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1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scotia

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

### Vendor/Firm Name and Address

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

### Issuing Office - Bureau de distribution

Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scot

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<b>Title - Sujet</b> Maritime Information Warfare	
<b>Solicitation No. - N° de l'invitation</b> W7707-196524/B	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> W7707-19-6524	<b>Date</b> 2020-04-17
<b>GETS Reference No. - N° de référence de SEAG</b> PW-SHAL-104-5989	
<b>File No. - N° de dossier</b> HAL-9-82018 (104)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2020-04-23</b>	<b>Time Zone</b> <b>Fuseau horaire</b> 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> Nowakowski, Leanne	<b>Buyer Id - Id de l'acheteur</b> hal104
<b>Telephone No. - N° de téléphone</b> (902) 403-7112 ( )	<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> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<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> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation Amendment 003 is being issued to provide additional questions and answers.

**1) Questions and Answers:**

8. In Part 1, section 2.3 item 1.(b), it says "the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 7 - Resulting Contract Clauses;". Additionally, Annex C mentions: "unscreened personnel may be used for portions of the work". Could Canada clarify which resource categories require access to classified information, and which resource categories do not?
  - a. We would like to clarify that any of the resource categories might require access to classified information over the duration of the contract. However, we also want to make clear that at the time of responding to the RFP, the company must have at least 1 person as part of the bid team that is cleared to secret.
9. In Part 1, section 2.3, item 1 indicates that the security requirements must be met at the date of bid closing. These requirements include security clearances. However, item 2 says "Any delay in the issuance of a standing offer to allow the successful Offeror to obtain the required clearance will be at the entire discretion of the Standing Offer Authority." Is our understanding correct then that if some security clearance requests for some proposed resources are still being processed at the time of bid closing, it does not disqualify us? Given the time it takes to obtain security clearances (especially in the current context), it seems like the requirement to have them at the time of bid closing is not realistic for companies or resources that did not have them prior to the release of this RFP.
  - a. As indicated in Part 1 section 2.3 1) Offerors must meet the security requirements at bid closing, or their bid will be deemed as non-compliant. As indicated in question 8) above, the Company must have at least 1 personnel cleared at the Secret Level at the time of bid closing. Additional personnel can be cleared as soon as possible after Contract Award.
10. Could Canada confirm that our understanding of evaluation criteria P15 is correct? For the SME INFO, all journal and peer reviewed publications within the past 60 month's count, regardless of whether they relate to INFO, to MSA or to neither (and the same applies for the SME MSA).
  - a. First, note that a previous question (3) in Solicitation Amendment 001 has resulted in the "60 months" becoming "120 months". For this question, only publications that are listed as in the INFO or MSA categories, will count in the evaluation.
11. Point rated criteria P1, P5 and P10 provide scoring for proposed resources education background in applicable field. We are asking that university diploma in physics and bidisciplinary in physics and computer science be considered. It seems unfair that BEng Electrical can score points in these categories while other university scientific diplomas with heavy computer scientific background cannot, even at Ph.D. level. It also seems to reflect a misunderstanding on physicist's academic curriculum.

- a. DRDC will revise the scoring for P1, P5, and P10 to reflect the following:

**Education:**

BSc in Computer Science; or

BEng in software or electrical; or

BSC with minor or major in Computer Science combined with physics, or math, or chemistry = 40 points (maximum, no compounding)

Diploma in Information Technology; or

Degree in physics, or math, or chemistry = 20 points (maximum, no compounding)

- 2) **At:** Annex C, Evaluation Criteria and Selection Method, Revision 1

**Delete:** in its entirety

**Insert:** Annex C, Evaluation Criteria and Selection Method, Revision 2

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

### 1. MANDATORY EVALUATION CRITERIA

In their proposals, bidders must demonstrate they meet the following mandatory criteria. Failure to meet any of the mandatory criteria will render the bid non-compliant and it will be given no further consideration.

