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Bid Receiving - PWGSC / Réception des soumissions -
TPSGC
11 Laurier Street/11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau
Québec
K1A 0S5

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

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

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

Comments - Commentaires

This Request for Proposal contains a security requirement.

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

Issuing Office - Bureau de distribution

Medium Support Vehicle System Project/Système de
véhicule de soutien moyen
105 Hôtel de Ville
Gatineau
Quebec
K1A 0A2

Title - Sujet MSVS - SMP Vehicles	
Solicitation No. - N° de l'invitation W8476-06MSMP/L	Amendment No. - N° modif. 008
Client Reference No. - N° de référence du client W8476-06MSMP	Date 2013-11-01
GETS Reference No. - N° de référence de SEAG PW-\$\$BW-008-23908	
File No. - N° de dossier 008bw.W8476-06MSMP	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-17	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Lortie, Yves	Buyer Id - Id de l'acheteur 008bw
Telephone No. - N° de téléphone (819) 997-7268 ()	FAX No. - N° de FAX (819) 997-0786
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See Herein	

Instructions: See Herein

Instructions: Voir aux présentes

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

Standard Military Pattern (SMP) Vehicles

Amendment # 8

This amendment is being issued to:

- revise the RFP documents

AMENDMENT TO THE RFP

1. At Part 7, Annex B - Statement of Work, Appendix BA - Vehicle Performance Requirements, Attachment BA-3 - Electronic Equipment Requirements

Delete: In its entirety

Insert: Attachment BA-3 - Electronic Equipment Requirements - Revision 1 (see attached)

2. At Part 7, Annex B - Statement of Work, Appendix BA, Attachment BA-3, Schedule BA-3-1 - Electronic Equipment Installation for Vehicle Without APS

Delete: In its entirety

Insert: Schedule BA-3-1 - Electronic Equipment Installation for Vehicle Not Designed To Accept APS - Revision 1 (see attached)

3. At Part 7, Annex B - Statement of Work, Appendix BA, Attachment BA-3, Schedule BA-3-2 - Electronic Equipment Installation for Vehicle With APS

Delete: In its entirety

Insert: Schedule BA-3-2 - Electronic Equipment Installation for Vehicle with APS - Revision 1 (see attached)

4. At Part 4, Evaluation Procedures and Basis of Selection, Attachment 5, Section 2, Schedule 5-2 - Test Matrix, Appendix 1 - TCP details and test profiles

A. Paragraph 3.3, weekly schedule, after the first sentence, page 4

Insert: The schedule will identify when the Bidder's equipment is required.

B. Paragraph 4.2 I. Mission Profile Route Sheet, first column, fifth row, page 20

Delete: Low Trial

Insert: Low Trail

Fifth row and 21st row, in the T.C. column

Delete: H

Insert: H/L

C. 4.5 Test Profile: Double Lane Change, D. Test Procedures

Sub Paragraph 1, page 37

Delete: In its entirety

Insert: The vehicle will be accelerated to an initial speed of 40 kilometers per hour (km/h) and maintain that speed, ± 2 km/h, throughout the course. Data acquisition will begin once the vehicle achieves the desired test speed, before entering the course. The Vehicle will have one run to successfully achieve each designated speed. A run is defined as three attempts at each designated speed. A run is considered successful once one of the three attempts is successful.

Sub Paragraph 2, page 37

Delete: In its entirety

Insert: Observers will monitor the run to watch for vehicle contact with cones and to record the location of each contacted cone. If any cones are found to be knocked outside of their marked location, the attempt will be considered failed and the vehicle may have up to two additional attempts at the same speed. Additional attempts may be conducted if incorrect operator input is determined to be the contributing factor to cone displacement. Cones that are partially contacted but remain upright and within the marked location will be deemed to be a successful run.

Sub Paragraph 4, page 38

Delete: In its entirety

Insert: Once the Vehicle has reached its end limit speed or has successfully completed a Double lane change manoeuvre at 90Km/hr (whichever comes first) three successful runs are required to parameterize the vehicle dynamic behaviour.

D. 4.5 Test Profile: Double Lane Change, G. Scoring Criteria, page 38

Delete: In its entirety

Insert: BA-646: The value used to evaluate this requirement will be the highest successful event speed at which the driver is able to complete three successful runs of the course in both directions.

