



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

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**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
Security and Information Operations Division/Division
de la sécurité et des opérations d'information
11 Laurier St. / 11, rue Laurier
8C2, Place du Portage
Gatineau
Québec
K1A 0S5

Title - Sujet CFLEWM project	
Solicitation No. - N° de l'invitation W8476-196070/B	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8476-196070	Date 2020-06-16
GETS Reference No. - N° de référence de SEAG PW-\$\$QE-015-27791	
File No. - N° de dossier 015qe.W8476-196070	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-08-20	
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: Picknell, Christine	Buyer Id - Id de l'acheteur 015qe
Telephone No. - N° de téléphone () - ()	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

This amendment is raised to:

- A. Provide additional details regarding the one on ones, and;
- B. Provide a change to Annex D, Costing requirements/questions, to the RFI.

A. ONE-ON-ONE MEETING DETAILS AND REGISTRATION

1. INTRODUCTION

The intention of the one-on-one meetings is to allow suppliers to ask more in-depth questions, discuss the CFLEWM project, provide their input on some or all aspects of the project, and possibly present potential solutions and ideas.

Suppliers are advised that although discussions at the one-on-one meetings will provide more granularity of DND requirements, they are not required to provide a fulsome response to the RFI. Suppliers are not required to attend a one-on-one meeting. Suppliers who do not attend are still encouraged to submit a response to this RFI.

One-on-one virtual meeting details:

Format: 60 minutes time slots allocated per supplier

Date: Monday 22nd of June – Friday 17th of July 2020

Time: 0900-1600 hrs

Registration Deadline: June 26th 2020

2. REGISTRATION PROCESS

Interested suppliers must register for the one-on-one meetings no later than the registration deadline. Registration for one-on-one meetings will be conducted on a first come first serve basis.

To register, suppliers **must submit** to the PSPC Contracting Authority identified below the following:

- Number of people to attend the meeting
- Name and, corporate title
- Point of contact email and phone number
- Language of preference for one-on-one meetings (French or English)

Contracting Authority for the One-on-One Meetings (Registration):

Public Services and Procurement Canada

TPSGC.PADivisionQE-APQEDivision.PWGSC@tpsgc-pwgsc.gc.ca

Please ensure the subject line states: **CFLEWM ONE on ONE**

3. COMMUNICATION WITH INDUSTRY

Canada will document all one-on-one meeting concerns/issues, questions, and suggestions, and responses. During the engagement process, the PSPC Contracting Authority may choose to communicate with registered suppliers through direct email rather than posting additional notices on Government Electronic Tendering Service. To ensure the fairness, transparency and integrity of the process, PSPC will share information resulting from the process (excluding proprietary and/or confidential information) with Industry.

Responses to questions raised during the one-on-one meetings will be published on the Government Electronic Tendering Service.

4. LANGUAGE

Documents will be available in both official languages.

B. Annex D, Costing Requirements/Questions, is deleted in its entirety and replaced as per below.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

ANNEX D

COSTING REQUIREMENTS/QUESTIONS

Initial Acquisition

1. The purpose of the Canadian Forces Land Electronic Warfare Modernization (CFLEWM) costing annex is to request Rough Order of Magnitude (ROM) costing information from suppliers in order to allow Canada to prepare its documents for the Project Approval. Respondents are asked to provide ROM pricing for as many questions and activities as possible in this annex. The list of deliverables is as complete as possible at this time; however, if a specific cost element is not provided for any reason (e.g. it is included in the price for another item), please provide an explanation in your response.
2. Please provide a breakdown, to the lowest level possible, of the cost of the CFLEWM solution your firm suggests that would enable Canada to meet all of the requirements laid out in Annexes A and B. Please note, any and all information you can provide, even if incomplete, will significantly enhance the project.
3. The suppliers can provide alternative costing models then the one provided.

