



Request for Proposals No. W6369-200196 – AMDT 005
DG Space Engineering concept studies

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

MAT.DESProc2-DOSE2@forces.gc.ca

**SOLICITATION AMENDMENT
MODIFICATION DE
L'INVITATION**

The referenced document is hereby revised;
unless otherwise indicated, all 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
Department of National Defence
DES Proc 2-5-3
Woodline Building
2 Constellation Drive
Ottawa ON



Title - Sujet Space System Engineering and Cost Analysis	
Solicitation No. - N° de l'invitation W6369-200196	Amendment No – No modif. 005
Client Reference No. - N° de référence du client W6369-200196	Date 2019-12-02
GETS Reference No. - N° de référence de SEAG	
File No. - N° de dossier W6369-200196	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin January 13, 2020	Time Zone Fuseau horaire 2pm Eastern Standard Time EST
F.O.B. - F.A.B.	
Plant-Usine: Destination: <input checked="" type="checkbox"/> Other-Autre:	
Address Enquiries to: - Adresser toutes questions à: Cherie Murray	Buyer Id - Id de l'acheteur DES Proc 2-5-3
Telephone No. - N° de téléphone 613-901-8477	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: To be inserted upon award	

Delivery Required - Livraison exigée See Herein	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



This Amendment no. 005 has been raised to:

1- Answer the following questions:

	Questions	Answers
10	In case the bidder is an industrial team (partnership) with a prime and subcontractors, can subcontractor's projects be included in the bidder's experience? In other words can PWGSC consider "the entire industrial team" as "the bidder"?	The term "bidder" is defined in the Standard Instructions – Goods and Services – Complete Requirements as the person or entity (or, in the case of a joint venture, the persons or entities) submitting a bid to perform a contract for goods, services or both. It does not include the parent, subsidiaries or other affiliates of the Bidder, or its subcontractors. Therefore only the bidder's experience will be evaluated.
11	Does the 20 years of experience in SAR apply to every person in the team including the project manager?	The 20 years of experience is the combined total of all proposed team members.
12	I am writing to request that a conversation be opened regarding the use of epost Connect to submit our proposal for this procurement.	This solicitation is being issued directly by DND. As per the instructions of the RFP, all proposals are to be submitted to the following email address: MAT.DESProc2-DOSE2@forces.gc.ca
13	In Annex A-3 for Stream 3, under 3.0 Tasks, it is stated that the proposed design concepts must address all of the priority 1 and 2 requirements. However, many of those requirements are purely SAR-related. Is the intent for Stream 3 to only address non-SAR related requirements?	Yes the intent for stream 3 is to address only the non-SAR related requirements.
14	When addressing ELINT requirements, are those better addressed in Stream 1 or Stream 3, or both?	This is a non-SAR system that would be best addressed under Stream 3.
15	In Attachment 4.5, the evaluation criteria for Stream 3, under M1, there is mention of	Yes. Attachment 4.5 has been amended accordingly.



	Noise Equivalent Sigma Zero and ambiguities. These are SAR-related concepts. Should those be deleted from M1?	
16	In Attachment 4.5, it is stated that “The Bidder must have demonstrated experience performing an electro-optical (EO) or infrared (IR) (which <u>much</u> include hyper and multispectral) design concept study within the last five (5) years, from date of RFP closing. The concept study must have assessed all of the following areas:” Is this a typo that should be corrected to “ <u>must</u> include hyper and multispectral”?	Attachment 4.5 is being amended to correct the typo.
17	In Attachments 4.2, 4.4 and 4.6, it is stated that “Bidders are to provide an all-inclusive Firm per diem price for the total of resources that will perform the work under Section 3.1 of that Statement of Work”. In addition, it is stated in Annex B that “Payment will be made for days actually worked.” Please clarify whether a day worked refers to person day rather than team day, and how the daily rate will be calculated.	A day of work is the total number of hours worked by the team, up to a maximum of 7.5 hours a day. To calculate the hours worked by the team, the total number of hours worked by all members in one day will be added then divided by the number of team members to get the total of hours worked by the team. For example, a team is comprised of 3 people where team member A worked 2.5 hours, team member B worked for 5 hours and team member C worked for 7.5 hours. The total of 15 hours is then divided 3 for a total team day of 5 hours. Annex B Basis of Payment has been amended to clarify.
18	If we provide the information requested in Attachment 4.1, is that sufficient to satisfy Section 1, Technical Bid, pg. 8? Or is a separate description of the project execution required to demonstrate our “understanding of the requirements contained in the bid solicitation and explain how they meet these requirements”?	Bidders are requested to provide the information in Attachment 4.1 as well as any other information they deem sufficient to demonstrate their experience.



