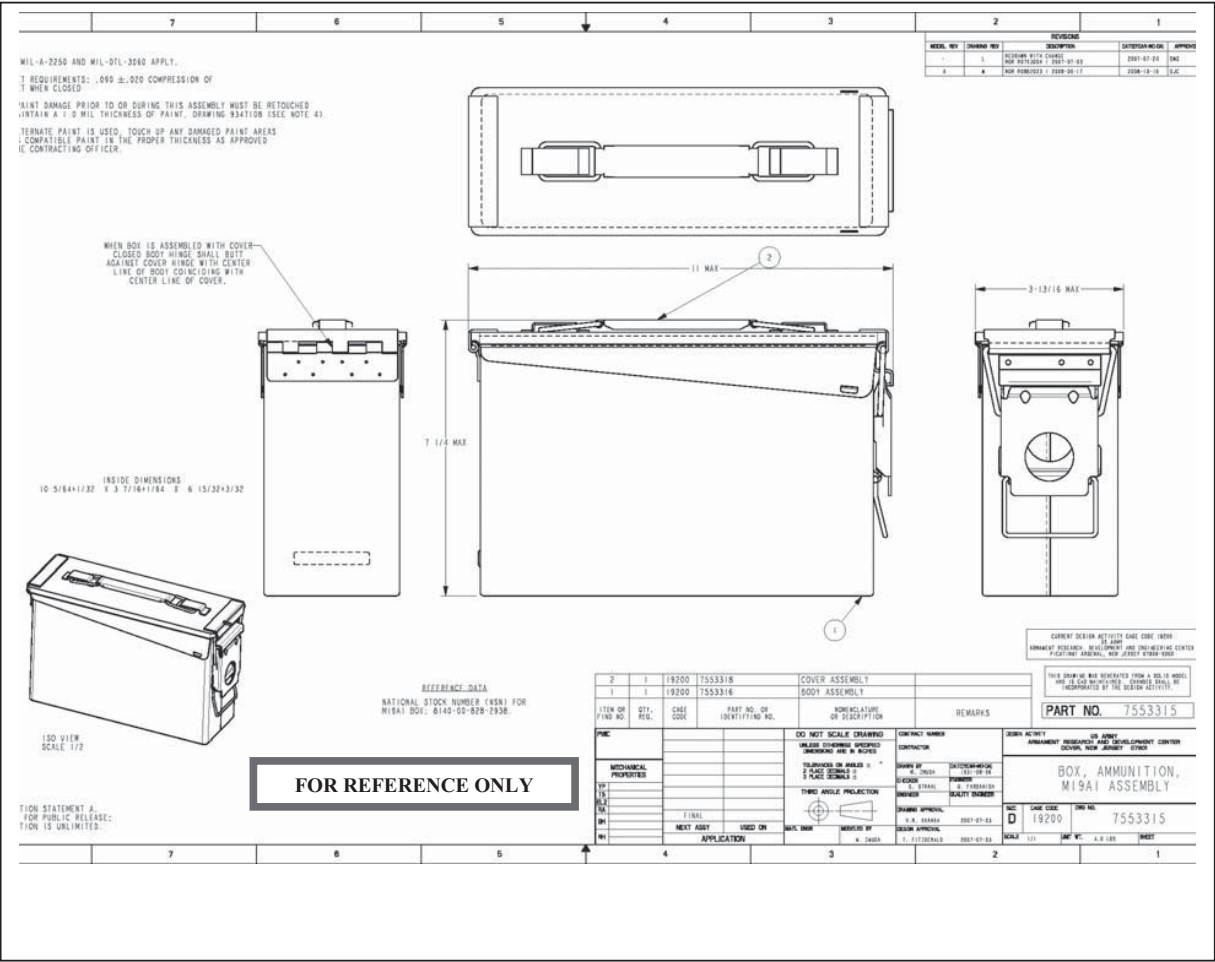
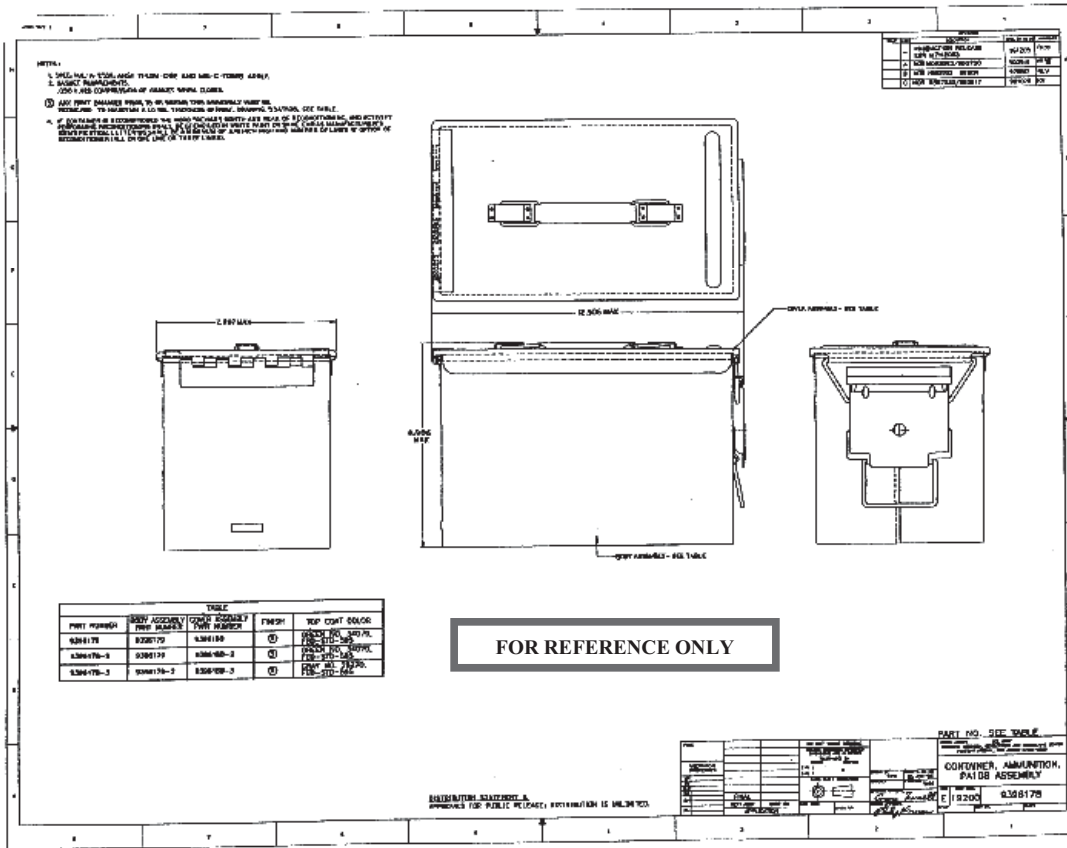
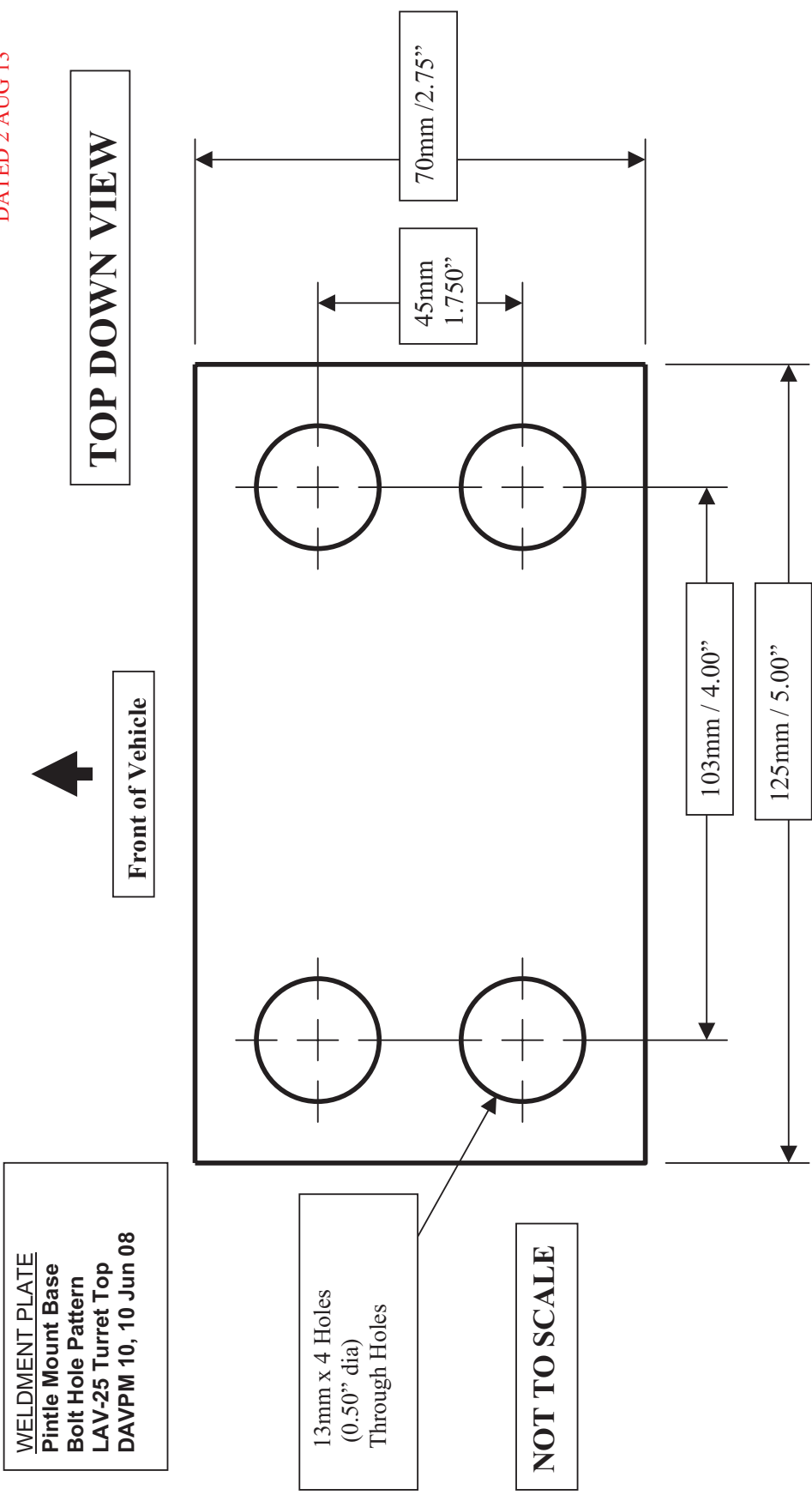


