



## 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.)

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

B3J 1T3

<b>Title - Sujet</b> Maritime Information Warfare	
<b>Solicitation No. - N° de l'invitation</b> W7707-196524/B	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W7707-19-6524	<b>Date</b> 2020-03-26
<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 002 is being issued to provide the questions and answers to date.**

**Questions and Answers:**

- 1) (This question was asked in the previous version of the RFP, but we would like to confirm that the answer is still the same) According to chapter 10 of the statement of work, the work must be performed on Contractor site, at DRDC Atlantic, or at a third-party site chosen by the Technical Authority. Provided that we are not based in Nova Scotia, can we assume that most of the work can be performed at the contractor's site with only occasional visits at DRDC Atlantic?
  - a) Yes, it can be assumed that most of the work will be performed at the Contractor's site with occasional visits to DRDC Atlantic.
- 2) (This question was asked in the previous version of the RFP, but we would like to confirm that the answer is still the same) Can a resource be proposed for more than one position? For instance, can the same person be proposed as a Software Engineer and a Database Engineer?
  - a) Yes, a resource can be proposed for more than one position
- 3) For criteria M11, P15 and P16, would Canada consider allowing publications within the last 10 years rather than the last 60 months? There are teams with extensive scientific experiences whom have been recently working on sensitive projects where publications were not allowed. Such extension will allow Canada to improve the pool of bidders and increase the chances of having high quality proposals.
  - a) Yes, we will accept 10 years for those criteria.
- 4) For criteria P16, would Canada consider removing the conditions of first authorships? Sometimes the scientific contributions are equally important amongst the authors and they are simply listed in alphabetical order. It seems strange to require first authorship, when the contribution of the SME to the paper is also evaluated in Appendix C to Annex E (the section titled "The SME's contribution")
  - a) Yes, we will accept papers where authorship is in alphabetical order.
- 5) For criteria M11, P15 and P16, would Canada consider allowing scientific and technical reports published at DRDC? This would allow some SME to put forward publications that could not be published in a peer reviewed journal or conference due to their sensitive nature.
  - a) No, we maintain our original requirement.
- 6) **Limitation of Expenditure** (Cumulative Total of all Task Authorizations) – Does Canada have an estimated value (or range) for the limitation of expenditure for a resultant contract?
  - a) The estimated limitation of expenditure is \$1,500,000.00 excluding taxes, and including all option periods.
- 7) **Request Extension** – The subject RFP was published on the Buy and Sell web site on 6 March 2020 with a closing date of 23 March 2020. Would Canada please consider an extension to 30 April 2020?
  - a) Yes, an extension will be granted to April 23, 2020.

## EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

### 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 1

## 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 1

<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.			
-----------	---	--	--	--

### 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 1**

	<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>			
--	--	--	--	--

## EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

### 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.	Education: BSc in Computer Science; or BEng in Software or Electrical = 40  Diploma in Information Technology = 20 Certification in OpenShift (or equivalent) = 10 points Certification in OpenStack (or equivalent) = 10 points	<b>40</b>
<b>P2</b>	The Bidder should demonstrate that the proposed Software Engineer/Designer resource has experience or has taken formal training in OpenShift, OpenStack, or equivalents.  Training certificates relevant to the above noted software is considered to be a course with a minimum length of 20 hours.	Experience in either OpenShift, OpenStack or equivalent 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>50</b>
<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>

## EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

<b>P4</b>	<p>The Bidder should demonstrate that the proposed Software Engineer/Designer resource has experience or has taken formal training in Linux.</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 Linux = 10 points</p> <p>Experience in Linux</p> <p>0-24 months = 10 points</p> <p>25-60 months = 20 points</p> <p>61 or more months = 30 points</p>	<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.	<p>Education:</p> <p>BSc in Computer Science; or BEng in Software or Electrical = 40</p> <p>Diploma in Information Technology = 20</p>	<b>40</b>	
<b>P6</b>	<p>The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in database design and implementation.</p> <p>Training certificates relevant to database design and implementation is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in database design and implementation = 10 points</p> <p>Experience in database design and implementation:</p> <p>0-24 months = 10 points</p> <p>25-60 months = 20 points</p> <p>61 or more months = 30 points</p>	<b>40</b>	



# EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

<b>P7</b>	<p>The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in geospatial database management systems.</p> <p>Training certificates relevant to geospatial database management systems is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in geospatial database management systems = 10 points</p> <p>Experience in geospatial database management systems:  0-24 months = 10 points  25-60 months = 20 points  61 or more months = 30 points</p>	<b>40</b>	
<b>P8</b>	<p>The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in relational and NoSQL database management systems.</p> <p>Training certificates relevant to relational and NoSQL database management systems is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in relational and NoSQL database management systems = 10 points</p> <p>Experience in relational and NoSQL database management systems:  0-24 months = 10 points  25-60 months = 20 points  61 or more months = 30 points</p>	<b>40</b>	
<b>P9</b>	<p>The Bidder should demonstrate that the proposed Database Engineer resource has experience or has taken formal training in data analytics.</p> <p>Training certificates relevant to data analytics is considered to be a course with a minimum length of 20 hours.</p>	<p>Certification in data analytics= 10 points</p> <p>Experience in data analytics:  0-24 months = 10 points  25-60 months = 20 points  61 or more months = 30 points</p>	<b>40</b>	
		<b>TOTAL</b>	<b>200</b>	

## EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

### 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 = 40 Diploma in Information Technology = 20	<b>40</b>	
<b>P11</b>	The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in Docker.  Training certificates relevant to Docker is considered to be a course with a minimum length of 20 hours.	Certification in Docker= 10 points Certification in an equivalent = 10 points  Experience in Docker: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>50</b>	
<b>P12</b>	The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in Apache ActiveMQ or equivalents.  Training certificates relevant to Apache ActiveMQ or equivalents is considered to be a course with a minimum length of 20 hours.	Certification in Apache ActiveMQ = 10 points Certification in an equivalent = 10 points  Experience in either Apache ActiveMQ or equivalents: 0-24 months = 10 points 25-60 months = 20 points 61 or more months = 30 points	<b>50</b>	

# EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

<b>P13</b>	<p>The Bidder should indicate that the proposed Computer Programmer resource has experience or has taken formal training in C++.</p> <p>Training certificates relevant to C++ is considered to be a course with a minimum length of 20 hours.</p>	<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>	
<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>	

# EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

## 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
<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>	
	<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>	See Appendix C to Annex E Evaluation Criteria – P16 Criteria and Point breakdown structure (maximum 100 points per paper)	<b>100*</b>	<b>200</b>	

EVALUATION CRITERIA AND SELECTION METHOD, REVISION 1

	The Bidder should provide one complete published peer reviewed journal or conference paper for each SME. The SME must be first author, or any location in the authorship if authorship is alphabetical, on 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

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%