19	The SRCL provided in Amendment 4 is very difficult to read. Can a more legible SRCL be provided?	The SRCL does not include any security provisions. For those wishing to receive a more legible copy, it will be emailed upon request.
20	DND will award “up to 3 contracts for each of the 3 Streams, for a maximum total of 9 contracts”. “The period of the Contract is from date of Contract to March 31, 2020 inclusive” <ul style="list-style-type: none"> • What is the total budget this part of the budget? What is the expected date for awarding the contracts?	DND is not at liberty to disclose the budget for this requirement. The expected contract award date is mid to end of January 2020.
21	The RFP states: “The presentation will take place at National Defence Headquarters, located at 101 Colonel By Drive, Ottawa, ON, or at 3500 Carling Avenue, Ottawa, ON. The time and place will be specified by the Technical Authority. “ Given that travel is not reimbursable will it be possible to use a video conference link for the presentation?	DND will accept a video conference link for the final presentation if in-person attendance is not feasible
22	At Page 32, ANNEX “A-2” 3.1.i Engineering & costing analysis of a data exploitation design concept, the RFP states: “The cost estimates of the proposed design concepts must contain a detailed description of the assumptions made in establishing the Work Breakdown Structure level 2 cost estimates.” Can DND provide a definition of a WBS “level 2 cost estimate” or provide a on line resource that defines or describes what is required? What level of detail is needed?	WBS level 2 is defined as major elements, parts, phases or deliverables of a system.

2- and make the following changes:

- i. Delete **Attachment 4.5 Mandatory and Point-Rated Technical Evaluation Criteria for Stream 3 – Alternate Mission Concept – AMDT 001** and replace with the attached document entitled **Attachment 4.5 Mandatory and Point-Rated Technical Evaluation Criteria for Stream 3 – Alternate Mission Concept – AMDT 002**;



- ii. Delete **Annex B Basis of Payment** and replace with the following document entitled **Annex B Basis of Payment AMDT 001** ; and
- iii. Delete **Appendix B to Annex A Certification at the TA Stage** in its entirety.



Attachment 4.5: Mandatory and Point-Rated Technical Evaluation Criteria
for **Stream 3– Alternate Mission Concept – AMDT 002**

Criteria	Mandatory Criteria	Statement of Compliance and Cross Reference to Proposal	MET	NOT MET
M1	<p>The Bidder must have demonstrated experience performing an electro-optical (EO) or infrared (IR) (which must include hyper and multi-spectral) design concept study within the last five (5) years from date of RFP closing. The concept study must have assessed all of the following areas:</p> <ul style="list-style-type: none"> 1- Tasking, Telemetry, and Communications requirements; 2- Communications links (frequency, bandwidth); 3- Constellation composition, size and orbit(s); 4- Recommended sensors/sensor types, secondary payload, duty cycle, bus, frequency bands(s); 5- Detailed analysis of the sensor parameters (swath, resolution, bandwidth, scene size); and 6- Detailed cost estimates. <p>To demonstrate compliance, the Bidder must provide details of the concept study using the Project Reference Response Template provided in Attachment 4.7.</p>			
M2	<p>The Bidder must demonstrate that the proposed resource(s) has/have a minimum of fifteen (15) years' experience from date of RFP closing working with EO or IR spacecraft payloads.</p>			



Criteria	Mandatory Criteria	Statement of Compliance and Cross Reference to Proposal	MET	NOT MET
	To demonstrate compliance, the Bidder must provide a resume of each team member and provide details of the project(s), their role(s), dates and duration(s).			