Figure 7 – NATO Ammo Box C6

APPENDIX 3  
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### Figure 8 – NATO Ammo Box C9.2



**NOTES:**

1. Current attaching block is 12.7mm / 0.50" thick, using:

- 4x Bolts P/N MS90725-60
- 4x Lock Washers P/N MS35338-46

2. Tolerances +/- 0.5mm, +.006 -.002"

**Figure 1 - Existing Vehicle Pintle 4-Bolt Mount**

## APPENDIX 5: DATA REQUIREMENTS

### 1.0 INTERPRETATION

#### 1.1 Interpretation

The Contract Data Requirements List (CDRL) contains all the deliverable data requirements for the Machine Gun Swing Mount (MGSM) project which can be found in Annex A - Statement of Work. Details on the formats and contents of the data items are contained in the Data Item Description (DID). The CDRL is also known as a Department of National Defence (DND) form 1413.

#### 1.2 Precedence

The requirements in Blocks 7 through 16 of the CDRL - DND form 1413 supersedes any such requirements that may be specified in the associated DID.

#### 1.3 Acceptance of Data

##### Delivery Instructions

All data deliverable must be submitted electronically to the Office of Primary Interest (OPI) indicated in Block 14 - CDRL - DND Form 1413. The data must be prepared in a Canada approved format and accessible in electronic format using software currently used by Canada. The relevant electronic mail addresses will be provided at the time the Contract is awarded.

##### Acknowledgement

Canada will acknowledge receipt of all data deliverables compliant with the required format within five (5) calendar days. Non-compliant deliverables will be returned to the Contractor for correction and resubmission. In the event where no acknowledgement is received within the fifteen (15) calendar days period, the Contractor must confirm the receipt of the submitted data deliverable. The acknowledgement of receipt of a given data deliverable does not constitute acceptance of the contents.

##### Approval Requirements

When approval of a data deliverable is required, Canada will provide approval or rejection within:

- a. Fifteen (15) calendar days from the receipt of the deliverable; or
- b. As mutually agreed.

##### Approval Requirements

When approval is necessary, a duly authorized and signed covering letter must be faxed or sent through regular mail. This covering letter must contain the exact reference to:

- a. Date/time of the e-mail;
- b. E-mail recipients;
- c. Contract Number;
- d. CDRL / DID Number; and
- e. Title of the document/report.

##### Rejection

Upon rejection of any data deliverable, Canada will provide rationale for rejection and will provide requirements for the subsequent submission. The Contractor is allowed fifteen (15) calendar days from the receipt of the rejection to make corrections and resubmit the data deliverable. After receiving the updated data deliverable, Canada will review and provide approval or rejection of the new submission within fifteen (15) calendar days. If at

the end of two (2) rework cycles, the data deliverable is still not considered acceptable the issue will be addressed through the quarterly status review meeting DID-PM-03.

#### Failure to Respond

Failure by Canada to respond within the time limits specified in paragraphs 1.3.3 – Approval Requirements and 1.3.5 – Rejection will result in the release of any associated payment with that data deliverable; however, it will not release the Contractor from its obligation to complete the work satisfactorily.

#### 1.4 Acronyms

The following is a list of acronyms that may be found in the Contract Data Requirements List:

ANNLY	Annually (once every year)
ASGEN	As Generated
ASREQ	As Required
BI-MO	Bi-Monthly (once every two months)
DAC	Days After Contract effective date
n DAC	number of days after effective date
n MAC	number of months after effective date
EOC	end of contract
EOM	End Of (calendar) Month
EPAR	End-Product Acceptance Review
FAU	First Article Unit
MTHLY	Monthly
OTIME	One Time only
QRTLY	Quarterly (every three calendar months)
R/ASR	Revised As Required
SEMIA	Semi-Annual (once every six months)
XDALD	(calendar) Days After Last Delivery

#### 2.0 CONTRACT DATA REQUIREMENTS FORM BLOCK DESCRIPTIONS

This section identifies the description of the information found in each numbered block of the CDRL - DND form 1413.

##### 2.1 Block A – Annex Description

The Annex Description identifies the annex (and appendix if applicable) designation with respect to the Contract.

##### 2.2 Block B - Contract / RFP Number

The Contract / RFP Number identifies the Contract or Request For Proposal for which the CDRL.

##### 2.3 Block C - Sow Identifier

The Sow Identifier identifies the Statement Of Work for which the CDRL applies.

##### 2.4 Block D - Data Category

The Data Category block identifies the general category of the data for which the CDRL applies. If the data applies to more than one category, then the block will read "N/A" or will be left blank.

2.5 **Block E – System/Item**

The System/Item block identifies the name of the System or Item for which the CDRL applies.

2.6 **Block F - Contractor**

The Contractor block identifies the Contractor responsible for the delivery of the CDRL.

2.7 **Block 1 - Item Number**

The Item Number is a sequential four-digit number commencing with X001 to uniquely identify the individual entry. Where X is represented as follows:

1XXX	Project Management
2XXX	Engineering
3XXX	Configuration Management
4XXX	Integrated Logistics Support

2.8 **Block 2 - Title or Description of Data**

The title of the DID.

2.9 **Block 3 - Subtitle**

To be used if the title requires further identification, enter subtitle.

2.10 **Block 4 - Data Item Number**

The DID number.

2.11 **Block 5 - Contract Reference**

The specific paragraph number of the Contract Demand, Statement of Work, Request for Proposal, specification, or other applicable document which will assist in identifying the effort associated with the data item.

2.12 **Block 6 - Technical Office**

The Technical Office of Primary Interest, this is the technical authority responsible for ensuring the adequacy of the data.

2.13 **Block 7 - Inspection and Acceptance Method**

This block indicates the requirement for inspection and acceptance of the data. Contains the appropriate code, if applicable:

<u>Code</u>	<u>Inspection</u>	<u>Acceptance</u>
SS	Source	Source
DD	Destination	Destination
SD	Source	Destination
DS	Destination	Source

Leave blank if not required.

## 2.14 **Block 8 - Approval Code**

Items of critical data requiring specific advanced written approval, such as test plans, are identified by placing an "A" in this field. These data items require submission of a preliminary draft prior to publication of a final document. When a preliminary draft is required, Block 16 must show length of time for Canada approval/disapproval and when the final document is to be delivered. Block 16 will also indicate the extent of the approval requirements, i.e., approval of technical content and/or format, as applicable. If advanced approval is not required, this block states N/A.

## 2.15 **Block 9 - Distribution Statement Required**

The Contractor must indicate the appropriate Category for the CDRL data.

If Category is left blank, or not filled in, then it is deemed to be unlimited-release to the public.

