

**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  
Core 0A1

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

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

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

**Comments - Commentaires**

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

**Issuing Office - Bureau de distribution**  
Tactical Armoured Patrol Vehicle Project/Projet du  
véhicule blindé tactique de patrouille.  
105 Hotel de Ville, 3rd Floor  
Gatineau  
Quebec  
K1A 0S5

<b>Title - Sujet</b> Rugged Processors & Displays	
<b>Solicitation No. - N° de l'invitation</b> W847L-140063/A	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> W847L-140063	<b>Date</b> 2013-10-03
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$TAP-004-23919	
<b>File No. - N° de dossier</b> 004tap.W847L-140063	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2013-10-31</b>	
<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Vallee, Jackie	<b>Buyer Id - Id de l'acheteur</b> 004tap
<b>Telephone No. - N° de téléphone</b> (819) 997-1709 ( )	<b>FAX No. - N° de FAX</b> (819) 997-0786
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<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</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**AMENDMENT 007:**

The purpose of this amendment is to:

1. Amend portions of the Statement of Work and its appendices; and
2. Provide answers to suppliers' questions.

**THE FOLLOWING MODIFICATIONS AND CLARIFICATIONS FORM PART OF THE SOLICITATION:**1. Modifications related to Supplier Question #33

- (a) At Appendix A1, Paragraph 2.1.13.1, and Appendix C1, item 2.1.13.1

**DELETE** in its entirety.

**INSERT** in lieu:

The RP-T shall operate normally under all steady state, surge, spike and ripple conditions (excluding those for generator only operation) described in the MIL-STD-1275D standard, when receiving direct current (DC) power from a vehicle power source. The RP-T shall not be damaged by starting disturbances described in the MIL-STD-1275D standard, when operated and receiving DC power from a vehicle power source; however, the RP-T may cease operation until vehicle power is restored to within the steady state limits.

- (b) At Appendix A2, Paragraph 2.1.9.1 and Appendix C3, item 2.1.9.1

**DELETE** in its entirety.

**INSERT** in lieu:

The RD-T shall operate normally under all steady state, surge, spike and ripple conditions (excluding those for generator only operation) described in the MIL-STD-1275D standard, when receiving direct current (DC) power from a vehicle power source. The RD-T shall not be damaged by starting disturbances described in the MIL-STD-1275D standard, when operated and receiving DC power from a vehicle power source; however, the RD-T may cease operation until vehicle power is restored to within the steady state limits.

2. Modifications related to Supplier Question #34

- (a) At Appendix A2, after Paragraph 2.1.9.2:

**INSERT:**

2.1.9.3 The RD-T shall not exceed a current draw of 11.0 Amperes (at 28.0 Volts DC(VDC)) while connected to vehicle power.

- (b) At Appendix C3, after item 2.1.9.2

**INSERT:**

2.1.9.3	The RD-T shall not exceed a current draw of 11.0 Amperes (at 28.0 Volts DC(VDC)) while connected to vehicle power.	Bid Sample	Bidders shall provide a bid sample representative of the equipment offered	DND will confirm compliance through measurement of the current drawn by the RD-T while operating under all test conditions.
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Solicitation No. - N° de l'invitation

W847L-140063/A

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

W847L-140063

Amd. No. - N° de la modif.

007

File No. - N° du dossier

004tapW847L-140063

Buyer ID - Id de l'acheteur

004tap

CCC No./N° CCC - FMS No/ N° VME

3. Modifications related to Supplier Question #40

At Appendix A1, Paragraph 2.1.5.7 and Appendix C2, item 2.1.5.7:

**DELETE:** 0604.5

**INSERT** in lieu: 0604.2

4. Modification related to Supplier Question #41

At Appendix A2, Paragraph 2.1.13.3 and Appendix C3, item 2.1.13.3:

**DELETE:** 8.0 Kg

**INSERT** in lieu: 9.0 Kg

5. Modifications related to Supplier Question #42

(a) At Appendix A1, Paragraph 2.1.13.4 and Appendix C2, item 2.1.13.4

**DELETE:** (mode S1 or S2)

**INSERT** in lieu: (mode S1, S2 or S3)

(b) At Appendix A1, Paragraph 2.1.13.5 and Appendix C2, item 2.1.13.5

**DELETE:** (mode S3 or S4)

**INSERT** in lieu: (mode S4)

6. List of Suppliers' Questions:

#	RFP Ref.	Question	Answer
33	Appendix A1, 2.1.13.1 and Appendix A2, 2.1.9.1	The Reference states: The RP-T (RD-T) shall operate normally when receiving direct current (DC) power from a MIL-STD-1275D-compliant power source installed in the vehicle.  <b>Question: Does the power source fully comply to MIL-STD-1275D in addressing surge, spike, ripple and starting disturbances?</b>	Yes, bidders should assume that the vehicle power source fully complies with MIL-STD-1275D. MIL-STD-1275D covers the voltage characteristics of 28 VDC electrical power systems for military ground vehicles. It therefore describes the power quality challenges that an electrical equipment installed in ground vehicles is expected to survive. The requirement was clarified; please refer to the amendment section.

