



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 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

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

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

Comments - Commentaires

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

Issuing Office - Bureau de distribution
Defence Communications Division. (QD)
11 Laurier St./11, rue Laurier
Place du Portage, Phase III, 8C2
Gatineau, Québec K1A 0S5

Title - Sujet VIP RFP	
Solicitation No. - N° de l'invitation W8486-135152/D	Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client W8486-135152	Date 2017-03-30
GETS Reference No. - N° de référence de SEAG PW-\$\$QD-035-26158	
File No. - N° de dossier 035qd.W8486-135152	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-04-07	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Weronski, Radek	Buyer Id - Id de l'acheteur 035qd
Telephone No. - N° de téléphone (819) 420-1774 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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

Questions from Potential Bidders and Answers from Canada

Q31: Can you provide a source of supply on 0976454. This is a cast part and the NRE of going to a new supplier would be significant.

A31: The source of supply for Housing 0976454 and Bracket, Guard 0976471 that was used during VIP Mk25 pre-production was Shellcast Foundries Inc, Montreal. Shellcast has been authorized to use existing casting tooling for all bidders, thereby eliminating non-recurring engineering (NRE) costs. It is up to the bidder to ascertain the number of shots remaining on the tooling. The above does not prevent bidders from securing other sources of supply.

Q32: In the RFP, Annex A SOW Section 5.2.2.8: “ with the pass criteria being each discrete AC item having less than 20mA ground leakage” can you confirm that AC stands for Alternative Current?

A32: In the context of Paragraph 5.2.2.8 of Annex A (goods) AC means Alternating Current. Paragraph 5.2.2.8 of Annex A (goods) and the Dictionary of Terms and Acronyms in Annex A (goods) will be revised accordingly

Q33: RFP, Annex A SOW Section 5.2.2.11.1.5 states that “The Contractor must verify the vibration profile and vibration platform configuration on the first LRIP VIP Mk25 by placing accelerometers in strategic locations on and inside the unit and checking for resonance.” Can you confirm that the purpose of having these accelerometers:

- a. Outside the unit - is to validate that the external body of the UUT experience the vibration profile (RFP – SOW section Figure A-23 without any resonant frequency
- b. Inside the unit - is to monitor the vibration profile experienced by the CCAs combo inside the unit. Since there is some chock absorber, please confirm that these data are for information only and won't be consider in Vibration Setup Verification.

A33: As indicated in Paragraph 5.2.2.11.1.5 of Annex A (goods), the TA will work with the Contractor to determine approved locations for the placement of the accelerometers.

- a. Yes, the accelerometers placed on the outside of the VIP Mk25 are to verify that Units Under Test (UUT) experience the vibration profile without any resonant frequencies.
- b. Accelerometers placed inside the VIP Mk25 are to verify that significant locations (e.g. CCAs, Ethernet Switch, Power Supply Module) within the VIP Mk25 enclosure do not experience any resonant frequencies.

Q34: The Label Brady THT-2-478-10 called up on 0976492 Rev A is obsolete and as per the local distributor it has been replaced with Brady THT-2-718-10. May we quote & build 0976492 Rev A with Brady THT-2-718-10.

A34: Yes label Brady THT-2-718-10 may be used as a substitute for label Brady THT-2-478-10. The Approved Vendors List (AVL) will be revised accordingly.

Q35: PL-0976590-1_Rev-_Redlined.pdf àFind # 1 (MAGBES-12S XTEST-1) has been superseded with MAGBES-12C1. I would like to confirm that the Extended temperature test, -40°C up to +85°C (XTEST-1 suffix) has been dropped for MAGBES-12C1.

A35: DWG-0976590_RevA_Redlined.pdf, Note 2.A indicates that Environmental Stress Screening (ESS) (i.e. extended temperature tests) must be conducted on each Assembly, Ethernet Fiber Switch. Extended temperature tests will therefore **not be dropped**. Also DWG-0976590_RevA_Redlined.pdf, Note 2.B

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indicates ESS lower and upper temperature limits of -45°C and +90°C. PL-0976590-1_Rev-_Redlined.pdf, Find#1 description will be revised:

From: “MODULE ETHERNET SWITCH GIGABIT 3CU+2FO SE513 PORTS -40+85 ROHS”

To: “MODULE ETHERNET SWITCH GIGABIT 3CU+2FO SE513 PORTS -40+90 ROHS”

Q36: The following question is specific to Annex A section 4.2.2.8.1 Third Party Cleanliness Testing. What are the specifications which the Third Party has to follow to perform the Cleanliness and Reliability Testing (ie shear, drop and pull testing)?

A36: As specified in Paragraph 4.2.2.8.1 of Annex A (goods) and Data Item Description SE-005 of Appendix A2 of Annex A (goods), the Contractor must conduct and report Third Party Reliability and Cleanliness Testing for each Circuit Card Assembly (CCA) type, as part of the VIP MK25 First Article Inspection.

Such cleanliness testing is the same as the on-going Sample Testing detailed in Paragraph 5.2.2.4.5 of Annex A (goods) where the relevant standards are specified.

With respect to reliability testing, IEC 62137-1 must be followed for pull type mechanical stress testing, IEC 62137-2 must be followed for shear type mechanical testing, and JESD22-B111A must be followed for drop type mechanical testing. In all three test cases, actual VIP Mk25 CCAs must be used.

Paragraph 4.2.2.8.1 of Annex A (goods) will be revised accordingly.