Category A	limited-release to government agencies
Category B	limits release to government agencies and their contractors
Category C	limited-release to DND and their contractors
Category D	for release to DND only
Category E	released only as directed and normally classified

## 2.16 **Block 10 - Frequency**

This block indicates the frequency of delivery of the data, using the appropriate frequency code from the following:

ANNLY	Annually
ASGEN	As generated
ASR	As required
BI-MO	Bi-Monthly (once every two months)
BI-WK	Bi-Weekly (once every two weeks)
DAILY	Daily
DFREQ	Deferred requisitioning
EOC	End of Contract
EOM	End of (calendar) Month
MTHY	Monthly
NLT	No Later Than
ONE/R	One time with revisions
OTIME	One time only
QRTLY	Quarterly (once every 3 months)
R/ASR	Revisions as required
SEMIA	Semi-Annually (once every six months)
TBD	To Be Determined
WKLY	Weekly
XDACM	(calendar) Days After Contract Modification
XDAO	(calendar) Days After Receipt of Comments
XDARP	(calendar) Days After Reporting Period
XDALD	(calendar) Days After Last Delivery

## 2.17 **Block 11 - As Of Date**

If the data items are submitted only once, this block contains the "as of" date as follows: dd mmm yy (e.g., "14 Jun 09"). If submittal is constrained by a specific event or milestone, this constraint is stated. If there is insufficient space in Block 11, this block states "See Block 16" and Block 16 will state "11. [followed by the constraint]" (e.g.,

"Block 11. 15 days before start of production" or "Block 11. 45 days before launch"). If an "as of" date is not applicable, this block is left blank.

## 2.18 **Block 12 - Date of First Submission**

The initial submission date is entered as follows: dd mmm yy (e.g., "14 Jun 09"). If submittal is constrained by a specific event or milestone, this constraint is stated using one of the following abbreviations:

ASGEN	AS GENERATED
ASREQ	AS REQUIRED
DAC	Days After Contract Effective Date
DACC	Days After Contract Completion
DACT	Days After Control Test
DAMC	Days After Meeting Completion
DAQCI	Days After Quality Control Inspection
DFDEL	Deferred Delivery
DFREQ	Deferred Requisitioning
DPCC	Days Prior To Course Commencement
EOC	End Of Contract
EOM	End Of (calendar) Month
EOQ	End Of Quarter
MAC	Months After Contract Effective Date
MTHY	Monthly
NLT	No Later Than
ONE/R	One time with revisions
OTIME	One time
QRTLY	Quarterly (once every 3 months)
R/ASR	Revisions as required
SEMIA	Semi-Annually (once every six months)
TBD	To Be Determined
WKLY	Weekly
XDACM	(calendar) Days After Contract Modification
XDAO	(calendar) Days After Task or Delivery Order
XDARC	(calendar) Days After Receipt of Comments
XDARP	(calendar) Days After Reporting Period
XDALD	(calendar) Days After Last Delivery

If there is insufficient space in Block 12 to enter the full text, this block will state "See Block 16" and Block 16 will state "Block 12. [followed by the constraint]" (e.g., "Block 12. 60 days after test").

## 2.19 **Block 13 - Date of Subsequent Submission/Event**

If data items are submitted more than once, the date(s) of subsequent submission(s) are stated. If submittal is constrained by a specific event or milestone, this constraint is stated (e.g., "fifteen days after EOQ").

Abbreviation after the identification of a re-submission will have the following meaning:

Pg (Page)	only change page(s) will be re-submitted along with a sign-off sheet;
Add	only addendum supplement will be re-submitted along with a sign-off sheet; and
Rv (Revision)	complete re-submission of new Revision.

## 2.20 **Block 14 - Distribution and Addressees**

All electronic files recorded on physical media, rather than file transfers or uploads, must be media that is directly compatible with devices currently being used by Canada. These

media include CD ROMs and DVDs. If the contractor wishes to use another medium, employing emerging commercial standards, the contractor should propose these to Canada so that Canada can determine their compatibility with existing systems at each of the offices that receive distribution of the data item.

All electronic copies provided in Contractor/Industry format. Typical electronic formats must include:

<u>Original Data Type</u>	<u>Output/Readable Format Data Type</u>
Word processing	Microsoft Word (2003 or newer)
Presentations	Microsoft PowerPoint (2003 or newer)
Spread sheet	Microsoft Excel (2003 or newer)
Scheduling	Microsoft Project (2003 or newer)
Database	Microsoft Access (2003 or newer)
PDF	Adobe Acrobat
Drawings	To be determined/TIFF

## 2.21 **Block 15 - TOTAL**

The total number of regular/reproducible copies required by Block 14 is entered here.

## 2.22 **Block 16 - REMARKS**

This block is used to provide additional or clarifying information for Block 1 through 15. This block is also used to tailor the documents listed in Block 4. Tailoring may be accomplished by stating the deletions (e.g. "delete para 10.4") or by stating which requirements apply (e.g. "only paras 10.4 and 10.5 apply"), whichever is the more efficient. Block 16 may also be used to specify "Contractor format is acceptable", or to indicate the desired medium for delivery of data.

## 2.23 **Block 17 - Contract File/Doc No**

This block is used by contractor.

## 2.24 **Block 18 - Estimated No of Pages**

This block is used by contractor.

## 2.25 **Block 19 - Estimated Price**

This block is used by contractor.

## 3.0 **DATA ITEM DESCRIPTION FORM BLOCK DESCRIPTIONS**

This section identifies the description of the information found in each numbered block of the Data Item Description - DND Form 1409.

### 3.1 **Block 1 - Title**

The Title is a short descriptive name that identifies its nature and distinguishes it from any other DID.

### 3.2 **Block 2 - Identification Number**

The Identification Number is a number assigned by the originator that uniquely identifies the DID for the originator's use.

3.3 **Block 3 - Description/Purpose**

The Description/Purpose is a concise description (abstract) of the data content requirements or the item for product deliverables that identifies the purpose for which the DID is required.

3.4 **Block 4 – Issue Date**

The Issue Date is the date that the DID was approved by the originator.

3.5 **Block 5 - Office of Primary Interest**

The Office of Primary Interest is the directorate or position responsible for the DID.

3.6 **Block 6 - Government-Industry Data Exchange Program (GIDEP) Applicable**

Insert an "X" if Government-Industry Data Exchange Program applicable, otherwise leave blank.

3.7 **Block 7 – Applicable References and Interrelationship**

The Applicable References and Interrelationship refers to the SOW paragraph that calls up the DID or to an applicable Standard.

3.8 **Block 8 - Originator**

The Originator is the position title of the originator of the DID.

3.9 **Block 9 - Applicable Forms**

The Applicable Forms block identifies any forms needed to prepare the data (i.e. Provisional Parts Breakdown, Material Safety Data Sheet).

3.10 **Block 10 - Preparation Instructions**

Describe the data content and format that the contractor must satisfy. If used for a product deliverable, describe the product.

4.0 **CONTRACT DATA REQUIREMENTS LIST (CDRL) - DATA ITEM DESCRIPTION (DID) CROSS REFERENCE**

4.1 **CDRL and DID Cross Reference Table Legend**

The "CDRL" column provides the CDRL number

The "DID" column provides associated DID number.

The "Title" column is the title of the deliverable.

The "First Submission" column is the date on which the first submission is required.

The "Frequency" column provides the frequency in which the deliverable must be updated.

The "Quantity" column provides the total final hard copies and total final electronic copies for each data deliverable.

The "Approval Level" column indicates the extent of the approval requirements. The Approval Level, as a minimum, must be acknowledged (ACK).