#### 1.1 Bidder Experience (maximum 1000 words not including CVs)

	CRITERIA	MET	NOT MET	Please Cross Reference to Specific Pages in your Proposal
<b>M1</b>	<p>The bidder must have previous experience managing two similar* contracts within the past 10 years.</p> <p>The bidder must provide a summary of each contract, including; the value and length of the contract; a description of the work; the number of resources managed per year; and, a description of the strategies used to manage the contract.</p> <p><i>* similar</i> is defined as past work in Maritime Situational Awareness, Information Management, and/or Information Analysis Techniques.</p>			
<b>M2</b>	<p>The bidder must have previous experience in the administration of at least five tasks against a single contract within the past 10 years.</p> <p>The bidder must provide a summary of the contract, including:</p> <ul style="list-style-type: none"> <li>• a description of the work;</li> <li>• the number of tasks managed; and</li> <li>• a description of the strategies employed to manage multiple tasks and deliverables.</li> </ul>			

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

### 1.2 Project Manager Experience (maximum 200 words not including CVs)

	CRITERIA	MET	NOT MET	Please Cross Reference to Specific Pages in your Proposal
<b>M3</b>	The Bidder must demonstrate that the proposed resources has 12 months experience as a project manager for projects of a value at or exceeding \$100k in the last 36 months.			

### 1.3 Software Engineer/Designer Experience (maximum 300 words not including CVs)

	CRITERIA	MET	NOT MET	Please Cross Reference to Specific Pages in your Proposal
<b>M4</b>	The Bidder must demonstrate that the proposed <b>Senior</b> resource has a minimum of 48 months of experience in software design within the last 120 months.			
<b>M5</b>	The Bidder must demonstrate that the proposed <b>Junior</b> resource has a minimum of 12 months of experience in software design within the last 120 months.			

### 1.4 Database Engineer (maximum 300 words not including CVs)

	CRITERIA	MET	NOT MET	Please Cross Reference to Specific Pages in your Proposal
<b>M7</b>	The Bidder must demonstrate that the proposed <b>Senior</b> resource has a minimum of 48 months of experience in database engineering within the last 120 months.			

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

<b>M8</b>	The Bidder must demonstrate that the proposed <b>Junior</b> resource has a minimum of 12 months of experience in database engineering within the last 120 months.			
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### 1.5 Computer Programmer (maximum 300 words not including CVs)

	<b>CRITERIA</b>	<b>MET</b>	<b>NOT MET</b>	<b>Please Cross Reference to Specific Pages in your Proposal</b>
<b>M9</b>	The Bidder must demonstrate that the proposed <b>Senior</b> resource has a minimum of 48 months of experience in computer programming within the last 120 months.			
<b>M10</b>	The Bidder must demonstrate that the proposed <b>Junior</b> resource has a minimum of 12 months of experience in computer programming within the last 120 months.			

### 1.6 Subject Matter Expert

	<b>CRITERIA</b>	<b>MET</b>	<b>NOT MET</b>	<b>Please Cross Reference to Specific Pages in your Proposal</b>
<b>M11</b>	<p>The Bidder must propose a minimum of two Subject Matter Expert (SME) resources. Each of the SMEs must have a minimum of two publications in at least two of the following topics. The publication must be in a peer reviewed journal or a peer reviewed conference proceeding, and must have a publication date within the last 120 months:</p> <ol style="list-style-type: none"> <li>1. Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR),</li> </ol>			

EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

	<div>2. Command and Control (C2), 3. Communications and Information Systems (CIS), 4. Common Operating Picture (COP), 5. Battlespace Management, 6. Information Operations (Info Ops),</div> <div>For each publication the Bidder must provide a copy of the abstract, complete authorship, publication date, title, publisher, and indicate the applicable topic area 1-6 as shown above.</div>			
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## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