E. 4.6 Test Profile: Braking (Stopping Distance) - B. Instrumentation and Equipment, page 39

Delete: Infrared Temperature Gun

Insert: Pyrometer

F. 4.7 Test Profile: Fine Grained Soil Tractive Effort, D. Test Procedures, page 43

2nd Paragraph, first sentence

Delete: (RCI)

Insert: (CI)

2nd Paragraph, last sentence

Delete: 0-6 inch Layer, $20 < RCI < 40$
 3-9 inch Layer, $40 < RCI < 75$
 6-12 inch Layer, $RCI > 75$

Insert: 0-6 inch Layer, $20 < CI < 40$
 3-9 inch Layer, $40 < CI < 75$
 6-12 inch Layer, $CI > 75$

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

MEDIUM SUPPORT VEHICLE SYSTEM (MSVS)

STANDARD MILITARY PATTERN (SMP)

Request For Proposal
W8476-06MSMP/L

Part 7 – Resulting Contract - Acquisition

Annex B – Statement of Work

APPENDIX BA – Vehicle Performance Requirements

Attachment BA-3 – Electronic Equipment Requirements

REVISION 1

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-1	1 Scope	N/A	N/A	N/A	N/A	N/A
BA-3-3	This Attachment describes the requirements for Electronic Equipment installation in or on the Vehicle with and without the Armoured Protection System (APS).	N/A	N/A	Information Only	Information Only	N/A
BA-3-176	2 General Requirements	N/A	N/A	N/A	N/A	N/A
BA-3-50	<p>The electronic equipment requirements in the Vehicle will differ based on the APS solution.</p> <p>For an Add-On Armour APS: Each vehicle of all variants must accommodate the following electronic equipments (see Section 3 of this attachment):</p> <ul style="list-style-type: none"> • Communications System (incl DAGR) • Electronic Counter-Measures system • Weapons Effects Simulation system (The Add-on Armour does not need to accommodate WES.) • Gun Tractor Variant only must also accommodate the Detachment Commander's Data Terminal and the Gun Tractor Cable <p>For a Replacement Cab APS, the electronic equipments for the Standard Cab and the Armoured Cab will be different as follows:</p> <p>Each Standard Cab of all variants must accommodate the following electronic equipments (see Section 4 of this attachment):</p> <ul style="list-style-type: none"> • Communications System (incl DAGR) • Weapons Effects Simulation system • Gun Tractor Variant only must also accommodate the Detachment Commander's Data Terminal and the Gun Tractor Cable <p>Each Armoured Cab of all variants must accommodate the</p>	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
	<p>following electronic equipments (see Section 5 of this attachment):</p> <ul style="list-style-type: none"> Communications System (incl DAGR) Electronic Counter-Measures system Gun Tractor Variant only must also accommodate the Detachment Commander's Data Terminal and the Gun Tractor Cable 					
BA-3-181	3 Electronic Equipment for Vehicle Where APS is Add-On Armour System - Mandatory Criteria	N/A	N/A	N/A	N/A	N/A
BA-3-309	Where the APS is an Add-On Armour System, each Vehicle of all variants shall accommodate the Communication System, the Electronic Counter Measures System and the Weapons Effects Simulation System. However, the Weapons Effects Simulation System will be removed from the Vehicle when the Armour is installed. In addition, the Gun Tractor Variant shall also accommodate the Detachment Commander's Data Terminal and Gun Tractor Cable.	N/A	N/A	Information Only	Information Only	N/A
BA-3-182	3.1 Communication System	N/A	N/A	N/A	N/A	N/A
BA-3-185	3.1.1 Communication System Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-186	The components, weights and specifications of the Communication System are as follows:	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-189	Qty 2, RAD A+ NSN 5820-21-920-6613 Tactical VHF radio with Power Amplifier and mounting tray. The approximate combined dimensions of one Radio, one Amplifier and one Mounting Tray are: 24.4 cm Wide, 21.6 cm High, 31.0 cm Deep and weighs 11.6 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> RAD A+, NSN 5820-21-920-6613 Amplifier AM-5344/VRC-513(V)2, NSN 5996-21-921-8595 Tray assembly AN/VRC-513(V), (IKEE), NSN 5975-21-921-4622 	N/A	N/A	Information Only	Information Only	N/A
BA-3-197	Qty 1, SPD1 (Single Port Dipole) NSN 5985-20-000-6885 (whip), Antenna with Base. Each Antenna with Base is approximately 330.0 cm long , and weighs approximately 5.27 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-198	Qty 4, Antenna Support DND DWG 9379174. Each Antenna Support is approximately 14.1 cm Wide, 20.3 cm High, 14.6 cm deep, and weighs approximately 0.5 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-199	DAGR (Defence Advanced GPS Receiver) NSN 582501-256-478, located in front of the passenger area; approximately 8.8 cm Wide, 16.1 cm High, 4.0 cm Deep and weighs 0.5 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> DAGR, NSN 582501-256-4783 IKEE, mounting bracket, NSN 5975-01-521-3063 	N/A	N/A	Information Only	Information Only	N/A
BA-3-200	Antenna Assembly for DAGR NSN 5985-1-521-1775, approximately 5.6 cm Wide, 3.6 cm High, 8.8 cm Deep and weighs 0.25 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-201	Qty 2, CSB (Communication Selector Box) NSN 5895-20-006-1618. Each CSB is approximately 17.9 cm Wide, 15.2 cm High, 11.1 cm Deep, and weighs 2.2 kg. Power consumption: Nil (draws from PDU-SSF)	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-202	Qty 2, Head Set NSN 5965-99-507-2471. Each Head Set weighs approximately 1 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-204	PDU-SFF (Power Distribution Unit - Small Form Factor) NSN 6110-20-006-1572, approximately 18.2 cm Wide, 15.2 cm High, 11.1 cm Deep and weighs 2.27 kg. Power consumption: 55 Amps DC.	N/A	N/A	Information Only	Information Only	N/A
BA-3-305	Passive Splitter/combiner ZAPD-2+ NSN 5898-01-476-0831, approximately 5.08 cm Wide, 5.08 cm High, 1.0 cm Deep, and weighs 0.17 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-304	Qty 3, Band Pass Filter, NSN 5915-01-446-6926. Each Band Pass Filter is approximately 4.5 cm wide, 28.0 cm High, 2.6 cm Deep and weighs approximately 0.6 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-209	3.2 Electronic Counter Measures (ECM) System	N/A	N/A	N/A	N/A	N/A
BA-3-210	3.2.1 ECM Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-212	<p>The ECM System NSN 5820-20-004-1245 is comprised of the following components:</p> <ul style="list-style-type: none"> Qty 1, ECM Unit, 48.3 cm Wide, 13.4 cm High, 81.3 cm Deep, and weighs 48.5 kg. Power consumption: 60Amps DC; Qty 2 Valcom Dual Band Antennas (Weight 4.54kg, Height 3.5m); Qty 1 Comtelco Antenna (Length 45.7cm, Weight 2.27kg); Qty 1, Remote PDA (Personal Data Assistant); Qty 1, Diplexer, 13.2 cm Wide, 11.0 cm High, 3.08 cm Deep and weighs 0.6 kg; Qty 1, Universal T-Bar Assembly, 70 cm High, weighs approx 25 kg; and Cables. 	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-213	3.3. Communication and Electronic Counter Measure (ECM) Space/Mounting/Ground Studs	N/A	N/A	N/A	N/A	N/A
BA-3-310	3.3.1 Cab Interior	N/A	N/A	N/A	N/A	N/A
BA-3-258	The Vehicle shall accommodate the Communication System inside the cab IAW Allocation Code (AC) 307.011, (refer to Schedule BA-3-2).	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-207	The Vehicle shall be provided with the space and mounting provisions for the installation of a Communication System and ECM IAW Schedule BA-3-2.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-233	The ECM Unit shall be located no closer than one meter from the Communication System.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-307	The Vehicle shall be provided with mounting provisions for the radio rack IAW Schedule BA-3-4.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-281	The Vehicle shall be provided with space and mounting provisions inside the cab for the ECM Unit IAW Schedule BA-3-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-234	One ground stud shall be provided in the cab within 100 mm for each of the following locations: <ul style="list-style-type: none"> co-located tactical radios; ECM; and each Control Selector Box (CSB). 	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-306	Space must be allocated for the Qty 3 Band Pass Filters to be installed within the vehicle between the ECM and its Antennas.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-311	3.3.2 Cab Exterior	N/A	N/A	N/A	N/A	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-208	The Vehicle shall be provided with four reinforced locations, one at each corner on the cab roof, to mount the antenna supports (Ref DND DWG 9379174) for the Communications System and ECM (Refer to Schedule BA- 3-2). The reinforced corners shall provide the space for and be able to withstand loading of the Universal T-Bar Assembly with the two ECM antennas (VDB and Comtelco) installed while executing the mission profile. The Vehicle shall be provided with a cable pass through(s) to allow installation of cables for the four antenna support mounting locations.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-231	One ground stud shall be provided on the cab exterior within 100 mm of each antenna reinforced location.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-280	Each antenna pass-through shall accommodate a removable and reusable cable sealing solution to prevent the ingress of water, dirt and sand and reduce noise and electromagnetic interference while not jeopardizing the survivability requirements described in Attachment BA-6.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-297	3.4 Weapons Effects Simulation (WES) System	N/A	N/A	N/A	N/A	N/A
BA-3-312	3.4.1 WES Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-267	The WES Power Control Unit is approximately 14.0 cm Wide, 11.0 cm High, 6.0 cm Deep and weighs approximately 0.5 kg. Power consumption: 10 amps allocated for WES in accordance with Appendix BA, Object ID BA-678.	N/A	N/A	Information Only	Information Only	N/A
BA-3-313	3.4.2 Space / Mounting / Ground Studs	N/A	N/A	N/A	N/A	N/A
BA-3-314	The WES Laser Detector Unit (LDU) will be mounted on the exterior of the Cab.	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-315	The WES cables will use pass-throughs already identified in article 3.3.2 above.	N/A	N/A	Information Only	Information Only	N/A
BA-3-299	3.4 Detachment Commanders Data Terminal (DCDT) mounting bracket	N/A	N/A	N/A	N/A	N/A
BA-3-300	The Gun Tractor Vehicle variant shall be provided with Detachment Commanders Data Terminal (DCDT) mounting bracket IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-301	3.5 Gun Data Cable	N/A	N/A	N/A	N/A	N/A
BA-3-302	The Gun Tractor vehicle variant shall be provided with the Gun Data Cable installed IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-178	4 Electronic Equipment for Vehicle with Standard Cab Where APS is a Replacement Cab System - Mandatory Criteria	N/A	N/A	N/A	N/A	N/A
BA-3-316	Where the APS is a Replacement Cab Armour System, the Standard Cab of each Vehicle of all variants shall accommodate the Communication System and the Weapons Effects Simulation System. In addition, the Gun Tractor Variant shall also accommodate the Detachment Commander's Data Terminal and Gun Tractor Cable.	N/A	N/A	Information Only	Information Only	N/A
BA-3-4	4.1 Communication System	N/A	N/A	N/A	N/A	N/A
BA-3-10	4.1.1 Communication System Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-11	The components, weights and specifications of the Communication System are as follows:	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-14	Qty 2, RAD A+ NSN 5820-21-920-6613 Tactical VHF radio with Power Amplifier and mounting tray. The approximate combined dimensions of one Radio, one Amplifier and one Mounting Tray are: 24.4 cm Wide, 21.6 cm High, 31.0 cm Deep and weighs 11.6 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> RAD A+, NSN 5820-21-920-6613 Amplifier AM-5344/VRC-513(V)2, NSN 5996-21-921-8595 Tray assembly AN/VRC-513(V), (IKEE), NSN 5975-21-921-4622 	N/A	N/A	Information Only	Information Only	N/A