4.2 **Contract Data Requirements List and DID Cross Reference Table**

The mapping between CDRL items and DID is made using the following convention:

<u>CDRL</u>	<u>DID</u>	<u>SECTION</u>
1XXX	PM-XX	Project Management
2XXX	EN-XX	Engineering
3XXX	CM-XX	Configuration Management
4XXX	IL-XX	Integrated Logistics Support

<b>SOW Ref</b>	<b>CDRL</b>	<b>DID</b>	<b>Title</b>	<b>First Submission</b>	<b>Frequency</b>	<b>Copies</b>	<b>Approval Level</b>
3.2.1	1001	PM-01	Project Kick-Off Meeting – Agenda and Meeting	10 DAC	OTIME	2	Approve
3.2.1	1002	PM-01	Project Kick-Off Meeting – Minutes	5 DAMC	OTIME	2	Approve
3.2.2	1003	PM-02	Project Master Schedule and Equipment Delivery Schedule	30 DAC	ONE/R	2	Approve
3.2.3	1004	PM-03	Project Status Meeting – Agenda and Meeting	15 DAMS	QRTLY / AREQ	2	Approve
3.2.3	1005	PM-03	Project Status Meeting – Minutes	5 DAMC	QRTLY / AREQ	2	Approve
3.2.4	1006	PM-04	Project Close-Out – Agenda and Meeting	30 XDALD	OTIME	2	Approve
3.2.4	1007	PM-04	Project Close-Out – Minutes	5 DAMC	OTIME	2	Approve
3.3.3	2001	EN-01	Request For Deviation (RFD)	ASREQ	ASGEN	2	Approve
3.3.4	2002	EN-02	Material Change Notice (MCN)	ASREQ	ASGEN	2	Approve
3.3.5	2003	EN-03	Material Safety Data Sheet (MSDS)	1 MAC	OTIME	2	Acknowledge
3.3.6	3001	CM-01	Bill of Material (BOM) Listing	1 MAC	OTIME	2	Acknowledge
3.3.7	3002	CM-02	Hardware Breakdown Structure (HBS) Drawing	1 MAC	OTIME	2	Acknowledge
3.3.8	3003	CM-03	Equipment Name Plate Design	1 MAC	ONE/R	2	Approve
3.6.1.2	4001	IL-01	Operator and Maintenance DVD Bilingual Multi Media Training	1 MAC	OTIME	4	Approve
3.6.2	4002	IL-02	Supplementary Provisioning Technical Documentation (SPTD)	1 MAC	OTIME	2	Approve
3.6.3	4003	IL-03	Comprehensive Operator Manual	1 MAC	OTIME	4	Approve
3.6.4	4004	IL-04	Comprehensive Maintenance Manual with Illustrated Parts List (IPL)	1 MAC	OTIME	4	Approve
3.6.5	4005	IL-05	Interim Spare Parts List (ISPL)	1 MAC	ONE/R	2	Approve

All CDRL/DID under this contract shall be approved by the project TA and the CA as applicable.

**Contracts Deliverable Requirements List (CDRL)**

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract.
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number.
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank.
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing.
1	Item Number	1001
2	Title or Description of Data	Project Kick-Off Meeting – Agenda and Meeting
3	Subtitle	If the title requires further identification, enter a subtitle.
4	Authority(Data Item No)	PM-01
5	Contract Reference	3.2.1
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required.
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank.
10	Frequency	One time delivery.
11	As of Date	-
12	Date of Submission	Ten (10) calendar days after Effective Contract Date.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting).
14	Distribution and Addressees	1 Electronic / 1 Hard Copy V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2 PWGSC CA PWGSC TBD 1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Coordinating the meeting location, timing, and providing the require meeting agenda, with the PM's concurrence. V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A
Block	Title	Completion Guidance

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1002
2	Title or Description of Data	Project Kick-Off Meeting – Minutes
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-01
5	Contract Reference	3.2.1
6	Requiring Office	V. Nguyen, PM MGSIM, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time delivery.
11	As of Date	-
12	Date of Submission	Five (5) calendar days after meeting completion.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy  V. Nguyen, PM MGSIM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Record and provide the meeting minutes including all discussion points, follow-up taskings, and decision, with the PM's concurrence. V. Nguyen, PM MGSIM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

Block	Title	Completion Guidance
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APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1003
2	Title or Description of Data	Project Master Schedule and Equipment Delivery Schedule
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-02
5	Contract Reference	3.2.2
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time delivery.
11	As of Date	-
12	Date of Submission	Five (15) calendar days after meeting completion.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy  V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide a detailed schedule that will highlight project milestones, delivery dates of data items, and delivery dates of equipment, with the PM's concurrence. V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

Block	Title	Completion Guidance

APPENDIX 5  
TO ANNEX A  
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A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1004
2	Title or Description of Data	Project Status Meeting – Agenda and Meeting
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-03
5	Contract Reference	3.2.3
6	Requiring Office	V. Nguyen, PM MGS, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	Quarterly and as Required.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	-
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy  V. Nguyen, PM MGS, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide a detailed schedule that will highlight project milestones, delivery dates of data items, and delivery dates of equipment, with the PM's concurrence. V. Nguyen, PM MGS, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A
<b>Block</b>	<b>Title</b>	<b>Completion Guidance</b>
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	<b>Project Management</b>
E	System/Item	<b>Machine Gun Swing Mount</b>
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1005
2	Title or Description of Data	<b>Project Status Meeting – Minutes</b>
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-03
5	Contract Reference	3.2.3
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	Quarterly.
11	As of Date	Five (5) calendar days after meeting completion.
12	Date of Submission	-
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy  V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Record and provide the meeting minutes including all discussion points, follow-up taskings, and decision, with the PM's concurrence. V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1006
2	Title or Description of Data	Project Close-Out Meeting – Agenda and Meeting
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-04
5	Contract Reference	3.2.4
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One Time.
11	As of Date	Thirty (30) calendar days after Last Delivery.
12	Date of Submission	-
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD TBD  1 Electronic / 1 Hard Copy  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Coordinate the meeting location, timing, and provide the required meeting agenda, with the PM's concurrence. V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Project Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	1007
2	Title or Description of Data	Project Close-Out Meeting – Minutes
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	PM-04
5	Contract Reference	3.2.4
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
7	Inspection	Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One Time.
11	As of Date	Five (5) calendar days after meeting completion.
12	Date of Submission	-
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  1 Electronic / 1 Hard Copy  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Record and provide the meeting minutes including all discussion points, final follow-up taskings, and decision, with the PM's concurrence. V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW Identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Engineering
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	2001
2	Title or Description of Data	Request for Deviation (RFD)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	EN-01
5	Contract Reference	3.3.3
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	As required.
11	As of Date	If the data or item is submitted only once insert the date that it is due. If constrained by a specific event or milestone, enter the constraint. If not applicable, leave blank
12	Date of Submission	As required.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) 1 Electronic / 1 Hard Copy Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2 PWGSC CA PWGSC TBD TBD 1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide all relevant technical data, info, and justification for the deviation from the approved design, as well as any subsequent impact to the equipment and equipment support, for the TA's recommendation and CA's approval. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Engineering
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	2002
2	Title or Description of Data	Material Change Notice (MCN)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	EN-02
5	Contract Reference	3.3.4
6	Requiring Office	V. Nguyen, PM MGS, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	As required.
11	As of Date	If the data or item is submitted only once insert the date that it is due. If constrained by a specific event or milestone, enter the constraint. If not applicable, leave blank
12	Date of Submission	As required.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGS, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide all relevant technical data, info, and justification for the change, as well as any subsequent impact to the equipment and equipment support, for the TA's and CA's approval. V. Nguyen, PM MGS, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Engineering
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	2003
2	Title or Description of Data	Material Safety Data Sheet (MSDS)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	EN-03
5	Contract Reference	3.3.5
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide the MSDS for the MGSM for the Project records. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Configuration Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	3001
2	Title or Description of Data	Bill of Material Listing (BOM)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	CM-01
5	Contract Reference	3.3.6
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy  V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2
		PWGSC CA PWGSC TBD 1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide the MGSM BOM, listing all piece parts and broken-down into LRU and sub-system indenture levels for the PO records. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Configuration Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	3002
2	Title or Description of Data	Hardware Breakdown Structure (HBS) Drawing
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	CM-02
5	Contract Reference	3.3.7
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide the MGSM HBS top level drawing, listing all LRU and sub-system levels for the PO records. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Configuration Management
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	3003
2	Title or Description of Data	Equipment Name Plate Design
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	CM-03
5	Contract Reference	3.3.8
6	Requiring Office	V. Nguyen, PM MGS, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGS, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide the MGS Identification Plate design and drawing for the TA's approval. V. Nguyen, PM MGS, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Integrated Logistic Support
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	4001
2	Title or Description of Data	Operator and Maintenance DVD Multi Media Training
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	IL-01
5	Contract Reference	3.6.1.2
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	<div>V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799)</div> <div>3 Electronic / 3 Soft Copies</div> <div>Department of National Defence</div> <div>Louis Saint Laurent Building</div> <div>555 Carriere Blvd, Gatineau QC K1A 0K2</div> <div>PWGSC CA</div> <div>PWGSC</div> <div>TBD</div> <div>1 Electronic / 1 Soft Copy</div>
15	Total	4 / 4 (Hard / Soft Copy)
16	Remarks	Provide the MGSM bilingual (French and English) Operator and Maintenance training package, including the multi-media DVD, to the TA.
17	Contract File/Doc No	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Integrated Logistic Support
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	4002
2	Title or Description of Data	Supplementary Provisioning Technical Documentation (SPTD)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	IL-02
5	Contract Reference	3.6.2
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 1 Hard Copy V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2 PWGSC CA PWGSC TBD
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Provide the MGSM SPTD information for cataloguing and supply management purposes, to the TA. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
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Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Integrated Logistic Support
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	4003
2	Title or Description of Data	Comprehensive Operator Manual
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	IL-03
5	Contract Reference	3.6.3
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) 3 Electronic / 1 Hard Copy Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy
15	Total	4/2 (Hard and Soft Copy)
16	Remarks	Provide the MGSM Operator Manual, in the contractors format, to the TA. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Integrated Logistic Support
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	4004
2	Title or Description of Data	Comprehensive Maintenance Manual with Illustrated Parts List (IPL)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	IL-04
5	Contract Reference	3.6.4
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	Enter "A" if draft approval is required before submission of the final document. If advance approval is not needed, leave blank
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	1 Electronic / 3 Hard Copy V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2 PWGSC CA PWGSC TBD
15	Total	4/2 (Hard and Soft Copy)
16	Remarks	Provide the MGSM Maintenance Manual with IPL, in their format, to the TA.
17	Contract File/Doc No	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