### 2. POINT-RATED EVALUATION CRITERIA (P)

#### 2.1 Senior Software Engineer/Designer Experience (maximum 600 words not including CVs)

	PROPOSED RESOURCES POINT-RATED EVALUATION CRITERIA	Point Breakdown Structure	Maximum	Please Cross Reference to Specific Pages in your Proposal
<b>P1</b>	The Bidder should demonstrate that the proposed Database Engineer resource has education background in an applicable field.	<p>Education:</p> <p>BSc in Computer Science; or BEEng in software or electrical; or BSC with minor or major in Computer Science combined with physics, or math, or chemistry = 40 points (maximum, no compounding)</p> <p>Diploma in Information Technology; or Degree in physics, or math, or chemistry = 20 points (maximum, no compounding)</p>	<b>40</b>	
<b>P2</b>	<p>The Bidder should demonstrate that the proposed Software Engineer/Designer resource has experience or has taken formal training in OpenShift, OpenStack, or equivalents.</p> <p>Training certificates relevant to the above noted software is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in OpenShift (or equivalent) = 10 points Certification in OpenStack (or equivalent) = 10 points</p> <p>Experience in either OpenShift, OpenStack or equivalent 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points</p>	<b>50</b>	



## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

<b>P3</b>	The Bidder should demonstrate that the proposed Software Engineer/Designer resource has experience or has taken formal training in virtual machines.  Training certificates relevant to virtual machines is considered to be a course with a minimum length of 20 hours.	Certification in virtual machines = 20 points  Experience in virtual machines 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>50</b>	
<b>P4</b>	The Bidder should demonstrate that the proposed Software Engineer/Designer resource has experience or has taken formal training in Linux.  Training certificates relevant to the above noted software is considered to be a course with a minimum length of 20 hours.	Certification in Linux = 10 points  Experience in Linux 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>40</b>	
<b>TOTAL</b>			<b>180</b>	

### 2.2 Senior Database Engineer Experience (maximum 600 words not including CVs)

<b>PROPOSED RESOURCES POINT-RATED EVALUATION CRITERIA</b>		<b>Point Breakdown Structure</b>	<b>Maximum</b>	<b>Please Cross Reference to Specific Pages in your Proposal</b>
<b>P5</b>	The Bidder should demonstrate that the proposed Database Engineer resource has education background in an applicable field.	Education:  BSc in Computer Science; or BEng in Software or Electrical; or	<b>40</b>	

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

		BSc with minor or major in Computer Science combined with physics, or math, or chemistry = 40 points (maximum, no compounding)  Diploma in Information Technology; or Degree in Physics, or Math, or Chemistry = 20 points (maximum, no compounding)		
<b>P6</b>	The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in database design and implementation.  Training certificates relevant to database design and implementation is considered to be a course with a minimum length of 20 hours.	Certification in database design and implementation = 10 points  Experience in database design and implementation: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>40</b>	
<b>P7</b>	The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in geospatial database management systems.  Training certificates relevant to geospatial database management systems is considered to be a course with a minimum length of 20 hours.	Certification in geospatial database management systems = 10 points  Experience in geospatial database management systems: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>40</b>	
<b>P8</b>	The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in	Certification in relational and NoSQL database management systems = 10 points	<b>40</b>	

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

	relational and NoSQL database management systems.  Training certificates relevant to relational and NoSQL database management systems is considered to be a course with a minimum length of 20 hours.	Experience in relational and NoSQL database management systems: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points		
<b>P9</b>	The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in data analytics.  Training certificates relevant to data analytics is considered to be a course with a minimum length of 20 hours.	Certification in data analytics= 10 points  Experience in data analytics: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>40</b>	
	<b>TOTAL</b>		<b>200</b>	

### 2.3 Senior Computer Programmer Experience (maximum 600 words not including CVs)

	<b>PROPOSED RESOURCES POINT-RATED EVALUATION CRITERIA</b>	<b>Point Breakdown Structure</b>	<b>Maximum</b>	<b>Please Cross Reference to Specific Pages in your Proposal</b>
<b>P10</b>	The Bidder should demonstrate that the proposed Computer Programmer resource has education background in an applicable field.	Education:  BSc in Computer Science; or BEng in Software or Electrical; or BSc with minor or major in Computer Science combined with physics, or math, or chemistry = 40 points (maximum, no compounding	<b>40</b>	