Table 1 - Acquisition Costs

Description	Proposed Solution	Margin of Accuracy (ADD : plus X, minus Y percent for each Price)	Quantities	Estimated unit price 0 = No Cost
C2 and Analysis Software - The CFLEWM project requires software that will enhance the Command and Control of EW assets in near real time, and quickly influence the commander's decision-making cycle. Specifically, C2 Level software must allow command staff and operators to Plan, Manage, and Analyze the EMS, in order to generate an EOB, which is further graphically illustrated with a SCOP. All EW assets falling under the five operational functions of COMMAND, SENSE, ACT SHIELD and SUSTAIN are controlled and synchronized through the intuitive and interactive C2 GUI. Further, the GUI provides a "see through" capability which allows operators to plan operations without causing or experiencing unacceptable interference to Friendly Forces. C2 Level software would be utilized in EWCC and EWOC vehicles and shelters. The project also requires Operator Level software designed to enhance the ability of EW operators to monitor the EMS, contribute to the EOB and SCOP, while maintaining a limited ability to control assets, and conduct rudimentary analysis. The software will allow operators to detect, classify, identify, geolocate, and possibly exploit Signals of Interest (Sol). Operator Level software would be found in EWCC, EWOC, MEWT, and LEWT vehicles and shelters. EW Analysis software will allow EW operators and intelligence personnel to further refine the classification, identification, and exploitation of Sol in the pursuit of actionable intelligence. EW Analysis software would be utilized by those personnel working in EWAS shelters. Additionally, software will also facilitate an operator's ability to execute EA against specific targets / target areas as opposed to "brute force" attacks. This software would be found in vehicles specifically tasked with carrying out EA. Ultimately, resultant software must be able to facilitate the above tasks while easing operator workload through the use of AI/ML, in addition to importing and exporting data to and from the Enterprise, RCAF, RCN, and FVEY partners. Quantities must provide for the fielding of a Canadian Mechanized Brigade Group HQ, 1 x Battle Group, and op stock. (Reference Annex A)				
a) C2 and Analysis Software		plus ____ % minus ____ %		\$ ____.
		plus ____ % minus ____ %		\$ ____.
		plus ____ % minus ____ %		\$ ____.
		plus ____ % minus ____ %		\$ ____.
		plus ____ %		\$ ____.

*If possible, please include average operating costs - Hourly, Annually...etc. Please provide a detailed response.

b) Tactical Hardware and Equipment Procurement and Installation/Integration

[illegible]

*If possible, please include average operating costs - Hourly, Annually...etc. Please provide a detailed response.

Training Systems – The CFLEWM project must result in a training system that greatly enhance the ability of Canadian Army EW personnel to plan operations, manage EW assets, and exploit the EMS. This training system will be scalable and incorporate a simulated environment that will reduce the time and costs involved in training EW operators. The training and simulation solution will allow for individual and collective training that is realistic and immersive, while integrating in-service equipment and systems, or similes, within customizable mission scenarios. Training system deliverables will include, as a minimum, Instructor Lesson Plans, Training Plans, Presentations, Reference Materials, Handouts and Study Materials, Scenario and Mission Plans, Training Aids, and Simulators and Equipment required to assess student progress. The system must provide for the training of both operators and maintainers. (Reference Annex A)

c) Training Systems		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____
		plus ____ % minus ____ %		\$ _____. ____

*If possible, please include average operating costs - Hourly, Annually...etc. Please provide a detailed response.

Sustainment

1. Project cost for activities related to sustainment of CFLEWM equipment.

2. **Notes:**

- a. Please indicate each deliverable and associated costs if applicable in reference to section 1.
- b. For each proposed Solution, include percent accuracy, cost per year to sustain, and anticipated life cycle duration.