APPENDIX 5  
TO ANNEX A  
TO W8476-134418  
DATED 2 AUG 13

Block	Title	Completion Guidance
A	Annex Description	Enter the annex (and appendix, if applicable) designation with respect to the RFP/Contract
B	Contract/RFP Number	Enter the RFP number or other appropriate designator. Upon contract award, amend to read the contract number
C	SOW Identifier	Enter the SOW identifier if the RFP/Contract has several SOWs, otherwise leave blank
D	Data Category	Integrated Logistic Support
E	System/Item	Machine Gun Swing Mount
F	Contractor	On contract award, enter the contractor's name and the contractor's NATO Supply Code for Manufacturing
1	Item Number	4005
2	Title or Description of Data	Interim Spare Parts List (ISPL)
3	Subtitle	If the title requires further identification, enter a subtitle
4	Authority(Data Item No)	IL-05
5	Contract Reference	3.6.5
6	Requiring Office	V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
7	Inspection	Indicate the requirement for Inspection and Acceptance of the data or item using the following code: <input type="checkbox"/> SS – Source, Source <input type="checkbox"/> DD – Destination, Destination <input type="checkbox"/> SD – Source, Destination <input type="checkbox"/> DS – Destination, Source Leave blank if not required
8	App Code	A
9	Input	Place an "X" in the box if the data represents the integrated results of inputs from associated contractors. If not, leave blank
10	Frequency	One time.
11	As of Date	Thirty (30) calendar days after Effective Contract Date.
12	Date of Submission	If multiple submissions are required, enter the date of the initial submission. If constrained by a specific event or milestone, enter the constraint. Leave blank for data or items submitted/delivered only once.
13	Date of Subsequent Submission	If the data or items are submitted more than once, enter the date(s) of the subsequent submission(s). If constrained by a specific event or milestone, enter the constraint (e.g. 15 days after the meeting)
14	Distribution and Addressees	V. Nguyen, PM MGSM, DAVPM 10 (819-994-9799) Department of National Defence Louis Saint Laurent Building 555 Carriere Blvd, Gatineau QC K1A 0K2  PWGSC CA PWGSC TBD  1 Electronic / 1 Hard Copy  1 Electronic / 1 Hard Copy
15	Total	2/2 (Hard and Soft Copy)
16	Remarks	Recommend the items and quantities for a 2 years supply of spare parts for MGSM to the TA for concurrence. V. Nguyen, PM MGSM, DAVPM 10(819-994-9799)
17	Contract File/Doc No	N/A
18	Estimated No of Pages	N/A
19	Estimated Price	N/A

**Data Item Description (DID)**

<b>Data Item Description</b>		
1. <i>Title</i> Project Kick-Off Meeting		2. <i>Identification numbers</i> PM-01
3. <i>Description/Purpose</i> Meeting agenda and minutes for the initial kick-off meeting. The meeting will introduce the project team to the Contractor's project team. Main points of discussion will include delivery schedule coordination, communication protocols and any other project related goals and objectives.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Project Manager, copy to Contract Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 1001: Agenda and Meeting CDRL Item 1002: Minutes Annex A, Statement of Work, Section 3.2 Project Management, Paragraph 3.2.1		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> <u>Agenda and Meeting</u> Prepare and submit an agenda for the project kick-off meeting in Contractor's format, a minimum of ten (10) calendar days after contract award. The agenda shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. The purpose and objectives of the meeting;</li> <li>b. The location, date, time and anticipated duration of the meeting;</li> <li>c. A listing of all proposed topics for discussion; and</li> <li>d. Any other pertinent information necessary to hold the Kick-Off Meeting.</li> </ul> <u>Meeting Minutes</u> Prepare and submit meeting minutes, in Contractor's format, within five (5) calendar days of the conclusion of the project kick-off meeting. Minutes shall include, but not be limited to, the following: <ul style="list-style-type: none"> <li>a. A title page containing: (1) Title, (2) Type of meeting, (3) Date, (4) Identification of system/equipment, (5) Contract number, and (6) Space for signatures of the designated representatives of the Contractor, the Contract Authority, and the Technical Authority;</li> <li>b. A list of attendees by name, rank, title, grade or position, activity represented, activity code and phone numbers as appropriate;</li> <li>c. The location of the meeting;</li> <li>d. The agenda of the meeting;</li> <li>e. The purpose and objectives of the meeting;</li> <li>f. A summary of the discussions, decisions and agreements reached;</li> </ul>		

- g. A listing of open action items and responsibility for each action to be implemented as a result of the review; and
- h. Other data and information as mutually agreed.

Approval

Both the Project Manager and Contract Authority shall approve the Meeting Minutes.

Data Item Description		
1. <i>Title</i> Project Master Schedule and Equipment Delivery Schedule		2. <i>Identification numbers</i> PM-02
3. <i>Description/Purpose</i> A Project Master Schedule that will identify project milestones, delivery dates and project task completion dates.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Project Manager, copy to Contract Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 1003: Project Master Schedule and Equipment Delivery Schedule Annex A, Statement of Work, Section 3.2 Project Management, Paragraph 3.2.2		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> <p>Prepare and submit a Project Master Schedule in the Contractor's format, minimum of fifteen (15) calendar days after meeting completion. The schedule shall include, but is not limited to, the following:</p> <ul style="list-style-type: none"> <li>a. A title page containing: (1) Title, (2) Date, (3) Identification of system/equipment, (4) Contract number, and (5) Space for signatures of the designated representatives of the Contractor, the Contract Authority, and the Technical Authority;</li> <li>b. Project milestones;</li> <li>c. Contractual and tasks delivery dates;</li> <li>d. Hardware delivery date intervals and quantities;</li> <li>e. Meetings and DID delivery dates; and</li> <li>f. Other key dates as mutually agreed.</li> </ul> <p><u>Approval</u></p> <p>Both the Project Manager and the Contract Authority shall approve the Master Project Schedule.</p>		

Data Item Description		
1. Title Project Status Meeting		2. Identification numbers PM-03
3. Description/Purpose Meeting agenda and minutes for the quarterly Status Update meeting. The meeting will provide the project and contractor a snap shoot summary of the project progress and identify any problem areas that may need to be mitigated.		
4. Issue Date	5. Office of Primary Interest Project Manager, copy to Contract Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 1004: Agenda and meeting CDRL Item 1005: Minutes Annex A, Statement of Work, Section 3.2 Project Management, Paragraph 3.2.3		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions <u>Agenda and Meeting</u> Prepare and submit an agenda in Contractor's format, a minimum of five (5) calendar days prior to the start of any project status update meeting. The agenda shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. The purpose and objectives of the meeting;</li> <li>b. The location, date, time and anticipated duration of the meeting;</li> <li>c. A listing of all proposed topics for discussion; and</li> <li>d. Any other pertinent information necessary to hold the Status Update Meeting.</li> </ul> <u>Meeting Minutes</u> Prepare and submit meeting minutes, in Contractor's format, five (5) calendar days after each project status meeting. Minutes shall include, but not be limited to, the following: <ul style="list-style-type: none"> <li>a. A title page containing: (1) Title, (2) Type of meeting, (3) Date, (4) Identification of system/equipment, (5) Contract number, and (6) Space for signatures of the designated representatives of the Contractor, the Contract Authority, and the Technical Authority;</li> <li>b. A list of attendees by name, rank, title, grade or position, activity represented, activity code and phone numbers as appropriate;</li> <li>c. The location of the meeting;</li> <li>d. The agenda of the meeting;</li> <li>e. The purpose and objectives of the meeting;</li> <li>f. A summary of the discussions, decisions and agreements reached;</li> <li>g. A listing of open Action Items and responsibility for each action to be implemented as a result of</li> </ul>		

the review; and

- h. Other data and information as mutually agreed.

