

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Travaux publics et Services gouvernementaux
Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7^{ème} étage
Montréal
Québec
H5A 1L6
FAX pour soumissions: (514) 496-3822

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
Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Est
800, rue de La Gauchetière Ouest
7^{ème} étage
Montréal
Québec
H5A 1L6

Title - Sujet STDP10 - DEV. DES TECH. SPATIALES	
Solicitation No. - N° de l'invitation 9F063-140909/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 9F063-140909	Date 2015-06-05
GETS Reference No. - N° de référence de SEAG PW-\$MTB-575-13259	
File No. - N° de dossier MTB-5-38005 (575)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-07-22	
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: Jurca, Anca	Buyer Id - Id de l'acheteur mtb575
Telephone No. - N° de téléphone (514) 496-3378 ()	FAX No. - N° de FAX (514) 496-3822
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

PROJECT TITLE: Technologies Development for potential Space Missions

The above mentioned Request for Proposal (RFP) is hereby amended to:

1. answer question received;
2. make changes.

Question 1: Can you please provide the final reports developed under contract 9F063-12-0711_001: Dust mitigation Technologies (Moon and Mars) ?

Answer 1: The current SOW for Priority Technology 3 (PT3) was prepared in light of the lessons learned and the preliminary test results from the previous contract (9F063-12-0711_001), by incorporating the relevant information in the text and requirements. The reports and test results from the previous contract were limited in scope and do not offer any further useful information or lessons necessary for the preparation of a proposal under the current RFP. For these reasons, and in order to maintain competitiveness, it has been determined that the related documents would not be included in the Reference Document list, nor shared in the course of this process.

1. At page 13 of the RFP, Section 4.2 Basis of Selection – Highest Combined Rating of Technical Merit and Price

1. **Delete:** Contracts will be awarded to the best responsive bids in the order of the Priority Technologies listed in Part 2, Table 1: *List of Priority Technologies* i.e. the first contract to be awarded will cater to PT1, with the second to PT2 etc.
2. **Insert:** Contracts will be awarded to the best responsive bids. The evaluation process for each Priority Technology (PT) may not be conducted in a sequential order, e.g. PT-4 could be evaluated first. Once the evaluation of all proposals submitted for a given PT is completed, contract award may start for the resulting contract of that specific PT.

2. For Priority Technology 6 (PT-6) - Path to Flight Qualification for Low Noise Flux-gate Magnetometer Cores

2.1. Trade-off analysis (RFP p. 98 – Scope of Work – first bullet – first sentence)

1. **Delete:** Perform a trade-off analysis of the different parameters which impacts the low noise performance of a crystalline permalloy ring-core for a flux-gate sensor.
2. **Insert:** Document justification for the parameters to be explored in the work and how the chosen parameter space is expected to produce cores which satisfy the requirements of the RFP.

2.2 Trade-off analysis (RFP p. 98 – Scope of Work – first bullet – third sentence)

1. **Delete:** Simulation and or experiment must support this analysis.
2. **Insert:** Simulation, experiment and/or prior results documented in literature must support this analysis.

2.3. MANDATORY-01 (RFP p. 99)

1. **Delete in its entirety.**
2. **Insert:** The core design and manufacturing process shall produce cores such that the mean of the distribution of noise levels is below 10 pT / Hz^{1/2} at 1 Hz.

2.4. MANDATORY -03 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert:** The BH curve of the cores shall be measured over the frequency range of 1-100kHz.

2.5. MANDATORY -04 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert :** N/A

2.6. MANDATORY -05 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert:** The frequency response of a prototype sensor based on a new core meeting MANDATORY-01, shall be characterized over a frequency range of at least 0.01Hz to 100Hz.

2.7. MANDATORY -06 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert:** The Amplitude response to an applied calibrated test signal with an amplitude of 1 pT to 70 iT RMS, sampling each power of 10 increment, and over the range of frequency defined in MANDATORY-05, shall be measured.

2.8. MANDATORY -09 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert:** N/A

2.9. MANDATORY -10 (RFP p. 100)

1. **Delete in its entirety.**
2. **Insert:** The noise spectrum of 2 cores shall be tested for temperature dependence over a range from -60°C to +75°C, with measurements at least every 5°C, over the range of frequency defined in MANDATORY-05. If the results vary by more than 10% RMS over the temperature range, 5 cores shall be tested. All 10 cores shall be tested if the results of the 5 cores still vary by more than 10% RMS.

2.10. SPECIFIC DELIVERABLES (RFP p. 101 – Specific Deliverables – 10th bullet)

1. **Delete:** All core samples produced during the contract.
2. **Insert:** All core samples produced for this contract.

2.11. SCHEDULE & MILESTONES ((RFP p. 101)

1. **Delete:** This technology development is up to 12 months duration.
2. **Insert:** This technology development is up to 15 months duration.

ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED