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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

Special Projects/Projets Spéciaux

Terrasses de la Chaudière 4th Floor

10 Wellington Street

Gatineau

Québec

K1A 0S5

Title - Sujet aerial surveillance services	
Solicitation No. - N° de l'invitation FP859-160059/C	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client FP859-160059	Date 2018-04-20
GETS Reference No. - N° de référence de SEAG PW-\$\$ZL-107-33454	
File No. - N° de dossier 107zl.FP859-160059	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-05-31	
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: Campbell, Jeff	Buyer Id - Id de l'acheteur 107zl
Telephone No. - N° de téléphone (613) 858-8846 ()	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

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The purpose of this amendment is to make changes to Attachment 1 to Part 4, Technical Criteria.

In PART 4 – EVALUATION PROCEDURES AND BASIS OF SELECTION:

Delete: Attachment 1 to Part 4, Technical Criteria.in its entirety.

Insert:

ATTACHMENT 1 TO PART 4, TECHNICAL CRITERIA

Mandatory Technical Criteria – MTC

Number	Requirement	Bid Instructions	Scale Description	Bidder Response
MTC1.1	The Contractor must possess a valid Air Operator Certificate.	The Bidder must possess and submit a copy of a valid Transport Canada Air Operator's Certificate.	If the Bidder provides the certification that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC1.2	The Bidder's proposed Pilot/Captain and Co-pilot resources must have the required licenses and endorsements.	The Bidder must provide a copy of the pilot license and complete the Contractors' Personnel templates annexed endorsing each Pilot/Captain and Co-pilot resource.	If the Bidder provides the documentation that demonstrates compliance with the minimum requirements as detailed in the Contractor's personnel template, then assign "Meets", if not, then assign, "Does Not Meet".	

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Number	Requirement	Bid Instructions	Scale Description	Bidder Response
MTC1.3	The Bidder's proposed Aircraft Maintenance Engineers resource must have the required licenses and endorsements.	The Bidder must provide a copy of the license confirming that each proposed AME has the appropriate license endorsed for the designated aircraft and must complete the Contractors' Personnel templates annexed endorsing each proposed AME.	If the Bidder provides the documentation that demonstrates compliance with the minimum requirements as detailed in the Contractor's personnel template, then assign "Meets", if not, then assign, "Does Not Meet".	
In order to demonstrate the Bidder's proposed equipment meets the minimum specifications in Annex A, the Bidder's technical bid should include documentation to indicate proven capability of existing systems or where new systems are to be purchased or developed, provide documentation to verify that the new systems will fully meet the requirements.				
MTC 2.0 Airborne Long Range 360° Search Radar System				
MTC 2.1		The Bidder must demonstrate the proposed radar system is a long range 360 degree free of obstruction multi-mode search radar system as identified in SOW Article 12.1	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 2.2		The Bidder must demonstrate the radar system must detect, classify and simultaneously track a minimum of 200 contacts as identified in the SOW Article 12.1.5.1.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	

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Number	Requirement	Bid Instructions	Scale Description	Bidder Response
MTC 2.3		The Bidder must demonstrate the system operates in the multi-modes as identified in the SOW, Article 12.1.4.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 2.4		The Bidder must demonstrate the proposed system's functionality builds a contact library as identified in the SOW Article 12.1.8.3.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 2.5		The Bidder must demonstrate the proposed radar system accepts coordinates from the aircraft's navigation system, as identified in the SOW Article 12.1.9.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 2.6		The Bidder must demonstrate the proposed radar system integrates with the EO/IR system, as identified in the SOW Article 12.1.1	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC3.0 Navigation System				
MTC 3.1		The Bidder must demonstrate the proposed navigational system meets the following requirements as identified in the SOW Article 12.3.	If the Bidder provides the substantiation that demonstrates compliance with (a) though (d), then assign "Meets", if not, then assign, "Does Not Meet".	