Approval

Both the Project Manager and Contract Authority shall approve the Meeting Minutes.

Data Item Description		
1. Title Project Close-Out Meeting		2. Identification numbers PM-04
3. Description/Purpose Produce meeting agenda and minutes of the various categories of Working Group Meetings. These Working Group categories include, but are not limited to the following: Program, Spares, R&O, Tasking, Engineering and Financial.		
4. Issue Date	5. Office of Primary Interest Project Manager, copy to Contract Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 1006: Agenda and Meeting CDRL Item 1007: Minutes Annex A, Statement of Work, Section 3.2 Project Management, Paragraph 3.2.4		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions  <u>Agenda and Meeting</u>  Prepare and submit an agenda, in Contractor's format, a minimum of five (5) calendar days prior to the start of the project close-out meeting. The agenda shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. The purpose and objectives of the meeting;</li> <li>b. The location, date, time and anticipated duration of the meeting;</li> <li>c. A listing of all proposed topics for discussion; and</li> <li>d. Any other pertinent information necessary to hold the Project Close-Out Meeting.</li> </ul> <u>Meeting Minutes</u>  Prepare and submit meeting minutes, in Contractor's format, five (5) calendar days of the conclusion project close-out meeting.  Minutes of each review shall include the following: <ul style="list-style-type: none"> <li>a. A title page containing: (1) Title, (2) Type of meeting, (3) Date, (4) Identification of system/equipment, (5) Contract number, and (6) Space for signatures of the designated representatives of the Contractor, the Contract Authority, and the Technical Authority;</li> <li>b. A list of attendees by name, rank, title, grade or position, activity represented, activity code and phone numbers as appropriate;</li> <li>c. The location of the meeting;</li> <li>d. The agenda of the meeting;</li> <li>e. The purpose and objectives of the meeting;</li> <li>f. A summary of the discussions, decisions and agreements reached; and</li> <li>g. Other data and information as mutually agreed.</li> </ul>		

Approval

Both the Project Manager and Contract Authority shall approve the Meeting Minutes.

Data Item Description		
1. Title Request for Deviations (RFD)		2. Identification numbers EN-01
3. Description/Purpose Request for Deviations (RFD) are used to describe a departure from the approved product configuration documentation for a specified period of time and/or a specified number of units.		
4. Issue Date 19 April 2013	5. Office of Primary Interest Technical Authority copy to Contract Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 2001: Request for Deviation (RFD) Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.3. D-02-006-008/SG-001 – The Design Change, Deviation and Waiver Procedure, MIL-STD-973 – Configuration Management.		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions  As required, prepare the RFD using CFTO D-02-006-008/SG-001 as a guide for the RFD content. Classification of RFDs shall be Critical, Major or Minor as determined by the requirements of MIL-STD-973 Para 5.4.3.3. All Requests for Deviation shall be submitted on DND 675 forms.  <u>Approval</u> The Technical Authority shall have the final approval of each RFD.		

Data Item Description		
1. <i>Title</i> Material Change Notice (MCN)		2. <i>Identification numbers</i> EN-02
3. <i>Description/Purpose</i> Material Change Notice (MCN) is used to obtain authorization to deliver non-conforming material which may not meet prescribed documentation but is suitable for the intended purpose.		
4. <i>Issue Date</i> 19 April 2013	5. <i>Office of Primary Interest</i> Technical Authority copy to Contract Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 2002: Material Change Notice (MCN) Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.4. D-02-006-008/SG-001 – The Design Change, Deviation and Waiver Procedure, MIL-STD-973 – Configuration Management.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i>  As required, prepare and submit a Material Change Notice (MCN). Critical and major MCNs shall be prepared utilizing DND form 675 and CFTO D-02-006-008/SG-001 shall be used as a guide for MCN content.  <u>Approval</u> The Technical Authority shall have the final approval of each MCN.		

Data Item Description		
1. Title Material Safety Data Sheet (MSDS)		2. Identification numbers EN-03
3. Description/Purpose Material Safety Data Sheet (MSDS) is an important component of product stewardship and occupational safety and health. It is intended to provide workers and emergency personnel with procedures for handling or working with that equipment in a safe manner, and includes information such as physical data, toxicity, health effects, first aid, reactivity, storage, disposal, protective equipment, and spill-handling procedures.		
4. Issue Date	5. Office of Primary Interest Technical Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 2003: Material Safety Data Sheet (MSDS) Section 13 of the Hazardous Products Act (R.S.C., 1985, c. H-3). Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.5.		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions  Prepare and submit Material Safety Data Sheet(s) (MSDS) for the MGSM, in Contractor's format in accordance with Section 13 of the Hazardous Products Act (R.S.C., 1985, c. H-3), thirty (30) calendar days after contract award.  The MSDS must include nine (9) categories of information that must be present on our Canadian MSDS. These categories are: <ol style="list-style-type: none"> <li>1. Product Information: product identifier (name), manufacturer and suppliers names, addresses, and emergency phone numbers</li> <li>2. Hazardous Ingredients</li> <li>3. Physical Data</li> <li>4. Fire or Explosion Hazard Data</li> <li>5. Reactivity Data: information on the chemical instability of a product and the substances it may react with</li> <li>6. Toxicological Properties: health effects</li> <li>7. Preventive Measures</li> <li>8. First Aid Measures</li> <li>9. Preparation Information: who is responsible for preparation and date of preparation of MSDS</li> </ol>		
<u>Approval</u> The Technical Authority shall have the final approval of each MSDS.		

Data Item Description		
1. <i>Title</i> Bill of Materials (BOM) Listing		2. <i>Identification numbers</i> CM-01
3. <i>Description/Purpose</i> The BOM is a comprehensive listing of all the piece parts of the MGSM broken down into their respective LRU groupings for quick reference by the Project and LCMM.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 3001: Bill of Materials Listing Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.6.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i>  Provide a BOM listing, in Contractor's format, thirty (30) calendar days after contract award. The listing shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>e. All piece parts and assemblies;</li> <li>f. Grouped by LRU breakdown where applicable; and</li> <li>g. Part Number, OEM Part Number, NSN, Cage Code, Nomenclature, and quantities per assembly.</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of the BOM.		

Data Item Description		
1. <i>Title</i> Hardware Breakdown Structure (HBS) Drawing		2. <i>Identification numbers</i> CM-02
3. <i>Description/Purpose</i> The HBS Drawing is a top level drawing (exploded view) of the MGSM broken down into their respective LRU groupings for quick reference by the Project and LCMM.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority copy to Contract Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 3002: Hardware Breakdown Structure (HBS) Drawing Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.7.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> Provide an HBS Drawing, in Contractor's format, thirty (30) calendar days after contract award. The drawing shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. All piece parts and assemblies;</li> <li>b. Grouped by LRU breakdown where applicable; and</li> <li>c. Reference number to the IPL, Part Number, OEM Part Number, NSN, Nomenclature, and quantities per assembly (as applicable).</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of the MBS Drawing.		

Data Item Description		
1. <i>Title</i> Equipment Name Plate Design		2. <i>Identification numbers</i> CM-03
3. <i>Description/Purpose</i> The MGSM Identification Plate will be installed on every production unit delivered to DND to identify the equipment and provide a means to track and control the item.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 3003: Equipment Name Plate Design Annex A, Statement of Work, Section 3.3 Production and Design, Paragraph 3.3.8.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> Provide an initial Equipment Name Plate Design and recommended installation location, in Contractor's format, thirty (30) calendar days after contract award. The design shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. Manufacturer Name and ID (NGAGE);</li> <li>b. Item Nomenclature/Description;</li> <li>c. OEM Part Number;</li> <li>d. NSN;</li> <li>e. Serial Number;</li> <li>f. Date of Manufacture;</li> <li>g. Overall Cube Dimension (m); and</li> <li>h. Item Gross Weight (Kg).</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of each Name Plate Design and installation location.		

