

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Bid Fax: (902) 496-5016

## 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**  
THIS DOCUMENT CONTAINS A SECURITY  
REQUIREMENT.

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

**Issuing Office - Bureau de distribution**  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9

<b>Title - Sujet</b> NORTHERN WATCH	
<b>Solicitation No. - N° de l'invitation</b> W7707-125560/A	<b>Amendment No. - N° modif.</b> 006
<b>Client Reference No. - N° de référence du client</b> W7707-12-5560	<b>Date</b> 2013-01-31
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-211-8863	
<b>File No. - N° de dossier</b> HAL-2-69094 (211)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> at - à 02:00 PM on - le 2013-02-28	<b>Time Zone</b> Fuseau horaire Atlantic Daylight Saving Time ADT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Allen, Tanya	<b>Buyer Id - Id de l'acheteur</b> hal211
<b>Telephone No. - N° de téléphone</b> (902) 496-5142 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

Solicitation No. - N° de l'invitation

W7707-125560/A

Client Ref. No. - N° de réf. du client

W7707-12-5560

Amd. No. - N° de la modif.

006

File No. - N° du dossier

HAL-2-69094

Buyer ID - Id de l'acheteur

hal211

CCC No./N° CCC - FMS No/ N° VME

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## **1.0 At Part 4, Evaluation Procedures and Basis of Selection, 1.1 Technical Evaluation**

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**Delete:** In its entirety.

## **2.0 At Attachment 3, Mandatory and Point Rated Technical Criteria**

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**Delete:** In its entirety.

**Insert:** Revised Attachment 3a, Mandatory and Point Rated Technical Criteria

## **3.0 Attachment 4, Sample Team Identification**

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**Insert:**

Attachment 4, Sample Team Identification

All other terms and conditions remain the same.

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**ATTACHMENT 3a****MANDATORY AND POINT RATED TECHNICAL CRITERIA****1. Mandatory Technical Criteria**

At bid closing time, the Bidder must comply with the following mandatory technical criteria and provide the necessary documentation to support compliance. Any bid which fails to meet the following mandatory technical criteria will be declared non-responsive. Each criterion should be addressed separately.

Bidders shall:

(a) hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;

(b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses;

(c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites. This information must be submitted with the bid .

(d) the bidder must identify members of their team, including all subcontractors and specialists. Please refer to Attachment 4 Sample Team Identification for an example.

**2. Point Rated Technical Criteria (Maximum 2500 Points)**

The maximum point rating for each criterion is listed below. At a minimum a bid proposal must receive 70% of the maximum point rating in each category to be considered further. Bids not meeting the minimum point rating will be considered non-responsive and receive no further evaluation.

	Criteria	Point Rating Maximum 300 Minimum 210
<b>1.</b>	<b>Company Experience</b>	
1.1	<p>Experience in system integration</p> <p>The bidder and/or proposed team member will describe two projects that are ongoing or completed within the past five years that the company undertook involving system integration. References must be provided.</p> <p>Points will be awarded based on:</p> <ul style="list-style-type: none"><li>1.1.1 the relevance of the projects to this request for proposal;</li><li>1.1.2 the complexity and scale of the projects;</li><li>1.1.3 the role of the bidder and/or proposed team member in the projects; and</li><li>1.1.4 the input provided by the references (note: only one reference per project, for a maximum of two references, will be contacted).</li></ul> <p>The project(s) described for this evaluation criteria may overlap with project(s) described for other evaluation criteria in this category.</p>	100
1.2	<p>Experience with remotely operated security, control and data acquisition systems</p> <p>The bidder and/or proposed team member will describe one project that is ongoing or completed within the past five years that the company undertook involving remotely operated systems.</p> <p>Points will be awarded based on:</p> <ul style="list-style-type: none"><li>1.2.1 the relevance of the project to this request for proposal;</li><li>1.2.2 the complexity and scale of the project; and</li><li>1.2.3 the role of the bidder and/or proposed team member in the project.</li></ul>	50

Solicitation No. - N° de l'invitation W7707-125560/A	Amd. No. - N° de la modif. hal211	Buyer ID - Id de l'acheteur hal211
Client Ref. No. - N° de réf. du client W7707-12-5560	File No. - N° du dossier HAL-2-69094	CCC No./N° CCC - FMS No./N° VME

Criteria		Point Rating
	The project(s) described for this evaluation criteria may overlap with project(s) described for other evaluation criteria in this category.	