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

		Diploma in Information Technology; or Degree in Physics, or Math, or Chemistry = 20 points (maximum, no compounding)		
<b>P11</b>	<p>The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in Docker.</p> <p>Training certificates relevant to Docker is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in Docker= 10 points Certification in an equivalent = 10 points</p> <p>Experience in Docker: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points</p>	<b>50</b>	
<b>P12</b>	<p>The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in Apache ActiveMQ or equivalents.</p> <p>Training certificates relevant to Apache ActiveMQ or equivalents is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in Apache ActiveMQ = 10 points Certification in an equivalent = 10 points</p> <p>Experience in either Apache ActiveMQ or equivalents: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points</p>	<b>50</b>	
<b>P13</b>	The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in C++.	<p>Certification in C++= 10 points</p> <p>Experience in C++: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points</p>	<b>40</b>	

EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

	Training certificates relevant to C++ is considered to be a course with a minimum length of 20 hours.			
<b>P14</b>	<p>The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in Java.</p> <p>Training certificates relevant to Java is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in Java= 10 points</p> <p>Experience in Java: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points</p>	<b>40</b>	
		<b>TOTAL</b>	<b>220</b>	

2.4 Subject Matter Expert

PROPOSED RESOURCES POINT-RATED EVALUATION CRITERIA	Point Breakdown Structure	Minimum	Maximum	Please Cross Reference to Specific Pages in your Proposal
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## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

<b>P15</b>	<p>The Bidder should demonstrate that each proposed Subject Matter Expert (SME) resource has demonstrated contributions to the S&amp;T literature.</p> <p>A minimum of two SMEs should be identified:</p> <ul style="list-style-type: none"> <li>• SME INFO - speciality area of information management and/or analysis techniques (e.g., clustering, data mining, machine learning, Bayesian networks); and</li> <li>• SME MSA in the speciality area of Maritime Situational Awareness.</li> </ul> <p>A publication list for each SME should be provided, listing only journal and peer reviewed conference papers, and clearly indicating the paper as INFO or MSA applicable. This list should cover the last 120 months and may include all SME publications regardless of whether or not the publication supports the SME's speciality area.</p>	<p>Number of publications for each SME:</p> <p>1-5 publications = 10 points</p> <p>6-10 publications = 30 points</p> <p>11 or more publications = 50 points</p>	<b>20*</b>	<b>100</b>	
<b>P16</b>	<p>The Bidder should demonstrate that each proposed SME resource has demonstrated significant contributions to the S&amp;T literature in the SME's speciality area (i.e., INFO or MSA).</p> <p>The Bidder should provide one complete published peer reviewed journal or conference paper for each SME.</p> <p>The SME must be first author, or any location in the authorship if authorship is alphabetical, on</p>	<p>See Appendix C to Annex E Evaluation Criteria – P16 Criteria and Point breakdown structure (maximum 100 points per paper)</p>	<b>100*</b>	<b>200</b>	

EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

	the paper. The paper should have been published within the last 120 months.				
		TOTAL	120	300	

\*Bidders must meet the minimum point rating in order to be deemed responsive. Those not meeting the minimum number of points will be deemed as non-compliant and will not be considered / evaluated any further.

3. RESOURCE CATEGORIES

## EVALUATION CRITERIA AND SELECTION METHOD, Revision 2

Resource categories	Minimum number of resources required	Level of Effort
Project Manager	1	5%
Software Engineer/Designer – Junior	1	15%
Software Engineer/Designer – Senior	1	10%
Database Engineer – Junior	1	15%
Database Engineer – Senior	1	10%
Computer Programmer – Junior	1	15%
Computer Programmer – Senior	1	10%
Subject Matter Expert – SME INFO	1	10%
Subject Matter Expert – SME MSA	1	10%