Data Item Description		
1. <i>Title</i> Operator and Maintenance DVD Bilingual Multi Media Training		2. <i>Identification numbers</i> IL-01
3. <i>Description/Purpose</i> The Operator and Maintenance Training DVD will provide instruction and reference to DND personnel in the proper, effective, and safe use and repair of the MGSM.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 4001: Operator and Maintenance DVD Bilingual Multi Media Training Annex A, Statement of Work, Section 3.6 Publications, Paragraph 3.6.1.2.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> <p>Provide a training package for the MGSM Operator and Maintainer, in Contractor's format, thirty (30) calendar days after contract award.</p> <p>The bilingual (French and English) training package shall include, but is not limited to, the following:</p> <ul style="list-style-type: none"> <li>a. A multimedia based Training DVD;</li> <li>b. Additional instructions on the training DVD (if applicable); and</li> <li>c. Training aids (if applicable).</li> </ul> <p><u>Approval</u> The Technical Authority shall have the final approval of the Operator and Maintenance Training material for content, complexity, and presentation.</p>		

Data Item Description		
1. Title Supplementary Provisioning Technical Data (SPTD)		2. Identification numbers IL-02
3. Description/Purpose The SPTD is required for NATO codification purposes and shall be provided by the Contractor for each available down part of the MGSM as well as any special auxiliary tools.		
4. Issue Date	5. Office of Primary Interest Technical Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 4002: Supplementary Provisioning Technical Data Annex A, Statement of Work, Section 3.6 Publications, Paragraph 3.6.2.		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions  The SPTD shall be delivered in the Contractor's format, thirty (30) calendar days after contract award.  The SPTD shall include, but not be limited to the following minimum data: <ul style="list-style-type: none"> <li>a. Item name or nomenclature;</li> <li>b. Name and address of the Design Control Authority(s);</li> <li>c. Design Control Authority's drawing or item part number(s) (Level 1 indicating general dimensions and markings); and</li> <li>d. Standards/specifications reference number(s).</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of the final SPTD.		

Data Item Description		
1. <i>Title</i> Comprehensive Operators Manual		2. <i>Identification numbers</i> IL-03
3. <i>Description/Purpose</i> The Comprehensive Operators Manual shall provide direction and reference for DND personnel to properly and safely operate the MGSM.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 4003: Comprehensive Operators Manual Annex A, Statement of Work, Section 3.6 Publications, Paragraph 3.6.3.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i>  The Comprehensive Operator Manual shall be delivered in the Contractor's format, thirty (30) calendar days after contract award.  The manual shall include, but not be limited to, the following minimum data: <ul style="list-style-type: none"> <li>a. An Equipment Summary and Description – items such as, but not limited to: Identification by Manufacturer, Model, Part number, Year of manufacture, Contract number, NATO Stock Number (NSN), Quantity purchased, and end-application, plus;</li> <li>b. Technical Specifications for Physical Data: weight, construction, height, width, depth, weight, part number;</li> <li>c. Mechanical Data such as: vehicle mounting interface description, elevation and azimuth controls, control descriptions, lubrication type, detent positions, locked position;</li> <li>d. Operation Limitations as applicable by design such as: temperature restrictions, storage temperature, humidity range restrictions, performance (salt/fog, dust, icing, and interchangeability with other installations); and</li> <li>e. Operator inspection schedules and routine maintenance requirements.</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of the final comprehensive operator manual.		

Data Item Description		
1. Title Comprehensive Maintenance Manual with Illustrated Parts List (IPL)		2. Identification numbers IL-04
3. Description/Purpose The Comprehensive Maintenance Manual with IPL shall provide direction and reference for DND personnel to properly and safely upkeep and conduct maintenance on the MGSM throughout its life cycle.		
4. Issue Date	5. Office of Primary Interest Technical Authority	6. GIDEP Applicable
7. Applicable References & Interrelationship CDRL Item 4004: Comprehensive Maintenance Manual with IPL Annex A, Statement of Work, Section 3.6 Publications, Paragraph 3.6.4.		
8. Originator Contractor		9. Applicable forms
10. Preparation instructions <p>The Comprehensive Maintenance Manual with IPL shall be delivered in the Contractor's format, thirty (30) calendar days after contract award.</p> <p>The maintenance manual shall include, but is not limited, to the following minimum data:</p> <ul style="list-style-type: none"> <li>a. An Equipment Summary and Description – items such as, but not limited to: Identification by Manufacturer, Model, Part number, Year of manufacture, Contract number, NATO Stock Number (NSN), Quantity purchased, and end-application, plus;</li> <li>b. Technical Specifications for Physical Data: weight, construction, height, width, depth, weight, part number;</li> <li>c. Mechanical Data such as: vehicle mounting interface description, elevation and azimuth controls, control descriptions, lubrication type, detent positions, locked position;</li> <li>d. Operation Limitations as applicable by design such as: planned operating life, time per system or per year, temperature restrictions, storage temperature, humidity range restrictions, performance (salt/fog, dust, icing, and interchangeability with other installations;</li> <li>e. First line preventative and corrective repair procedures for the MGSM and its LRUs;</li> <li>f. First line inspection schedules and maintenance requirements; and</li> <li>g. A complete illustrated parts list (IPL) and breakdown with quantities per MGSM assembly.</li> </ul> <p><u>Approval</u> The Technical Authority shall have the final approval of the final comprehensive maintenance manual.</p>		

Data Item Description		
1. <i>Title</i> Interim Spare Parts List (ISPL)		2. <i>Identification numbers</i> IL-05
3. <i>Description/Purpose</i> The ISPL will identify the spare parts and associated quantities that will be sufficient to support the MGSM provided to DND for 2 years of support from the date of first MGSM delivery.		
4. <i>Issue Date</i>	5. <i>Office of Primary Interest</i> Technical Authority copy to Contract Authority	6. <i>GIDEP Applicable</i>
7. <i>Applicable References &amp; Interrelationship</i> CDRL Item 3002: Interim Spare Parts List (ISPL) Annex A, Statement of Work, Section 3.6 Publications, Paragraph 3.6.5.		
8. <i>Originator</i> Contractor		9. <i>Applicable forms</i>
10. <i>Preparation instructions</i> Produce and deliver the listing in Contractor's format, thirty (30) calendar days after contract award. The ISPL shall include, but is not limited to, the following: <ul style="list-style-type: none"> <li>a. Part nomenclature;</li> <li>b. NSN if applicable;</li> <li>c. Manufacturer's part number;</li> <li>d. Contractor's recommend sparing quantity;</li> <li>e. Procurement lead time;</li> <li>f. Manufacturer's NCAGE and/or full mailing address and contact numbers;</li> <li>g. Reference to an illustrated parts listing in the Comprehensive Maintenance Manual;</li> <li>h. Pricing for the suggested Suppliers support requirements for two years of use, noting where quantities affect price breaks, the Supplier shall provide stepladder pricing to show any price changes of +/-20% in relation to quantities of +/-1; and</li> <li>i. Mean lead time for procurement of the parts.</li> </ul> <u>Approval</u> The Technical Authority shall have the final approval of listing, reference to parts, and quantities.		

APPENDIX 6: ENVIRONMENTAL AND VIBRATION REQUIREMENTS

1.0 General

The MGSM shall meet all stated performance requirements without physical damage during and after exposure to any combination of the ambient and induced climatic and environmental conditions identified hereafter in Tables 1, 2 and 3.

Table 1: Environmental

Environmental Requirements	
ID	High Temperature - Operation
1-1	The MGSM shall be capable to operate in all environments associated with A1, A2, and A3 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.
	High Temperature - Storage
1-2	The MGSM shall be capable to be stored in all environments associated with A1, A2, and A3 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.
	Low Temperature - Operation
1-3	The MGSM shall be capable to operate in all environments associated with C0, and C1 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.

1-4	The MGSM shall be operable in all environments associated with C2 and C3 climatic zones up to a low temp of -40C.
	<b>Low Temperature – Storage</b>
1-5	The MGSM shall be capable to be stored in all environments associated with C0, C1, and C2 climatic zones IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition 1, Leaflet 2311/1.
	<b>Temperature Transitions / Shock</b>
1-6	The MGSM shall be capable to operate during and after sudden transitions from climate controlled spaces to temperatures associated with A1 and C1 climatic zone IAW NATO STANAG 4370 - Allied Environmental Conditions Testing Publication (AECTP) 230 Edition
	<b>Solar Radiation</b>
1-7	The MGSM shall be capable to operate during and after exposure to solar radiation associated with the A1 climatic condition as described in MIL-STD-810G, Method 505.5.
	<b>Corrosion</b>
1-8	The MGSM design shall mitigate corrosion and its effects on the operation of the product from exposure to humidity and/or salt-spray environments.
	<b>Dust</b>
1-9	The MGSM shall be capable to operate during and after exposure to blowing dust as defined in MIL-STD-810G Method 510.5 Procedure I.

<b>Icing/Freezing Rain</b>	
1-10	The MGSM shall be capable to operate during and after exposure to ice accumulation of up to 6 mm resulting from freezing rain, drizzle, fog, or surface water splashing.
<b>Freeze/Thaw</b>	
1-11	The MGSM shall be capable to operate during and after exposure to freeze-thaw cycles of snow and/or other surface wetness.