Criteria		Point Rating
1.3	<p>Experience with IP based satellite communications</p> <p>The bidder and/or proposed team member will describe one project that is ongoing or completed within the past five years that the company undertook involving IP based satellite communications.</p> <p>Points will be awarded based on:</p> <p>1.3.1 the relevance of the project to this request for proposal;</p> <p>1.3.2 the complexity and scale of the project; and</p> <p>1.3.3 the role of the bidder and/or proposed team member in the project.</p> <p>The project(s) described for this evaluation criteria may overlap with project(s) described for other evaluation criteria in this category.</p>	50
1.4	<p>Experience with surveillance systems involving multiple levels of security classification</p> <p>The bidder and/or proposed team member will describe one project that is ongoing or completed within the past five years that the company undertook involving surveillance systems.</p> <p>Points will be awarded based on:</p> <p>1.4.1 the relevance of the project to this request for proposal;</p> <p>1.4.2 the complexity and scale of the project; and</p> <p>1.4.3 the role of the bidder and/or proposed team member in the project.</p> <p>The project(s) described for this evaluation criteria may overlap with project(s) described for other evaluation criteria in this category.</p>	50
1.5	<p>Experience with information management in the context of surveillance and monitoring</p> <p>The bidder and/or proposed team member will describe one project that is ongoing or completed within the past five years that the company undertook involving information management.</p> <p>Points will be awarded based on:</p> <p>1.5.1 the relevance of the project to this request for proposal;</p> <p>1.5.2 the complexity and scale of the project; and</p> <p>1.5.3 the role of the bidder and/or proposed team member in the project.</p>	50

Criteria			Point Rating
	The project(s) described for this evaluation criteria may overlap with project(s) described for other evaluation criteria in this category.		
2.	<b>Proposal Approach</b>		<b>Maximum 500</b> <b>Minimum 350</b>
2.1	<p>Understanding of scope and objectives</p> <p>The bidder and/or proposed team member will provide a written summary of the scope and objectives, outlining what the considerations, challenges and issues will be for the work described in this request for proposal.</p> <p>Points will be awarded based on:</p> <p>2.1.1 Clarity and pertinence of the Bidder and/or proposed team member's stated understanding of the nature of the project</p> <p>2.1.2 Identification of the significant issues affecting the scope of the project</p> <p>2.1.3 Clarity and pertinence of the Bidder and/or proposed team member's stated understanding of the project's goals, outputs, outcomes</p>	150	
2.2	<p>Project management approach</p> <p>The bidder and/or proposed team member will describe their proposed project management approach. The approach should identify the project team, including key personnel and any critical subcontractors, and outline their roles and their responsibilities. The approach should outline how the project will be managed, including an outline of the work breakdown structure (WBS), an outline of the schedule, a description of the cost, schedule and progress tracking and reporting processes, and an outline of the quality assurance and control processes.</p> <p>Points will be awarded based on:</p> <p>2.2.1 the adequacy of the project management approach;</p> <p>2.2.2 the composition of the project team;</p> <p>2.2.3 the position and authority of the project manager in the organization;</p> <p>2.2.4 the adequacy of the work breakdown structure and whether it aligns with the requirements outlined in the request for proposal;</p> <p>2.2.5 the adequacy of the schedule, including is it realistic and achievable and whether it aligns with the requirements outlined in the request for proposal;</p> <p>2.2.6 the adequacy of the schedule and its reporting process;</p> <p>2.2.7 the adequacy of the cost and progress tracking and reporting processes; and</p>	150	

Solicitation No. - N° de l'invitation  
W7707-125560/A

Amd. No. - N° de la modif.  
hal211

Buyer ID - Id de l'acheteur  
hal211

Client Ref. No. - N° de réf. du client  
W7707-12-5560

File No. - N° du dossier  
HAL-2-69094

CCC No./N° CCC - FMS No./N° VME

Criteria			Point Rating
	2.2.8	the adequacy of the quality assurance and control processes.	