#	RFP Ref.	Question	Answer
34	Appendix A2, 2.1.9	<b>Question: The Specification for RD-T does not include maximum available current to run the display. Please specify.</b>	The maximum current available for both the RP-T and the RD-T is 15 Amperes. It is assumed that the RD-T current will normally be moderate, but may be higher during startup at colder temperatures. The specification is amended. Please refer to the amendment section.
35	Appendix A2, 2.1.11.4	The reference states: The RD-T shall commence operation within fifteen (15) minutes, during and after exposure to an operating ambient air temperature range of -40C in accordance with: MIL-STD-810G Method 502.5 - Low Temperature, Procedure II - Operation  <b>Question: Is there a power budget available to run heaters in the RD-T to meet the 15 minute start up requirement at -40C as per section 2.1.11.4?</b>	Yes, please see response to Q34.
36	Appendix A1, 2.1.9.2	The reference states: The RP-T shall support three security domains  <b>Question: Are there any specific Evaluation Assurance Level requirements for the three domains?</b>	No, there aren't any specific evaluation assurance level requirements.
37	Appendix A1, 2.1.8.1	The reference states: The RP-T shall be capable of installing and running the Microsoft® Windows 7 Professional 64 bit operating system as its native operating system.  <b>Question: If the system has to run three security domains, is the assumption that this would be three guest instances of Windows 7 64-bit running in conjunction with a suitable secure aware hypervisor?</b>  <b>If so, is there a particular brand and type of hypervisor that should be used in the system, for example VMWare ESXi, XEN, KVM, WindRiver MILS, LynxSecure, Integrity-178B.</b>  <b>If you are not planning to use a Hypervisor, only Windows for domain separation, is there a particular application or utility that you intend to use to provide secure domains?</b>	Yes, the use of a secure hypervisor is planned for some applications. A particular brand has not been selected. The Crown will be responsible for the selection and installation of the hypervisor where required and any related software licensing.
38	Nil	<b>Question: Can you confirm how the rugged processor will be cooled. Will only it be by free air convection cooling or will the system sit on a conductive plate which will provide some additional cooling.</b>	The RP-T will be primarily cooled through free air convection cooling. Conduction cooling will be limited as the RP-T will be hard mounted to brackets attached to the vehicle hull, as space permits. The contact area between the RP-T and the brackets, and the potential for heat flow through the brackets can not be specified.

#	RFP Ref.	Question	Answer
39	Nil	<b>Question: Could you clarify if there are any IRB or Canadian Content requirements associated with RFP Solicitation number W847L-140063/A?</b>	No, there are no IRB requirements.
40	Appendix A1, 2.1.5.7	The reference states: The video acquisition system should support the embedding of KLV (Key-Length-Value) metadata (computed and supplied by an external process) into the encoded video stream consistent with the formats and complexity specified within Motion Imagery Standards Board (MISB) standard 0604.5  <b>Question: Is 0604.5 the required version or is 0604.2 intended/acceptable?</b>	The reference to 0604.5 was a transcription error. The 0604.2 version is current and was intended. The requirement is amended.
41	Appendix A2, 2.1.13.3	The reference states: The RD-T shall weigh less than 8.0 Kg  <b>Question: Can the maximum weight for the RD-T be increased from less than 8.0 Kg to less than 9.0?</b>	Yes. The maximum weight can be increased to 9.0 Kg. Please refer to the amendment section.
42	Appendix A1, 2.1.13.4	The reference states: The RP-T should support a low latency ACPI sleep state (mode S1 or S2). If offered, the RP-T must not exceed a current draw of 0.75 Amperes (at 28.0 VDC) if connected to power and in a low latency sleep mode to be considered compliant  <b>Question: Can you clarify the rated requirement (at 2.1.13.4) to provide guidance on how we should approach compliance?</b>	The requirements are amended. Please see the amendment section.
43	Annex A, Section 2	<b>Question: Can you please supply a copy of CID/09/15A?</b>	The referenced document is available only through request from the original source and would require that the requesting organization hold an appropriate security clearance. NOTE: Emission security accreditation is a specialist capability that is desirable but not mandatory to respond to this bid solicitation.

**ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION REMAIN UNCHANGED.**