Table 2: Vibration/Shock

<b>Environmental Requirements</b>	
<b>ID</b>	
<b>Secured Vibration</b>	
2-1	The MGSM shall be capable to operate during and after exposure to composite wheeled vehicle vibration in accordance with MIL-STD-810G 514.6 Category 4, Table 514.6C-VI
<b>Functional Shock</b>	
2-2	The MGSM shall be capable to remain fully operable after being subjected to functional shock in accordance with MIL-STD-810G 516.6 Procedure I for Ground Equipment.

	<b>Crash Hazard Shock</b>
2-3	The MGSM shall be capable to endure a crash hazard shock without releasing the attached gun, and becoming detached from the vehicle in such a way that poses a hazard to the vehicle occupants as outline by MIL-STD-810G 516.6 Procedure V for Ground Vehicles.

Table 3: Other Requirements

ID	Environmental Requirements
	Noise Limits
3-1	The MGSM shall meet LEVEL II non-detectable limits 10-30meters (30m requirement) throughout its operational range of motion.
	<b>ELECTROMAGNETIC ENVIRONMENTAL EFFECTS</b>
3-2	The MGSM shall be compliant with the electrical bonding requirements of MIL-STD-464C, Section 5.11.
	<b>Petroleum, Oil, and Lubricant (POL) Contamination Resistance</b>
3-3	The MGSM shall be designed to be resistant to petroleum, oil, and lubricant (POL) contamination such that after exposure the MGSM shall remain fully operable.

## **APPENDIX 7: USER TRIALS MACHINE GUN (MG) HANDLING DRILLS**

1. The following drills will be used during the bidder demonstration portion of the bid evaluation for the Machine Gun Swing Mount project. These drills are based off of current handling drills for the C6 and C9A2 MGs. All drills will be conducted by one operator with the MG installed on the MGSM and the operator standing in the LAV 25mm turret from both the gunner (gnr) and Crew Commander (CC) positions.
2. LOAD (both MGs).
  - a. Check the position of the working parts and ensure they are fully forward;
  - b. Open the feed cover;
  - c. Pull approximately 20 rounds from the ammunition box and position the belt on the feed tray, links uppermost, with the first round against the cartridge stop; and
  - d. Close the feed cover and announce "LOADED".
3. READY (both MGs).
  - a. Adjust the sights to the appropriate range;
  - b. Lift the butt assembly to the shoulder (or take positive control of the spade grip assembly) and cock the MG, ensuring the action is allowed to go forward; and
  - c. Place the MG firing selector to SAFE.
4. UNLOAD and CLEAR (both MGs).
  - a. Lift the butt assembly to the shoulder (or take positive control of the spade grip assembly) and cock the MG;
  - b. Lower the butt assembly (or spade grip assembly), raise the feed cover, and remove the ammunition belt from the feed tray;
  - c. Clear the feed tray;
  - d. Close the feed cover;
  - e. Lift the butt assembly to the shoulder (or take positive control of the spade grip assembly) and fire an aimed shot in a safe area (a round may or may not fire);
  - f. Lift the feed cover and tray;
  - g. Inspect the interior of the MG body for the presence of a round; and
  - h. Once confirmed clear, announce "CLEAR", close the feed cover and allow the action to go forward under control. (C9A2 only: close the ejection opening cover)
5. IMMEDIATE ACTION DRILLS C9A2. These drills are employed when the MG fails to fire. Although more immediate action drills exist, many involve fault finding that will

require the MG to be removed from the mount and thus will not be part of the MGSM user trial. The listed immediate action drills will be conducted during user trials to ensure the operator has full use of the mounted weapon.

a. Initial stoppage.

- (1) Cock the MG and lower the butt from the shoulder;
- (2) Open the feed cover, clear the feed tray, and close the feed cover again as quickly as possible;
- (3) Raise the butt into the shoulder and fire an aimed shot (a round may or may not be fire);
- (4) Lower the butt, reload and continue firing.

b. Gas stoppage drill. If the weapon still fails to fire after the initial stoppage drill has been conducted.

- (1) Cock the MG and place the safety catch on SAFE;
- (2) Reach forward and adjust the gas regulator to ADVERSE; and
- (3) Reload and continue firing.

c. Change barrel. If the weapon still does not fire, the operator will normally change barrels. An operator will also change barrels after he has fired approximately a box of ammunition in a situation that requires sustained and rapid fire. For the operator trials this must be accomplished while the MG is mounted on the MGSM. To accomplish this, the operator will conduct the unload and clear, as described above, remove and replace the barrel, ensuring it properly locks into place.

6. IMMEDIATE ACTION DRILLS FOR C6. These drills are employed when the MG fails to fire. They are similar to those listed above for the C9A2; however, current CA C6s no longer have a gas regulator and therefore no C6 gas stoppage drill will be used during operator trials for the MGSM. The listed immediate action drills will be conducted during user trials to ensure the operator has full use of the mounted weapon

a. Initial stoppage.

- (1) Cock the MG and lower the butt from the shoulder;
- (2) Open the feed cover, clear the feed tray, and close the feed cover again as quickly as possible;
- (3) Raise the butt into the shoulder and fire an aimed shot (a round may or may not be fire);
- (4) Lower the butt, reload and continue firing.

b. Change barrels. If the weapon still fails to fire after the initial stoppage drill, operators will then change barrels. An operator will also change barrels after he

has fired approximately a box of ammunition in a situation that requires sustained and rapid fire. For the user trial this must be accomplished while the MG is mounted on the MGSM. To accomplish this, the operator will conduct the unload and clear, as described above, remove the barrel, ensuring it is seated properly by sliding the locking device clockwise and observing four to six clicks.

## REQUEST FOR WAIVER or DEVIATION DEMANDE D'EXEMPTION ou DÉVIATION

<b>REQUEST FOR WAIVER or DEVIATION DEMANDE D'EXEMPTION ou DÉVIATION</b>				4. Waiver or Deviation No. N° Exemption ou Déviation						
				5. PWGSC Contract No. TPSGC N° du contrat						
1.	<input type="checkbox"/>	Waiver Exemption	<input type="checkbox"/>	Deviation Déviation	1a.	Recurring Récurent				
	<input type="checkbox"/>	Technical Technique	<input type="checkbox"/>	Contractual Contractuel		<input type="checkbox"/> yes / oui				
	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/> no / non				
3.	<input type="checkbox"/>	Major Majeur	<input type="checkbox"/>	Minor Secondaire	<input type="checkbox"/>	Critical Critique				
8. Originating Date (dd/mm/yyyy) Date d'introduction (jj/mm/aaaa)										
9. Item Description / Description de l'article :						9a.		Lot No. N° de lot	Batch No N° de fabrication	Item Serial No. N° de série de l'article
						9b. Primary Equipment Affected / Équipement primaire affecté				
9c. Part or Assembly Impacted Pièce ou assemblage affectée										
9d. Impact on the Contract Impact sur le contrat										
9e. Impact on Cost Impact sur le coût										
9f. Impact on Delivery Schedule Impact sur le calendrier de livraison										
9g. Impact on other Systems (ILS, interface & software) Impact sur autres systèmes (SLI, interface & logiciel)										
10. Description of Waiver or Deviation (Non-Conformity) / Description d'exemption ou déviation (non-conformité)										
11. Reason for Waiver or Deviation (Non-Conformity) / Raison d'exemption ou déviation (non-conformité)										
12. Originator Signature Block / Bloc de signature de l'auteur										
12a. Prime Contractor / entrepreneur principal										
					Name / Nom (printed / imprimé)		Signature		Date (dd/mm/yyyy : jj/mm/aaaa)	
12b. Originator / Auteur de la demande										
(if different from 12a. / si différent de 12a.)					Name / Nom (printed / imprimé)		Signature		Date (dd/mm/yyyy : jj/mm/aaaa)	
13. Government Authorizations / Autorisations du gouvernement										
13a. Conditions to granting Waiver or Deviation / Conditions pour accorder l'exemption ou la déviation										
13b. Quality Assurance Representative / Représentant de l'assurance de la qualité										
<input type="checkbox"/> Recommended Recommandé		<input type="checkbox"/> Not Recommended Non-recommandé		Name / Nom (printed / imprimé)		Signature		Date (dd/mm/yyyy : jj/mm/aaaa)		
13c. Contractual Authority - PWGSC / Autorité contractuelle - TPSGC										
<input type="checkbox"/> Approved Approuvé		<input type="checkbox"/> Not Recommended Non-recommandé		Name / Nom (printed / imprimé)		Signature		Date (dd/mm/yyyy : jj/mm/aaaa)		
13d. Technical Authority - DND / Autorité technique - MDN										
<input type="checkbox"/> Approved Approuvé		<input type="checkbox"/> Not Approved Non-approuvé		Name / Nom (printed / imprimé)		Signature		Date (dd/mm/yyyy : jj/mm/aaaa)		