Criteria		Point Rating
2.3	<p><b>Configuration management</b></p> <p>The bidder and/or proposed team member will describe their proposed approach for software and system configuration management, including the process that will be followed and the controls that will be in place.</p> <p>Points will be awarded based on:</p> <p>2.3.1 the adequacy of the proposed approach;</p> <p>2.3.2 whether the approach follows good industry practices; and</p> <p>2.3.3 whether the process is adequately scaled to the size and complexity of the work described in the request for proposal, in particular whether the process is cost effective and efficient.</p>	150
2.4	<p><b>Personnel Backup Planning and Capability</b></p> <p>The bidder and/or proposed team member will outline the plan and capability to backup key personnel and subcontractors.</p> <p>Points will be awarded based on:</p> <p>2.4.1 the adequacy of the backup plan and the capability to backup key roles with a minimum impact on the project schedule and cost.</p> <p>2.4.2 the ability to backup or replace key staff during the life of the contract</p>	20
2.5	<p><b>Field Support Capability</b></p> <p>The bidder and/or proposed team member will outline the plan and capability to provide Field Support in Halifax and at Gascoyne Inlet, Nunavut</p> <p>Points will be awarded based upon:</p> <p>2.5.1 an organization's ability to provide on-site technical support to systems including hardware and software problem identification, problem registration, and configuration managed corrective action.</p> <p>Organization capability to operate in austere locations with autonomy.</p>	30

		Criteria		Point Rating
3.	Personnel			Maximum 500 Minimum 350
3.1	Proposed Project Manager	<p>The bidder and/or proposed team member will provide the resume for the proposed project manager that demonstrates their experience in managing projects; their technical qualifications and training; any certifications they have achieved; and their years of experience as a Project Manager in this field.</p> <p>Points will be awarded based on:</p> <p>3.1.1 the relevance and extent of their previous experience;</p> <p>3.1.2 the relevance and extent of their qualifications, training and any certifications they have received, and</p> <p>3.1.3 their years of experience in this field.</p>		100
3.2	Proposed Systems Engineer and/or System Developer	<p>The bidder and/or proposed team member will provide the resume for the proposed systems engineering / development lead that demonstrates their experience in systems engineering and/or development; their experience with: system integration, remotely operated systems, satellite communications, surveillance systems, information management; their technical qualifications and training; any certifications they have achieved; and their years of experience as a Systems Engineer/Developer.</p> <p>Points will be awarded based on:</p> <p>3.2.1 the relevance and extent of their previous experience;</p> <p>3.2.2 the relevance and extent of their qualifications, training and any certifications they have received, and</p> <p>3.2.3 their years of experience in this field.</p>		100
3.3	Proposed Lead Software Developer	<p>The bidder and/or proposed team member will provide the resume for the proposed software development lead that demonstrates their experience in software development; their experience with: system integration, remotely operated systems, satellite communications, surveillance systems, information management; their technical qualifications and training; any certifications they have achieved; and their years of experience as a Software Developer.</p>		100

Criteria		Point Rating
	<p>Points will be awarded based on:</p> <p>3.3.1 the relevance and extent of their previous experience;</p> <p>3.3.2 the relevance and extent of their qualifications, training and any certifications they have received, and</p> <p>3.3.3 their years of experience in this field.</p>	
3.4	<p>Proposed Field Support Personnel</p> <p>The bidder and/or proposed team member will indicate their capability to provide field support at an Arctic field camp location for a period of up to eight weeks per year.</p> <p>The bidder and/or proposed team member will provide at minimum one resume for the proposed field support personnel that demonstrates their experience with providing field support and troubleshooting, their technical qualifications and training, and their years of experience as a field support person.</p> <p>Points will be awarded based on:</p> <p>3.4.1 the relevance and extent of the previous experience of the proposed field support personnel in supporting systems of this nature;</p> <p>3.4.2 the relevance and extent of the qualifications and training of the proposed field support personnel; and</p> <p>3.4.3 the years of experience of the proposed field support personnel.</p> <p>Note: the field support personnel may overlap with other named personnel.</p>	50
3.5	<p>Proposed Sensor Integration Personnel</p> <p>The bidder and/or proposed team member will provide at minimum one resume for the proposed sensor integration personnel that demonstrates their experience in sensor integration, their technical qualifications and training, and their years of experience with sensor integration.</p> <p>Points will be awarded based on:</p> <p>3.5.1 the relevance and extent of their previous experience;</p> <p>3.5.2 the relevance and extent of their qualifications, training and any certifications they have received, and</p>	75

Solicitation No. - N° de l'invitation	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
W7707-125560/A		hal211
Client Ref. No. - N° de réf. du client	File No. - N° du dossier	CCC No./N° CCC - FMS No./N° VME
W7707-12-5560	HAL-2-69094	

	Criteria	Point Rating
	3.5.3 their years of experience in this field.	
	Note: the sensor integration personnel may overlap with other named personnel.	