Q37: If a Mk25 unit is scrapped, can any portion of the sub assembly (cable harnesses, COTS) be re-used if after it gets re-validated?

A37: It's not possible to anticipate the reasons for which the Contractor might choose to “scrap” an assembled VIP Mk25. Perhaps the bidder is referring to:

- Paragraphs 5.2.3.4.d and 5.2.3.5.d of Annex A (goods) which require the Contractor to send faulty units that have been subjected to three (3) vibration or thermal tests to the Contractor's Manufacture Review Board (MRB) for disposal, or
- if rework to a specific area is greater than that recommended by IPC standards, or
- if a UUT, device, or component does not meet IPC standards, or does not pass tests and can't be repaired”.

It's sufficient to reiterate Paragraph 3.1.3 of Annex A (goods) which states that, “the Contractor must use only component parts and material that are new production of current manufacture supplied by the principal manufacturer or its accredited agent. All component parts and material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, in effect on the bid closing date, or as revised by way of a design change, deviation or waiver approved per Paragraph 3.1.2 [of Annex A goods]. The Contractor must not use component parts and materials that have been refurbished or are certified as “equal to new quality””.

Q38: Section 5.2.4.1 identifies that the tempest test standard to be used is CID/09/15A. Since there are 3 different levels (1, 2 or 3) for this CID/09/15A standard, can the crown confirm which level is required for the tempest test?

A38: There is no need for bidders to know this information.

Q39: Section 5.2.4.4.1 Tempest test provider mentioned that detailed report or “Pass certificates” can be provided for products that undergo testing. For units that pass the tempest testing, can “pass certificates”

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from the tempest facility be used to document units that have passed the tempest testing instead of a written report?

Q39: The bidder misunderstands the process. The government-designated TEMPEST Test facility that is mentioned throughout Section 5.2.4 of Annex A (goods) is a third party currently under contract with the TA to provide this service at government expense. The name and address of the third party will be provided to the winning bidder (i.e. Contractor). There is no need for bidders to secure the services of a TEMPEST Test provider.

Per Section 5.2.4 of Annex A (goods) the process is as summarized below (assuming a “pass” result).

1. The Contractor must, at the Contractor’s expense:
 - a. select samples from each VIP Mk25 batch;
 - b. ship the samples to the government-designated facility;
 - c. advise the TA regarding the details of the shipment; and
 - d. not deliver the batch.
2. The government-designated test facility will, at government expense:
 - a. conduct TEMPEST testing on the samples;
 - b. report the pass test results to the TA; and
 - c. return the samples to the Contractor.
3. The TA will notify the Contractor of the pass result.
4. The Contractor must, at the Contractor’s expense:
 - a. conduct Functional Testing on the samples; and
 - b. deliver the samples and the batch.

In the case of a “fail” result, the process steps after 2.b above differ as detailed in Section 5.2.4 of Annex A (goods), in which case only, the Contractor must submit a “written report” to the TA as part of the Contractor’s Failure Investigation per Paragraph 5.2.4.4.2.3.

Q40: The second paragraph of Section 2.1 states that “All Contractor costs must be included within the firm unit pricing”. We would like to confirm that this would mean: any Non-Recurring Expenses (NRE) associated with Set-up/Tooling charges for components and or any up-front fees associated with working with subcontractors, would need to be amortized into this firm unit price?

A40: Yes

Q41: If these above mentioned Non-Recurring Charges were significant is there a way for them to claim for payment as they are being incurred?

A41: No

Q42: In the RFP, Annex A SOW Section 5.2.2.8: it is mentioned that the pass criteria is equal that “ each discrete AC item having less than 20mA ground leakage”. Can you clarify the meaning of “each discrete AC item” so we can properly assess the Hi-Pot test point we have to consider?

A42: The requirement for Hi-pot Testing of VIP Mk25 *Top Level Assemblies (TLA)* per Paragraph 5.2.2.8 of Annex A (goods) is hereby removed. However, the requirement for Dielectric Withstand Voltage (DWV)/Hi-pot Testing of *Cable Harnesses* per Subparagraph c. of Paragraph 5.2.2.6 of Annex A (goods) remains. The following documentation changes will be made:

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- a. **Paragraph 5.2.2.8 (Hi-Pot Testing) of Annex A (goods) (Statement of Work):** While the paragraph number and heading will remain, the text will be replaced by the text, “Requirement Removed”.
- b. **Paragraph 10.2.2.6 (Hi-pot Test Plan) of Data Item Description SE-002 (Test Plan) of Appendix A2 (Deliverable Data) of Annex A (goods) (Statement of Work):** While the paragraph number and heading will remain, the text will be replaced by the text, “Requirement Removed”.
- c. **Requirement No. 6 (Hi-Pot Test Plan) of Table 3 (Point Rated Technical Requirements – Test Plan Evaluation Matrix) of Annex G (Compliance and Evaluation Matrices):** While the requirement number and test plan topic will remain, the requirement details will be replaced by the text, “Requirement Removed”. All bidders will be awarded the full ten (10) points.

Q43: In regards to the tempest testing, the 3rd party needs some additional equipment to power up the unit and pass traffic to perform this test. Will the Government be providing this equipment or should we make assumptions to purchase this additional equipment?

A43: The government-designated TEMPEST Test facility that is mentioned throughout Section 5.2.4 of Annex A (goods) is a third party currently under contract with the TA to provide this service at government expense. The government-designated TEMPEST Test facility has the necessary equipment to conduct the required testing.