BA-3-16	Qty 2, SPD1 (Single Port Dipole) NSN 5985-20-000-6885 (whip), Antenna with Base. Each Antenna with Base is approximately 330.0 cm long , and weighs approximately 5.27 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-99	Qty 2, Antenna Support DND DWG 9379174. Each Antenna support is approximately 14.1 cm Wide, 20.3 cm High, 14.6 cm deep, and weighs approximately 0.5 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-19	DAGR (Defence Advanced GPS Receiver) NSN 582501-256-478 256-478, located in front of the passenger area; approximately 8.8 cm Wide, 16.1 cm High, 4.0 cm Deep and weighs 0.5 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> DAGR, NSN 582501-256-4783 IKEE, mounting bracket, NSN 5975-01-521-3063 	N/A	N/A	Information Only	Information Only	N/A
BA-3-96	Antenna Assembly for DAGR NSN 5985-1-521-1775, approximately 5.6 cm Wide, 3.6 cm High, 8.8 cm Deep and weighs 0.25 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-70	Qty 2, CSB (Communication Selector Box) NSN 5895-20-006-1618. Each CSB is approximately 17.9 cm Wide, 15.2 cm High, 11.1 cm Deep and weighs 2.2 kg. Power consumption: Nil (draws from PDU-SSF)	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-97	Qty 2, Head Set NSN 5965-99-507-2471. Each Head Set weighs approximately 1 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-72	PDU-SFF (Power Distribution Unit - Small Form Factor) NSN 6110-20-006-1572, approximately 18.2 cm Wide, 15.2 cm High, 11.1 cm Deep and weighs 2.27 kg. Power consumption: 55 Amps DC.	N/A	N/A	Information Only	Information Only	N/A
BA-3-103	4.1.2 Space / Mounting / Ground Studs	N/A	N/A	N/A	N/A	N/A
BA-3-9	The Vehicles shall accommodate the Communication System inside the cab IAW Allocation Code (AC) 307.011, (refer to Schedule BA-3-1).	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-85	The Vehicles shall be provided with the space and mounting provisions for the installation of a Communication System IAW Schedule BA-3-1.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-282	The Vehicle shall be provided with mounting provisions for the Radio Rack IAW Schedule BA-3-4.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-237	One ground stud shall be provided in the cab within 100 mm for each of the following locations: <ul style="list-style-type: none"> co-located tactical radios; and each Control Selector Box (CSB) 	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-119	The Vehicles shall be provided with four reinforced locations, one at each corner on the cab roof, to mount the antenna supports (Ref DND DWG 9379174) for the Communication System. The Vehicle shall be provided with a cable pass-through(s) to allow installation of cables for the four antenna support mounting locations. The pass-through(s) shall be sealed with removable and reusable parts when the antenna cables are removed.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-230	One ground stud shall be provided on the cab exterior within 100 mm of each antenna reinforced location.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-278	Each antenna pass-through shall accommodate a removable and reusable cable sealing solution to prevent the ingress of water, dirt and sand and reduce noise and electromagnetic interference.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-317	4.2 Weapons Effects Simulation (WES)	N/A	N/A	N/A	N/A	N/A
BA-3-318	4.2.1 WES Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-319	The WES Power Control Unit is approximately 14.0 cm Wide, 11.0 cm High, 6.0 cm Deep and weighs approximately 0.5 kg. Power consumption: 10 amps allocated for WES in Appendix BA, Object ID BA-678.	N/A	N/A	Information Only	Information Only	N/A