Technical Point Rated Requirements – Stream 3 – Alternate Mission Concept

Criteria	Point-Rated Criteria	Evaluation Factors	Bidder Self-Score	Justification (Cross-reference to resource resume as applicable)
R1	<p>The Bidder should demonstrate that the proposed resource(s) in M2 has/have experience within the last ten (10) years from date of RFP closing designing EO or IR payloads.</p> <p>The Bidder should provide a detailed description of the project(s) and the resource(s)' role in the design of the EO or IR payload(s).</p>	<p>15 points = Demonstrated experience designing 3 or more EO or IR payloads</p> <p>10 points = Demonstrated experience designing 2 EO or IR payloads</p> <p>5 points = Demonstrated experience designing 1 EO or IR payload.</p> <p>0 points = No experience</p> <p>MAX Points = 15</p>		
R2	<p>The Bidder should demonstrate that the proposed resource(s) in M2 has/have experience within the last ten (10) years from date of RFP closing designing satellite systems (including both payload and space vehicle) which included EO or IR as the main payload.</p> <p>The Bidder should provide a detailed description of the project(s) and the team member's role in the</p>	<p>15 points = Demonstrated experience designing 3 or more satellite systems which included EO or IR as the main payloads.</p> <p>10 points = Demonstrated experience designing 2 satellite systems which included EO or IR as the main payloads.</p> <p>5 points = Demonstrated experience designing 1 satellite system which included EO or IR as the main payload.</p> <p>0 points = No experience</p> <p>MAX Points = 15</p>		



Criteria	Point-Rated Criteria	Evaluation Factors	Bidder Self-Score	Justification (Cross-reference to resource resume as applicable)
	design of the satellite system(s) which included EO or IR as the main payload(s).			
R3	<p>The Bidder should demonstrate its experience within the last ten (10) years from date of RFP closing in the completing the following stages for satellite systems which included EO or IR payloads:</p> <ul style="list-style-type: none"> 1- Design 2- Manufacture 3- Commission 4- Operation <p>The Bidder should provide details of its experience by using the Project Reference Response Template provided in Attachment 4.7.</p>	<p>8 points = Demonstrated experience in all 4 stages 6 points = Demonstrated experience in 3 stages 4 points = Demonstrated experience in 2 stages 2 points = Demonstrated experience in 1 stage 0 points = no experience</p> <p>MAX Points = 8</p>		
		Total score (out of 38 points)		



ANNEX “B”

BASIS OF PAYMENT – AMDT 001

For optional professional services work under section 3.2 of the Statement of Work, the Contractor shall be paid per the following basis of payment:

Item number	Description	Firm all-inclusive Per diem (GST/HST Excluded)
1	All-inclusive Firm per diem price for the total of resources performing the work under Section 3.1 of the Statement of Work Option Period 1 (1 April to 30 September 2020)	\$ (price to be inserted at contract award)
2	All-inclusive Firm per diem price for the total of resources performing the work under Section 3.1 of the Statement of Work Option Period 2 (1 October 2020 to 31 March 2021)	\$ (price to be inserted at contract award)

A day of work is the total number of hours worked by the team, up to a maximum of 7.5 hours a day of work, exclusive of meal breaks. Payment will be made for days actually worked, with no provision for annual leave, statutory holidays and sick leave a day.

To calculate the hours worked by the team, the total number of hours worked by all members in one day will be added then divided by the number of team members to get the total of hours worked by the team.

For example, a team is comprised of 3 people where team member A worked 2.5 hours, team member B worked for 5 hours and team member C worked for 7.5 hours, the total of 15 hours is then divided 3 for a total team day of 5 hours.

If time worked is more or less than a day, the following formula will be used:

$$(\text{Hours worked} \times \text{applicable firm all-inclusive per diem rate}) \div 7.5 \text{ hours}$$

No overtime charges will be authorized under the Contract. All time worked will be compensated according to paragraph above.



Department of National Defence
Ministère de la défense nationale

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ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME AND IN FULL EFFECT.