



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC  
11 Laurier St. / 11, rue Laurier  
Place du Portage, Phase III  
Core 0B2 / Noyau 0B2  
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

|  |   |
|--|---|
| <b>Title - Sujet</b> TIC3 Air - Ground/Air/Ground (G/A/G)<br>TIC3 Air - Ground/Air/Ground (G/A/G) System Upgrade   |   |
| <b>Solicitation No. - N° de l'invitation</b><br>W8475-235517/A   | <b>Amendment No. - N° modif.</b><br>004     |
| <b>Client Reference No. - N° de référence du client</b><br>W8475-235517  | <b>Date</b><br>2023-08-24                   |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-\$\$QD-028-29137   |   |
| <b>File No. - N° de dossier</b><br>028qd.W8475-235517  | <b>CCC No./N° CCC - FMS No./N° VME</b>      |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT<br><b>on - le 2023-09-26</b> Heure Avancée de l'Est HAE |   |
| <b>F.O.B. - F.A.B.</b>   |   |
| <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>                                 |   |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Garate, Oscar   | <b>Buyer Id - Id de l'acheteur</b><br>028qd |
| <b>Telephone No. - N° de téléphone</b><br>(873) 355-3354 ( )   | <b>FAX No. - N° de FAX</b><br>( ) -         |
| <b>Destination - of Goods, Services, and Construction:</b><br><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><br><b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>   |  |
| <b>Telephone No. - N° de téléphone</b><br><b>Facsimile No. - N° de télécopieur</b>   |  |
| <b>Name and title of person authorized to sign on behalf of Vendor/Firm</b><br><b>(type or print)</b><br><b>Nom et titre de la personne autorisée à signer au nom du fournisseur/<br/>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b> |  |
| <b>Signature</b>   | <b>Date</b>                                  |



## REQUEST FOR PROPOSAL

**W8475-235517**

**Air Traffic Management (ATM) Ground/Air/Ground (G/A/G) radios**

### AMENDMENT # 4

**This Administrative Amendment # 4 is raised to modify the following:**

- I. For the purposes of this RFP the acronym ITB stands for Industrial and Technological Benefits
- II. For the purposes of this RFP the “Phased Bid Compliance Process” as described in Part 4.1 is applicable to ITB Bids.
- III. RFP – Main document
  - a. Part 3 – 3.1, “Canada requests that the Bidder submits its bid in separately bound section as follows:”
    - i. Insert – “Section V: ITB Bid”
  - b. Part 3 – 3.1, “Canada requests that the Bidder submits its bid in separately bound sections as follows:”
    - i. Insert – “Section V: ITB 01 soft copy and e-copy on a USB key”
  - c. Part 3 – 3.1  
 Insert at end of the paragraph –  
**“Section V: ITB Bid**  
 In their ITB bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work. The bidder must complete applicable appendices as per Annex E.”
  - d. Part 4 – 4.3
    - i. Change paragraph number “4.3” to paragraph number “4.2.3”.
  - e. Section 6.6.1
    - i. Delete – Annex C Basis of Payment
    - ii. Insert – Annex B Basis of Payment
- IV. **Appendix A1 – Requirements Specifications**
  - a. Paragraph 2.2.1.1

|               |  |
|---------------|--|
| <b>Delete</b> | The AD Radio Transceiver must satisfy the technical specifications listed in Table A1-1. |
| <b>Insert</b> | The AD Radio Transceiver must satisfy the technical specifications listed in Table A1-2. |



b. Section 2.2.5

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-7: AD Radio Transceiver Reliability and Availability |
| <b>Insert</b> | Table A1-6: AD Radio Transceiver Reliability and Availability |

c. Section 2.2.6

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-8: AD Radio Transceiver Power Supply Specifications |
| <b>Insert</b> | Table A1-7: AD Radio Transceiver Power Supply Specifications |

d. Section 2.2.7

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-9: AD Radio Transceiver Mechanical Specifications |
| <b>Insert</b> | Table A1-8: AD Radio Transceiver Mechanical Specifications |