BA-3-320	4.2.2 Space / Mounting / Ground Studs	N/A	N/A	N/A	N/A	N/A
BA-3-321	The WES Laser Detector Unit (LDU) will be mounted on the exterior of the Cab.	N/A	N/A	Information Only	Information Only	N/A
BA-3-322	The WES cables will use pass-throughs already identified in article 4.1.2 above.	N/A	N/A	Information Only	Information Only	N/A
BA-3-293	4.3 Detachment Commanders Data Terminal (DCDT) mounting bracket	N/A	N/A	N/A	N/A	N/A
BA-3-294	The Gun Tractor Vehicle variant shall be provided with Detachment Commanders Data Terminal (DCDT) mounting bracket IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-295	4.4 Gun Data Cable	N/A	N/A	N/A	N/A	N/A
BA-3-296	The Gun Tractor Vehicle variant shall be provided with the Gun Data Cable installed IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-323	5 Electronic Equipment for Vehicle with Armoured Cab Where APS is a Replacement Cab System - Mandatory Criteria	N/A	N/A	N/A	N/A	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-324	Where the APS is a Replacement Cab Armour System, the Armoured Cab of each Vehicle of all variants shall accommodate the Communication System and the Electronic Counter Measures System. In addition, the Gun Tractor Variant shall also accommodate the Detachment Commander's Data Terminal and Gun Tractor Cable.	N/A	N/A	Information Only	Information Only	N/A
BA-3-325	5.1 Communication System	N/A	N/A	N/A	N/A	N/A
BA-3-326	5.1.1 Communication System Specifications	N/A	N/A	N/A	N/A	N/A
BA-3-327	The components, weights and specifications of the Communication System are as follows:	N/A	N/A	Information Only	Information Only	N/A
BA-3-328	Qty 2, RAD A+ NSN 5820-21-920-6613 Tactical VHF radio with Power Amplifier and mounting tray. The approximate combined dimensions of one Radio, one Amplifier and one Mounting Tray are: 24.4 cm Wide, 21.6 cm High, 31.0 cm Deep and weighs 11.6 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> RAD A+, NSN 5820-21-920-6613 Amplifier AM-5344/VRC-513(V)2, NSN 5996-21-921-8595 Tray assembly AN/VRC-513(V), (IKEE), NSN 5975-21-921-4622 	N/A	N/A	Information Only	Information Only	N/A
BA-3-329	Qty 1, SPD1 (Single Port Dipole) NSN 5985-20-000-6885 (whip), Antenna with Base. Each Antenna with Base is approximately 330.0 cm long and weighs approximately 5.27 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-330	Qty 4, Antenna Support DND DWG 9379174. Each Antenna support is approximately 14.1 cm Wide, 20.3 cm High, 14.6 cm deep, and weighs approximately 0.5 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-331	DAGR (Defence Advanced GPS Receiver) NSN 582501-256-478, located in front of the passenger area; approximately 8.8 cm Wide, 16.1 cm High, 4.0 cm Deep and weighs 0.5 kg. Power consumption: Nil (draws from PDU-SSF) <ul style="list-style-type: none"> DAGR, NSN 582501-256-4783 IKEE, mounting bracket, NSN 5975-01-521-3063 	N/A	N/A	Information Only	Information Only	N/A
BA-3-332	Antenna Assembly for DAGR NSN 5985-1-521-1775, approximately 5.6 cm Wide, 3.6 cm High, 8.8 cm Deep and weighs 0.25 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-333	Qty 2, CSB (Communication Selector Box) NSN 5895-20-006-1618. Each CSB is approximately 17.9 cm Wide, 15.2 cm High, 11.1 cm Deep and weighs 2.2 kg. Power consumption: Nil (draws from PDU-SSF)	N/A	N/A	Information Only	Information Only	N/A
BA-3-334	Qty 2, Head Set NSN 5965-99-507-2471. Each Head Set weighs approximately 1 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-336	PDU-SFF (Power Distribution Unit - Small Form Factor) NSN 6110-20-006-1572, approximately 18.2 cm Wide, 15.2 cm High, 11.1 cm Deep and weighs 2.27 kg. Power consumption: 55 Amps DC.	N/A	N/A	Information Only	Information Only	N/A
