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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
Defence Communications Division. (QD)
11 Laurier St./11, rue Laurier
Place du Portage, Phase III, 8C2
Gatineau, Québec K1A 0S5

Title - Sujet Medium Range Radar (MRR)	
Solicitation No. - N° de l'invitation W8476-133817/E	Amendment No. - N° modif. 007
Client Reference No. - N° de référence du client W8476-133817	Date 2014-05-28
GETS Reference No. - N° de référence de SEAG PW-\$\$QD-023-24350	
File No. - N° de dossier 023qd.W8476-133817	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-07-03	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Bright, James	Buyer Id - Id de l'acheteur 023qd
Telephone No. - N° de téléphone (819) 956-6181 ()	FAX No. - N° de FAX (819) 956-0636
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Instructions: See Herein

Instructions: Voir aux présentes

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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

Amendment #7

Amendment # 7 is being released to answer questions from Industry.

The following questions and responses are listed below:

Question 34:

Are any incremental changes/improvements (hardware or functional changes) to the radar configuration authorized after the submission of the RFP?

Answer 34:

See paragraph 1 and 2 of the General Instructions in Appendix 3 to Annex K

Question 35:

Are any incremental changes/improvements (hardware or functional changes) to the radar configuration authorized after the Live Fire demonstration?

Answer 35:

See paragraph 1 and 2 of the General Instructions in Appendix 3 to Annex K and paragraph 1.3 of Appendix 6 to Annex K

Question 36:

3.1.1.1.2: The MRR System should perform the weapon location mission and the air surveillance mission concurrently.

Please confirm that if X complies with this dual mode "should" requirement, then all the rated requirements found in paras listed below would be applicable when the MRR perform both the weapon location mission and the air surveillance mission concurrently/simultaneously.

Applicable rated requirements include: 3.1.1.1; 3.1.3.2; 3.1.3.6; 3.1.3.12; as well as: 3.1.5.2; 3.1.5.3; 3.1.5.10; 3.1.5.12; and 3.1.4.

Answer 36:

This specification is standalone, therefore not inter-related to other specification elements

Question 37:

3.1.1.1.2: The MRR System should perform the weapon location mission and the air surveillance mission concurrently.

Is the dual mode requirement also applicable for the 360° degree-sector in azimuth rated requirements?

Answer 37:

Contractor design decision

Question 38:

3.1.1.2.1: The MRR System shall digitally record and transmit data.

How much data must the MRR System be able to record?

Answer 38:

Contractor design decision

Question 39:

3.1.1.2.1: The MRR System shall digitally record and transmit data.

Must the data recorded be stored permanently?

Answer 39:

Contractor design decision

Question 40:

3.1.1.2.1: The MRR System shall digitally record and transmit data.

How must the data be stored; portable storage device/drive; built-in storage, etc.?

Answer 40:

Contractor design decision

Question 41:

3.1.1.2.1: The MRR System shall digitally record and transmit data.

Is the intent to have the digitally recorded target data transmitted by the MRR system or a GFE system? Please provide transmission requirement details.

Answer 41:

See specification paragraph 3.1.6

Question 42:

3.1.1.2.1: The MRR System shall digitally record and transmit data.

What is the interface between the MRR System and whatever is receiving the target data?

Answer 42:

See specification paragraph 3.1.6

Question 43:

3.1.1.4.1: The MRR System shall have a remote operation capability allowing the operator to be a minimum distance of 100 meters from the MRR System.

Can the remote operating capability be wireless or must it be hardwired?

Answer 43:

The communication link is the responsibility of Canada. It is based on Ethernet technology with a throughput in excess of 10 MBS.

Question 44:

3.1.2.5.4: All applicable recorded data shall be accessible through a USB interface.

What USB standard is required?

Answer 44:

The USB interface standard is a Contractor design decision

Question 45:

3.1.2.6 Site Reconnaissance Survey and Navigation

For points 3.1.2.6.1 through 3.1.2.6.4, what level of accuracy is required for positional, pointing, orientation, etc.?

Answer 45:

Contractor design decision

Question 46:

3.1.2.7.2.d.: As a minimum the MRR System display shall have the following controls: ...
Communication controls (to be refined with interface to CAF C2)

What is expected/intended for communications controls?

Answer 46:

Contractor design decision

Question 47:

3.1.2.7.2.d.: As a minimum the MRR System display shall have the following controls: ...
Communication controls (to be refined with interface to CAF C2)

When and how will this be refined?