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Number	Requirement	Bid Instructions	Scale Description	Bidder Response
		<p>a) integrate with sensor suite to accept and store way points.</p> <p>b) modify the way points in flight (either through manual updates or automatic data feed in the onboard data management system) is required;</p> <p>c) plot fishery management boundaries in rhumb line and geodesic formats as published, and</p> <p>d) Operate on GPS default in the World Geodesic System 1984 (WGS84).</p>		
MTC 4.0 Electro Optic/Infrared System				
MTC 4.1		<p>The Bidder must demonstrate for each aircraft, the electro-optic/infrared system proposed, including hardware and software specifications and functionality to include as a minimum: a colour high definition electro-optic camera, spotter scope and thermal imager as identified in the SOW Article 12.2.</p> <p>Minimum resolution: EO Camera: 1920 x 1080 Thermal Imager: 1280 x 720</p>	<p>If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".</p>	

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Number	Requirement	Bid Instructions	Scale Description	Bidder Response
MTC 4.2		The Bidder must demonstrate for each aircraft, the EO/IR system meets the ranges for the performance scenarios identified in the SOW Article 12.2.2.6.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 4.3		The Bidder must substantiate the proposed the EO/IR system interfaces with the aircraft's radar and navigation systems as identified in the SOW Article 12.2.2.15.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 4.4		The Bidder must substantiate the proposed the EO/IR system includes a laser illuminator (LI) for low light conditions as identified in the SOW Article 12.2.2.4.	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	
MTC 4.5		The Bidder must demonstrate for each aircraft, the handheld or mounted camera operates with the following features operates as per the requirement in the SOW in Article 12.4.1.1. Requirements include the following:	If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".	

Number	Requirement	Bid Instructions	Scale Description	Bidder Response
		<ul style="list-style-type: none"> a) Minimum 20 megapixels; b) Multiple shooting modes with continuous shooting; c) Shutter speed of 1/8,000 second and flash sync speeds up to 1/250 second; d) Liquid Crystal Display monitor interface; e) Auto focus; f) All photos will be annotated with GPS location information along with shooting data (date/time); and g) Compatible with onboard systems i.e., Radar/electro-optics/infrared. 		
MTC 4.6		<p>The Bidder must demonstrate the proposed night illumination system meets the requirement to capture a high-resolution digital colour image at a minimum of 500 feet during varying degrees of darkness and I-ADMS must visually display contacts with night imagery in real time for onboard analysis, as identified in the SOW Article 11.8.12.</p>	<p>If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".</p>	
MTC5.0 Integrated Aircraft Data Management Support Requirements (I-ADMS)				
MTC5.1		<p>The Bidder must demonstrate the proposed integrated aircraft data management system (I-ADMS), including hardware and software</p>	<p>If the Bidder provides the substantiation that demonstrates compliance, then assign "Meets", if not, then assign, "Does Not Meet".</p>	

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Number	Requirement	Bid Instructions	Scale Description	Bidder Response
		<p>specifications and functionality meets the following requirements.,</p> <p>a) Display on all onboard devices at each workstation,</p> <p>b) compatible with the onboard sensor suite and the data management system (DMS).</p> <p>c) electronic charts and maps,</p> <p>d) Integrate, plot, record and display contact information gathered, automatically and manually,</p> <p>e) Display and record true (at altitude) radar coverage for entire patrols or portions of patrols,</p> <p>f) Automatically calculate time (hours and minutes) patrolled in a given area,</p> <p>g) Generate in real-time an in-flight vessel reports, and</p> <p>h) Have encrypted satellite access for voice and data communication.</p>		

Point Rated Technical Criteria – Scores

Number	Category	Maximum Number of Points	Bidder Response
1	Rated Technical Criteria 1: Aerial Surveillance Experience	28	
2	Rated Technical Criteria 2: Proposed Aircraft	36	
3	Rated Technical Criteria 3: Human Resources	8	
4	Rated Technical Criteria 4: Data Management Systems	8	
5	Rated Technical Criteria 5: Program Management Plan	12	
6	Rated Technical Criteria 6: Quality Program	8	
	Grand Total	100	
	Minimum number of points required - 75%	75	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
Rated Technical Criteria 1: Aerial Surveillance Experience					
RTC1.1	<p>Demonstrate at least 5 years' experience in the aerial surveillance field, at bid closing date, for each of the following requirements:</p> <ul style="list-style-type: none"> a) The use of a maritime search radar system; b) Performing flight patrols conducting surveillance during both daylight and darkness and varying weather conditions; c) Conducting low level (500 feet) flight operations; d) Collecting digital photos and video during daylight and darkness of selected contacts such as: on water vessels; marine life; icebergs; fishing gear; and pollution events; e) Conducting patrols using surveillance sensor equipment to capture detailed positional information on selected contacts such as: on water vessels; marine life; icebergs; fishing gear; and pollution spills; f) Collecting and storing surveillance information data in a land based data 	<p>The Bidder should demonstrate it meets or exceeds the number of years' service in (a) through (g) as indicated in the SOW Article 6.1 in the delivery of aerial surveillance services.</p> <p>The Bidder should provide examples of experience for each of the requirements. The information provided should also include:</p> <ol style="list-style-type: none"> 1. Project Name / Operation / Service (including description and duration of project 2. Contact information. 	28	<p>Each item (a through g) will be evaluated as follows for a total of up to 28 points:</p> <p>4 points for examples substantiating over 5 years' experience in each of the items (a) through (g).</p> <p>3 points for examples substantiating equal to 5 years' experience in each of the items (a) through (g).</p> <p>0 points each for unable to evaluate. Bidder failed to submit a valid response.</p>	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
Rated Technical Criteria 2: Proposed Aircraft					
RTC2.1	<p>management system for access of system end-users; and</p> <p>g) Performing Information Technology (IT) data management system support to end-users.</p>	The Bidder should substantiate for each proposed aircraft, the endurance and range meets or exceeds the minimum requirements identified in the SOW in Article 11.8.13.	12	<p>Up to 12 points allocated as follows:</p> <p><u>Aircraft endurance:</u></p> <p>6 points for substantiating greater than 11 hours endurance.</p> <p>4 points for substantiating between 10 to 11 hours endurance.</p> <p>3 points for substantiating equal to 10 hours endurance.</p> <p>0 points for unable to evaluate. Bidder failed to submit a valid response..</p> <p><u>Aircraft Range:</u></p> <p>6 points for substantiating a range greater than 1,700 NM.</p> <p>4 points for substantiating a range between 1,600 to 1,700 NM.</p>	