BA-3-337	Passive Splitter/combiner ZAPD-2+ NSN 5898-01-476-0831, approximately 5.08 cm Wide, 5.08 cm High, 1.0 cm Deep, and weighs 0.17 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-338	Qty 3, Band Pass Filter, NSN 5915-01-446-6926. Each Band Pass Filter is approximately 4.5 cm wide, 28.0 cm High, 2.6 cm Deep and weighs approximately 0.6 kg. Power consumption: Nil	N/A	N/A	Information Only	Information Only	N/A
BA-3-348	5.2 Electronic Counter Measures (ECM) System	N/A	N/A	N/A	N/A	N/A
BA-3-349	5.2.1 ECM Specifications	N/A	N/A	N/A	N/A	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-350	<p>The ECM System NSN 5820-20-004-1245 is comprised of the following components:</p> <ul style="list-style-type: none"> Qty 1, ECM unit, 48.3 cm Wide, 13.4 cm High, 81.3 cm Deep, and weighs 48.5 kg. Power consumption: 60Amps DC; Qty 2 Valcom Dual Band Antennas (Weight 4.54kg, Height 3.5m); QTY 1 Comtelco Antenna (Length 45.7cm, Weight 2.27kg); Qty 1, Remote PDA (Personal Data Assistant); Qty 1, Diplexer, 13.2 cm Wide, 11.0 cm High, 3.08 cm Deep and weighs 0.6 kg; Qty 1, Universal T-Bar Assembly, 70 cm High, weighs approx 25 kg; and Cables. 	N/A	N/A	Information Only	Information Only	N/A
BA-3-339	5.3. Communication and Electronic Counter Measure (ECM) Space/Mounting/Ground Studs	N/A	N/A	N/A	N/A	N/A
BA-3-360	5.3.1 Cab Interior	N/A	N/A	N/A	N/A	N/A
BA-3-340	The Vehicle shall accommodate the Communication System inside the cab IAW Allocation Code (AC) 307.011, (refer to Schedule BA-3-2).	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-341	The Vehicle shall be provided with the space and mounting provisions for the installation of a Communication System and ECM IAW Schedule BA-3-2.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-361	The ECM Unit shall be located no closer than one meter from the Communication System.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-362	The Vehicle shall be provided with mounting provisions for the radio rack IAW Schedule BA-3-4.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-363	The Vehicle shall be provided with space and mounting provisions inside the cab for the ECM Unit IAW Schedule BA-3-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-364	One ground stud shall be provided in the cab within 100 mm for each of the following locations: <ul style="list-style-type: none"> co-located tactical radios; ECM; and each Control Selector Box (CSB). 	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-365	Space must be allocated for the Qty 3 Band Pass Filters to be installed within the vehicle between the ECM and its Antennas.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-366	5.3.2 Cab Exterior	N/A	N/A	N/A	N/A	N/A
BA-3-342	The Vehicle shall be provided with four reinforced locations, one at each corner on the cab roof, to mount the antenna supports (Ref DND DWG 9379174) for the Communications System and ECM (Refer to Schedule BA- 3-2). The reinforced corners shall provide the space for and be able to withstand loading of the Universal T-Bar Assembly with the two ECM antennas (VDB and Comtelco) installed while executing the mission profile. The Vehicle shall be provided with a cable pass through(s) to allow installation of cables for the four antenna support mounting locations.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-343	One ground stud shall be provided on the cab exterior within 100 mm of each antenna reinforced location.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-344	Each antenna pass-through shall accommodate a removable and reusable cable sealing solution to prevent the ingress of water, dirt and sand and reduce noise and electromagnetic interference while not jeopardizing the survivability requirements described in Attachment BA-6.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-356	5.3 Detachment Commanders Data Terminal (DCDT) mounting bracket	N/A	N/A	N/A	N/A	N/A