Answer 47:

Refinement required by Canada would be through a separate TIES task

Question 48:

3.1.2.7.2.d.: As a minimum the MRR System display shall have the following controls: ...
Communication controls (to be refined with interface to CAF C2)

What interface is required with the CAF C2 system?

Answer 48:

See specification paragraph 3.1.6

Question 49:

3.1.2.7.2.f: As a minimum the MRR System display shall have the following controls: ...
Mission planning tools.

Please explain what is meant by “controls” for “mission planning tools”?

Answer 49:

Contractor design decision

Question 50:

3.1.2.7.2.f: As a minimum the MRR System display shall have the following controls: ...
Mission planning tools.

Do you mean “functionality” rather than “controls”?

Answer 50:

Contractor design decision

Question 51:

3.1.3.1: Search Sector capability

Based on question 5 above, do requirements for 360° location mode and 90° sector in azimuth mode apply when the MRR performs both the weapon location mission and the air surveillance mission concurrently/simultaneously?

Answer 51:

Contractor design decision

Question 52:

3.1.5.15.1: This section asks that the MRR System have an IFF integrator that contains all of the latest features of a modern IFF/secondary surveillance radar. Sections 3.1.5.15.2 through 3.1.5.15.6 define further requirements for the IFF/SSR.

Please explain what is meant by "contains all of the latest features of a modern IFF/secondary surveillance radar".

Answer 52:

See answer at question 5 of RFP Amendment 5

Question 53:

3.1.5.2.1: What is the definition of a low speed rotary wing aircraft?

Answer 53:

See paragraph 3.1.5.7.2 and 3.1.5.2.1 of Appendix 1 to Annex A-ACQ

Question 54:

3.1.5.3.1: What is the definition of a low speed UAV?

Answer 54:

See paragraph 3.1.5.7.2 and 3.1.5.3.1 of Appendix 1 to Annex A-ACQ

Question 55:

3.1.6.2: The weapon locating part of the MRR System shall use a non-proprietary Application Programming Interface. The weapon locating part of the MRR shall transmit a comprehensive set of messages to the LCSS.

What is the message format to be transmitted to LCSS?

Answer 55:

The message format is a Contractor design decision

Question 56:

3.1.6.2: The weapon locating part of the MRR System shall use a non-proprietary Application Programming Interface. The weapon locating part of the MRR shall transmit a comprehensive set of messages to the LCSS.

What is the expected content of these messages?

Answer 56:

The content of the message is a Contractor design decision

Question 57:

3.1.6.2: The weapon locating part of the MRR System shall use a non-proprietary Application Programming Interface. The weapon locating part of the MRR shall transmit a comprehensive set of messages to the LCSS.

Is there a NATO (or other) standard for these message formats?

Answer 57:

There is no standard specified for these message formats

Question 58:

3.1.6.2: The weapon locating part of the MRR System shall use a non-proprietary Application Programming Interface. The weapon locating part of the MRR shall transmit a comprehensive set of messages to the LCSS.

How does the message format relate to the requested non-proprietary API?

Answer 58:

Contractor design decision

Question 59:

3.2.3: Degradation. In the presence of a broadband jammer...

Does the broadband jammer refer to either an airborne or ground located jammer or both?

Answer 59:

All combinations are possible

Question 60:

3.4.1.1: The MRR Sensor System shall be mounted on a single trailer. Ancillary equipment may be transported on the GFE prime mover or a second trailer.

Does the MRR Sensor System include the radar antenna, power generator and everything else required to conduct air surveillance and weapon locating without ancillary equipment?

Answer 60:

Contractor design decision

Question 61:

3.4.1.1: The MRR Sensor System shall be mounted on a single trailer. Ancillary equipment may be transported on the GFE prime mover or a second trailer.

What is considered to be ancillary equipment?

Answer 61:

Contractor design decision to enable the system to be fully operational

Question 62:

3.4.1.1: The MRR Sensor System shall be mounted on a single trailer. Ancillary equipment may be transported on the GFE prime mover or a second trailer.

Is the second trailer to be pulled by a second prime mover or can it be pulled by the MRR System trailer?

Answer 62:

Contractor design decision

Question 63:

1.2.2: Following the closing of the RFP, Canada will request a date for the conduct of the Live Fire Evaluation from each of the participating bidders.

How long following closing of the RFP does Canada anticipate before requesting a date for the Live Fire evaluation?

Answer 63:

See answer to question 17 in RFP Amendment 5

Question 64:

2.1.1: No mode changes or adjustments to the performance of the System shall be allowed for the mandatory requirements in paragraph 4.1.5 to 4.1.12 inclusive.