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				<p>3 points for substantiating a range equal to 1,600 NM.</p> <p>0 points for unable to evaluate. Bidder failed to submit a valid response.</p>	
RTC2.2	<p>Demonstrate for each medium range fully configured fixed-wing aircraft has the range and endurance as follows:</p> <p>Endurance: conduct a 6 hour patrol</p> <p>Range: minimum patrol range at least 900 NM without refueling.</p>	<p>The Bidder should substantiate for each proposed aircraft, the endurance and range meets or exceeds the requirements identified in the SOW in Article 11.8.14.</p>	12	<p>Up to 12 points allocated as follows:</p> <p><u>Aircraft endurance:</u></p> <p>6 points for substantiating endurance greater than 7 hours.</p> <p>4 points for substantiating endurance between 6 to 7 hours.</p> <p>3 points for substantiating endurance equal to 6 hours.</p> <p>0 points unable to evaluate. Bidder failed to submit a valid response.</p> <p><u>Aircraft Range:</u></p> <p>6 points for substantiating range greater than 1,000 NM.</p> <p>4 points for substantiating range between 900 to 1,000 NM.</p> <p>3 points for substantiating range equal to 900 NM.</p>	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
				0 points for unable to evaluate. Bidder failed to submit a valid response.	
RTC 2.3	Demonstrate the cabin configuration detailing the location of all workstations and equipment for both types of aircraft, medium and longer range.	<p>The Bidder should provide a detailed description of each proposed aircraft (medium and longer range), as identified in the SOW Article 11.8.5., using the following:</p> <ul style="list-style-type: none"> a) coloured diagram of interior layout, b) interior dimensions, c) illustrations of equipment placement, and d) illustrations of workstation placement. 	12	<p>Each item (a through d) will be evaluated as follows for a total of up to 12 points:</p> <p>3 points each for demonstrating the cabin configuration.</p> <p>0 points for unable to evaluate. Bidder failed to submit a valid response</p>	
Rated Technical Criteria 3: Human Resources					
RTC 3.1	Demonstrate at least 5 years' experience in the management of human resources including developing, implementing and managing a human resources plan that includes policies and directives on, as a minimum:	The Bidder should demonstrate it meets or exceeds 5 years' experience in the management of human resources in the delivery of aerial surveillance services including developing, implementing and managing a human resources plan that	4	<p>Each item (a through d) will be evaluated as follows for a total of up to 4 points:</p> <p>1 point each for providing examples that substantiate 5 years' experience</p>	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
	a) recruitment, b) retention, c) development, and d) day-to-day management.	includes policies and directives as identified in the SOW Article 8.1.by providing project examples that include the following information: Project name including description and contact information duration of project		in each of the categories a through d. 0 points unable to evaluate. Bidder failed to submit a valid response	
RTC3.2	Provide a human resources sub-plan for the key personnel in Article 8.1.2 that includes policies and directives on, as a minimum, employee recruitment, retention, development, and day-to-day management to ensure the delivery of aerial surveillance services.	The Bidder should provide a Human Resources Plan for the key personnel in Article 8.1.2. that uses as a minimum the categories listed below and identified in the SOW Article 8.1.1. These categories are: a) recruitment, b) retention, c) development, and d) day-to-day management.	4	Each item (a through d) will be evaluated as follows for a total of up to 4 points: 1 point each for each category.. 0 points unable to evaluate. Bidder failed to submit a valid response	
Rated Technical Criteria 4: Data Management Systems					
RTC 4.1	Demonstrate IT system support for the following: a) daily IT system administration support for regional C&P delegates to update	The Bidder should demonstrate the proposed IT system support for the daily system administration and the daily system user support as	8	Each item (a and b) will be evaluated as follows for a total of up to 8 points 4 points each for substantiating the proposed IT system support.	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
	<p>system users, and user privileges; and</p> <p>b) daily IT system user support or helpdesk services to respond to technical system issues from end-users. See Section 17, paragraph H for Service Standards requirements;</p>	indicated in the SOW Article 14.4.2 and 14.4.3.		0 points unable to evaluate. Bidder failed to submit a valid response.	
Rated Technical Criteria 5: Program Management Plan					
RTC 5.1	Provide a transition plan to ensure the establishment of bases of operations, implementation of fully configured aircraft and implementation of a land-based data management system for start of services of September 1, 2019.	<p>The Bidder should provide a transition plan as indicated in the SOW Article 16.10., using the following elements:</p> <p>a) a preliminary transition plan using the guideline in Attachment 8 of the SOW,</p> <p>b) identified major milestones and objectives with proposed timelines to meet start of services date; and</p> <p>c) an evaluation schedule with identified audit frequency to meet start of services timelines.</p>	6	<p>Up to 6 points allocated as follows:</p> <p>2 points each for providing a transition plan using elements (a) to (c).</p> <p>0 points for unable to evaluate. Bidder failed to submit a valid response.</p>	