Criteria		Point Rating
3.6	<p><b>Proposed Satellite Communications Personnel</b></p> <p>The bidder and/or proposed team member will provide at minimum one resume for the proposed satellite communications personnel that demonstrates their experience with satellite communications, their technical qualifications and training, any certifications they have achieved and their years of experience with satellite communications.</p> <p>Points will be awarded based on:</p> <p>3.6.1 the relevance and extent of their previous experience;</p> <p>3.6.2 the relevance and extent of their qualifications, training and any certifications they have received, and</p> <p>3.6.3 their years of experience in this field.</p> <p>Note: the satellite communications personnel may overlap with other named personnel.</p>	75
<b>4.</b>	<b>Technical</b>	<b>Maximum 1000 Minimum 700</b>
4.1	<p><b>Design approach and methodology</b></p> <p>The bidder and/or proposed team member must provide an overview of their system design approach and methodology, detailing how this approach will achieve the contract objectives.</p> <p>Points will be awards based on:</p> <p>4.1.1 the clarity and logical organization of the design approach and methodology presentation;</p> <p>4.1.2 whether the approach is adequately scaled to the size and complexity of the work described in the request for proposal, in particular whether the approach is cost effective and efficient</p> <p>4.1.3 whether the approach follows accepted practices; and</p> <p>4.1.4 the adequacy of the plan to meet the system reliability requirements within the financial and schedule constraints of the project, in particular the balance between designing, building and testing.</p>	400
4.2	<p><b>Proposed system architecture</b></p> <p>Bidder and/or proposed team member will provide a description of the proposed system architecture that outlines the network, software and hardware aspects of the architecture. The bidder and/or proposed team</p>	300

Criteria		Point Rating
	<p>member will describe the basis for the architecture, and, if the bidder and/or proposed team member is not proposing the use of the DRDC System Test Bed (STB), the bidder and/or proposed team member must describe their proposed alternative and explain the benefits of using that alternative. In particular, the Bidder and/or proposed team member will explain how architecture will be modular and open.</p> <p>Points will be awarded based on:</p> <p>4.2.1 the adequacy of the approach to meet the intentions presented in the Northern Watch System Concept;</p> <p>4.2.2 whether the basis for the system architecture is modular and open;</p> <p>4.2.3 whether the use of free open source software development tools are proposed (or if the bidder and/or proposed team member has provided a justification to include a reasonable alternative to free open source); and</p> <p>4.2.4 whether the use of an alternative Command and Control System instead of the DRDC STB has been reasonably justified by the bidder and/or proposed team member.</p>	
4.3	<p>Summary of technical risks and mitigations</p> <p>Bidder and/or proposed team member will provide a summary of the technical risks and proposed mitigations they have identified for the work described in this request for proposal.</p> <p>Points will be awarded based on:</p> <p>4.3.1 the adequacy of the risk review and risks identified; and</p> <p>4.3.2 the adequacy of the proposed mitigations.</p>	300
5.	<b>Unfunded Option</b>	<b>Maximum 200 Minimum 140</b>
5.1	<p>Resource Plan</p> <p>Bidder and/or proposed team member will provide a plan for resources that they are willing to provide for the unfunded work tasks based upon the broad task descriptions provided.</p> <p>Points will be based upon the Bidder and/or proposed team member's proposal for provision of personnel and/or material resources.</p>	200

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## ATTACHMENT 4 SAMPLE TEAM IDENTIFICATION

### I. Bidder:

Firm or Joint Venture Name: .....

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#### Key Individuals

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### II. Key Sub Consultants / Specialists:(insert as many as required)

Firm Name: .....

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#### Key Individuals

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Firm Name: .....

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#### Key Individuals

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