Are mode changes/adjustments permitted for the requirements in paragraph 4.1.13 to 4.1.16 inclusive?

Answer 64:

Addressed in Appendix 6 to Annex K V2 paragraph 2.2.1

Question 65:

2.3.1: This sections references paragraph 3.2 (Electronic Protection Measures) of the System Performance Specification at Appendix 1 to Annex A.

Should this instead reference paragraph 3.1.5 (Air Surveillance Capability) of the System Performance Specification at Appendix 1 to Annex A?

Answer 65:

Addressed in Appendix 6 to Annex K V2

Question 66:

2.3.1: Does the probability of detection also need to be demonstrated? If so what are the required values?

Answer 66:

Not mandatory for Live Fire Evaluation

Question 67:

2.3.1: If the probability of detection needs to be demonstrated, what are the required values?

Answer 67:

See specification paragraphs 3.1.5.8, 3.1.5.9, 3.1.5.10 and 3.1.5.11

Question 68:

3.1.5: The bidders shall bring attention to Requirement 11...

Please confirm that Requirement 11 is referencing paragraph 4.1.16 Desirable Requirement 11.

Answer 68:

Addressed in Appendix 6 to Annex K V2

Question 69:

3.1.5: The bidders shall bring attention to Requirement 11...

Please define "bring attention to".

Answer 69:

Addressed in Appendix 6 to Annex K V2

Question 70:

4.1.1: The parameters of all proposed tests...

Please clarify the parameters mentioned.

Answer 70:

In the case of paragraph 4.1.1 of Appendix 6 to Annex K, the parameters are all the specification elements from Appendix 1 to Annex A which are demonstrated in the proposed test cases

Question 71:

4.1.1: The parameters of all proposed tests...

Do the parameters mentioned in System Performance Specifications paragraphs 3.1.3.8 and 3.1.3.9 apply?

Answer 71:

Yes

Question 72:

4.1.9 and 4.1.10: Please clarify what is meant by reference accuracy.

Answer 72:

Addressed in Appendix 6 to Annex K V2

Question 73:

4.1.10: Please clarify the accuracy requirement. We don't see a matching requirement in the SPS document. Should there be one?

Answer 73:

Addressed in Appendix 6 to Annex K V2

Question 74:

4.1.10: Is this meant to show the short range performance?

Answer 74:

Yes

Question 75:

4.1.10: Is the weapon shooting inbound to the radar?

Answer 75:

Addressed in Appendix 6 to Annex K V2

Question 76:

4.1.16 Desirable Requirement 11:

What is meant by the statement "preselected mode"? Is this related to para 2.2.1 where the bidder may change the operating mode from 360 degrees to 90 degrees?

Answer 76:

Yes

Question 77:

4.1.16 Desirable Requirement 11:

Shall the same mode be used for both hostile and friendly fire?

Answer 77:

Contractor design decision

Solicitation No. - N° de l'invitation

W8476-133817/E

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

W8476-133817

Amd. No. - N° de la modif.

007

File No. - N° du dossier

023qdW8476-133817

Buyer ID - Id de l'acheteur

023qd

CCC No./N° CCC - FMS No/ N° VME

Question 78:

Annex C-ACQ CDRL 1278-HWT-007, Acceptance Test Plan, states that the first submission of the plan is with the proposal but nowhere else is it requested in the RFP documents. It is unusual to submit such a document with a proposal also taking into account that this document will be a subset of the First Article Test Procedures (1278-SES-002) which is to be submitted 6 MACA.

Could you please confirm that the Acceptance Test Plan does not need to be submitted with the Proposal?

Answer 78:

The Acceptance Test Plan at Annex C-ACQ-CDRL 1278-HWT-007 is required at 6 MACA

Question 79:

Part 4 of the RFP –Evaluation Procedures and Basis of Selection para 1.3 states that “The format of the LFE Plan is at the Bidder’s discretion” while appendix 6 of Annex K V2, LFE Plan Overview paragraph states that the “Bidder shall prepare and submit with the bid the LFE Plan as per the requirements of DID 1278-HWT-007: Acceptance Test Plan”.

Please confirm which format is to be used for the LFE.

Answer 79:

The LFE Plan is in contractor format following the template of DID 1278-HWT-007 as a guide.

ALL OTHER ANNEXES, TERMS AND CONDITIONS FROM THE ORIGINAL POSTING REMAIN UNCHANGED.