Number	Requirement	Bid Instructions	Maximum Points	Point Description	Bidder Response
RTC 5.2	Provide a detailed risk analysis involving establishing facilities at the proposed locations that includes the identification of risk, evaluation of impact and subsequent risk mitigation action plan to meet the start of services timeline.	<p>The Bidder should provide a detailed risk analysis establishing facilities at the proposed locations as indicated in the SOW Article 16.11., using the following elements:</p> <ul style="list-style-type: none"> a) identifying risk(s), b) evaluating impact(s), and c) developing a risk mitigation action plan for each identified risk. <p>Bidders should use the risk-ranking matrix in Attachment 9, in the SOW, to complete this section.</p>	6	<p>Up to 6 points allocated as follows:</p> <p>2 points each for providing a detailed risk analysis to establish facilities using elements (a) to (c).</p> <p>0 points unable to evaluate. Bidder failed to submit a valid response.</p>	
RTC5.3	Provide a detailed risk analysis involving implementing a fully configured fixed-wing aerial surveillance aircraft at the proposed locations that includes the identification of risk, evaluation of impact and risk mitigation action plan to meet the start of services timeline.	<p>The Bidder should provide a detailed risk analysis to implement a fully configured fixed-wing aircraft as indicated in the SOW Article 16.11 using the following elements:</p> <ul style="list-style-type: none"> a) identifying risk(s), b) evaluating impact(s), and c) developing a risk mitigation action plan for each identified risk. <p>Bidders should use the risk-ranking matrix in Attachment 9, in the SOW, to complete this section.</p>	6	<p>Up to 6 points allocated as follows:</p> <p>2 points each for providing a detailed risk analysis to implement fully configured fixed-wing aerial surveillance aircraft using elements (a) to (c).</p> <p>0 points unable to evaluate. Bidder failed to submit a valid response.</p>	

Rated Technical Criteria 6: Quality Program				
RTC 6.1	Demonstrate a Quality Assurance System to produce consistent results, prevent non-conformance and/or downtime, ensure processes are defined and controlled to meet the Service Performance Standards, as described in Section 17.	<p>The Bidder should substantiate the Quality Assurance System as indicated in the SOW Article 15 using the following elements:</p> <p>a) Identify the Quality System and why that Quality System was chosen;</p> <p>b) Describe the purpose and scope of the Quality System; and</p> <p>c) Provide the Quality System implementation date and the frequency of quality audits;</p> <p>d) Supply a copy of the Quality System Certificate.</p>	8	<p>Up to 8 points allocated as follows:</p> <p>2 points each for substantiating a Quality Assurance System using elements (a) through (d).</p> <p>0 points unable to evaluate. Bidder failed to submit a valid response.</p>

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.