ID	SMP - Attachment BA-3 - Electronic Equipment Requirements	RV	TCM	Proposal Compliance Method	Evaluation Point Allocation	Proposal Reference
BA-3-357	The Gun Tractor Vehicle variant shall be provided with Detachment Commanders Data Terminal (DCDT) mounting bracket IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-358	5.4 Gun Data Cable	N/A	N/A	N/A	N/A	N/A
BA-3-359	The Gun Tractor Vehicle variant shall be provided with the Gun Data Cable installed IAW attachment BA-5.	CON	N/A	SOC	Mandatory Requirement. No points allotted	N/A
BA-3-287	6 EMI/EMC and RF Safety Testing	N/A	N/A	N/A	N/A	N/A
BA-3-289	The Canada conducted EMI/EMC and RF Safety Testing is contained in Schedule BA-3-3 for reference purposes.	N/A	N/A	Information Only	Information Only	N/A

MEDIUM SUPPORT VEHICLE SYSTEM (MSVS)

STANDARD MILITARY PATTERN (SMP)

REQUEST FOR PROPOSAL (RFP)
W8476-06MSMP/L

Part 7 - Resulting Contract - Acquisition

ANNEX B – STATEMENT OF WORK

APPENDIX BA – VEHICLE PERFORMANCE REQUIREMENTS

ATTACHMENT BA-3 – ELECTRONIC EQUIPMENT REQUIREMENTS

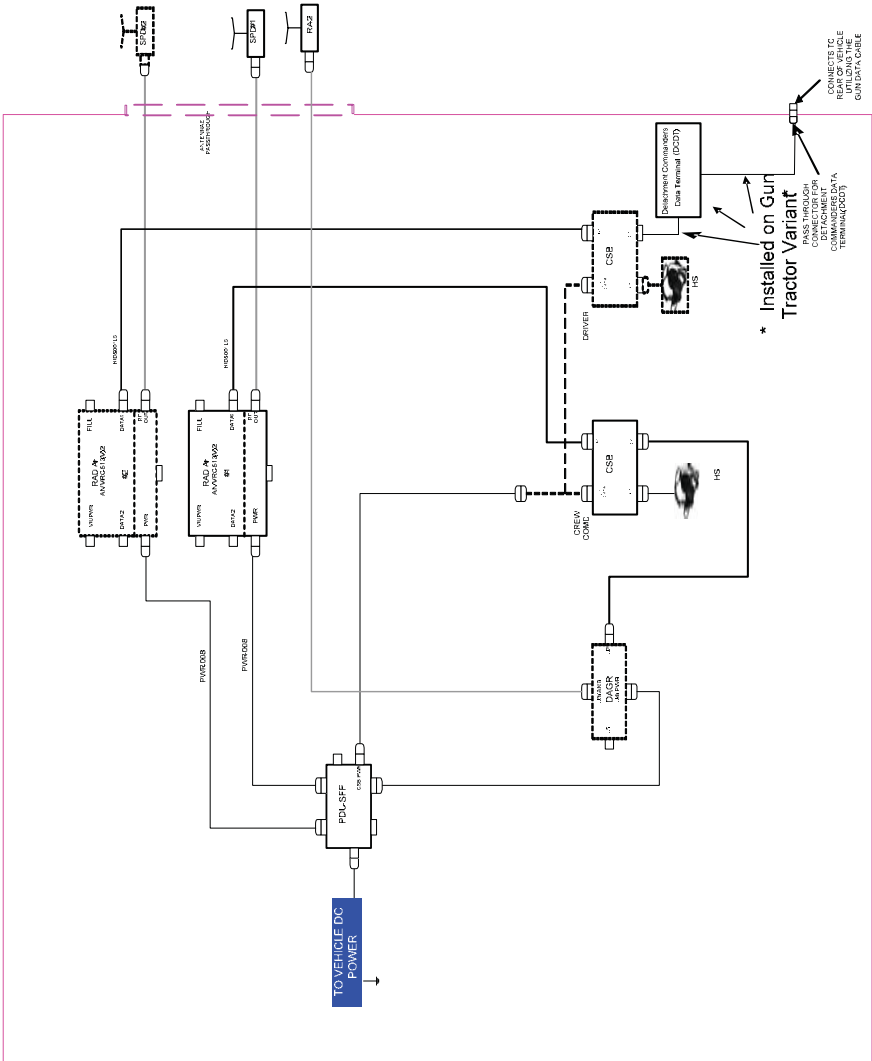
SCHEDULE BA-3-1 – ELECTRONIC EQUIPMENT INSTALLATION FOR VEHICLE NOT DESIGNED
TO ACCEPT APS

REVISION 1

Version 2.5

Electronic Equipment
Installation Diagram for
vehicle cabs not
designed to accept APS

10 Jun 13



MEDIUM SUPPORT VEHICLE SYSTEM (MSVS)

STANDARD MILITARY PATTERN (SMP)

REQUEST FOR PROPOSAL (RFP)
W8476-06MSMP/L

Part 7 - Resulting Contract - Acquisition

ANNEX B – STATEMENT OF WORK

APPENDIX BA – VEHICLE PERFORMANCE REQUIREMENTS

ATTACHMENT BA-3 – ELECTRONIC EQUIPMENT REQUIREMENTS

SCHEDULE BA-3-2 – ELECTRONIC EQUIPMENT INSTALLATION FOR VEHICLE WITH APS

REVISION 1

Version 2.6
Electronic Equipment
Installation Diagram For
Armoured cabs or
cabs able to accept
APS

10 Jun 13