Table 2 – Sustainment Costs

Description		Estimated unit price 0 = No Cost
<p>Ongoing Annual Program Management Cost that captures the costs for the following activities, including those listed below.</p> <p>Identify any that do not apply to your Solution:</p>	Margin of Accuracy (Percent Plus & Minus) for A. plus _____%, minus _____% B. plus _____%, minus _____% C. Plus _____%, minus _____% D. Plus _____%, minus _____%	<p>SOLUTION A \$ _____/yr (Integrated, existing GFE) over _____ years life cycle</p> <p>SOLUTION B \$ _____/yr (Integrated, new Suite of Sensors) over _____ years life cycle</p> <p>SOLUTION C \$ _____/yr (Individual Sensor(s) only) over _____ years life cycle</p> <p>SOLUTION D \$ _____/yr (Digital Land ISR Network Only) over _____ years life cycle</p>
	2.1 Sustainment Requirements – ILS Services	
	2.1.1	Integrated Logistic Support (ILS) Plan
	2.1.2	Logistic Support Analysis (LSA)
	2.2 Configuration Management (CM)	
	2.2.1	Conduct Configuration Management
	2.2.2	Conduct First Article Inspection
	2.2.3	Conduct Pre-Delivery Inspection
	2.2.4	Conduct Functional Configuration Audit
	2.2.5	Conduct Physical Configuration Audit
	2.2.6	Provide updates to technical publications over the 15-20 year life cycle of the CFLEWM System.
	2.3 Obsolescence Management (OM)	
	2.3.1	High Risk Components / Sub-systems list
	2.3.2	Obsolescence Management Issues Report (as required)
	2.3.3	Cost of proposed solution to track KPI performance metrics
	2.4 Initial Provisioning and Supply Services	
2.4.1	Initial spare parts and two (2) years of annual replenishment spares	plus _____% minus _____% \$ _____

2.4.2	Spare parts management at commercial facilities and delivery both to Canadian facilities and internationally	plus ____ % minus ____ %	\$ ____.
2.4.3	Warehousing of spare parts at contractor facilities.	plus ____ % minus ____ %	\$ ____.
2.5 Special Tools and Test Equipment (STTE) for the preventive and corrective maintenance the CFLEWM System			
2.5.1	STTE requirements / STTE Package	plus ____ % minus ____ %	\$ ____.
2.6 Contracted Maintenance and Training Services			
2.6.1	Initial Cadre Training (ICT) – Operator Training (English and French)	plus ____ % minus ____ %	\$ ____.
2.6.2	Initial Cadre Training (ICT) – Technician Training (English and French)	plus ____ % minus ____ %	\$ ____.
2.6.3	ICT Courseware (Operator and Technician). (English and French)	plus ____ % minus ____ %	\$ ____.
2.6.4	Training Aids for Maintenance Training.	plus ____ % minus ____ %	\$ ____.
2.7 Service Facilities			
2.7.1	Cost associated with 1 st , 2 nd , 3 rd , and 4 th line repairs in commercial service facilities both within Canada and internationally	plus ____ % minus ____ %	\$ ____.
2.7.2	Cost associated with repair and overhaul at contractor facilities.	plus ____ % minus ____ %	\$ ____.

2.8 Engineering Services				
2.8.1	Technical Investigation and Engineering Services (TIES)			
2.8.2	Technician	plus ____ % minus ____ %	HOURLY RATE	\$ ____.
2.8.3	Engineer	plus ____ % minus ____ %	HOURLY RATE	\$ ____.
Provide any other related labor categories along with the costing information				
		plus ____ % minus ____ %	HOURLY RATE	\$ ____.
		plus ____ % minus ____ %	HOURLY RATE	\$ ____.
		plus ____ % minus ____ %	HOURLY RATE	\$ ____.
2.9 Fielding and Maintenance support				
2.9.1	FSR - Maintain	plus ____ % minus ____ %	HOURLY RATE	\$ ____.
2.9.2	FSR - Train	plus ____ % minus ____ %	HOURLY RATE	\$ ____.
2.9.3	FSR - Repair and Overhaul	plus ____ % minus ____ %	HOURLY RATE	\$ ____.
2.10 Technical Data Package				
2.10.1	Operator Manual (English and French)	plus ____ % minus ____ %		\$ ____.

[illegible]