e. Section 2.2.8

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-10: AD Radio Transceiver Waveforms |
| <b>Insert</b> | Table A1-9: AD Radio Transceiver Waveforms  |

f. Section 2.2.9

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-11: AD Radio Ethernet Connections |
| <b>Insert</b> | Table A1-10: AD Radio Ethernet Connections |

g. Section 2.2.10

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-12: AD Radio Environmental Technical Specifications |
| <b>Insert</b> | Table A1-11: AD Radio Environmental Technical Specifications |

h. Section 2.3.1

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-13: AD Radio Antenna Specifications |
| <b>Insert</b> | Table A1-12: AD Radio Antenna Specifications |

i. Section 2.3.2

|               |   |
|---------------|---|
| <b>Delete</b> | The AD Radio Combiner and Filter must satisfy the technical specifications listed in Table A1-13.                               |
| <b>Insert</b> | The AD Radio Combiner and Filter must satisfy the technical specifications listed in Table A1-13, Table A1-14, and Table A1-15. |

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-14: AD Radio Combiner and Filter Technical Specifications |
| <b>Insert</b> | Table A1-13: AD Radio Combiner and Filter Technical Specifications |

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-15: AD Combiner Technical Specifications |
| <b>Insert</b> | Table A1-14: AD Combiner Technical Specifications |

|               |                                       |
|---------------|---------------------------------------|
| <b>Delete</b> | Table A1-16: AD Filter Specifications |
| <b>Insert</b> | Table A1-15: AD Filter Specifications |

j. Section 3.1.



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|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-17: ATM Radio System Upgrade General Specifications |
| <b>Insert</b> | Table A1-16: ATM Radio System Upgrade General Specifications |

k. Section 3.2.1

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-18: ATM Radio Transceiver Technical Overview |
| <b>Insert</b> | Table A1-17: ATM Radio Transceiver Technical Overview |

l. Section 3.2.2

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-19: ATM Radio Frequency Range Specifications |
| <b>Insert</b> | Table A1-18: ATM Radio Frequency Range Specifications |

m. Section 3.2.3

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-20: ATM Radio Transceiver Transmitter Specifications |
| <b>Insert</b> | Table A1-19: ATM Radio Transceiver Transmitter Specifications |

n. Section 3.2.4

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-21: ATM Radio Transceiver Receiver Specifications |
| <b>Insert</b> | Table A1-20: ATM Radio Transceiver Receiver Specifications |

o. Section 3.2.5

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-22: ATM Radio Transceiver Reliability and Availability |
| <b>Insert</b> | Table A1-21: ATM Radio Transceiver Reliability and Availability |

p. Section 3.2.6

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-23: ATM Radio Transceiver Power Supply Specifications |
| <b>Insert</b> | Table A1-22 ATM Radio Transceiver Power Supply Specifications  |

q. Section 3.2.7

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-24: ATM Radio Transceiver Mechanical Specifications |
| <b>Insert</b> | Table A1-23: ATM Radio Transceiver Mechanical Specifications |

r. Section 3.2.8

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-25: ATM Radio Transceiver Waveforms |
| <b>Insert</b> | Table A1-24: ATM Radio Transceiver Waveforms |

s. Section 3.2.9

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-26: ATM Radio Ethernet Connections |
| <b>Insert</b> | Table A1-25: ATM Radio Ethernet Connections |

t. Section 3.2.10



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|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-27: ATM Radio Environmental Technical Specifications |
| <b>Insert</b> | Table A1-26: ATM Radio Environmental Technical Specifications |

u. Section 3.3.1.1

|               |   |
|---------------|---|
| <b>Delete</b> | The ATM Radio Antenna must satisfy the technical specifications listed in Table A1-27Table A1-11. |
| <b>Insert</b> | The ATM Radio Antenna must satisfy the technical specifications listed in Table A1-27.            |

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-28: ATM Antenna Technical Specifications |
| <b>Insert</b> | Table A1-27: ATM Antenna Technical Specifications |

v. Section 3.3.2

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-29: ATM Radio Combiner and Filter Technical Specifications |
| <b>Insert</b> | Table A1-28: ATM Radio Combiner and Filter Technical Specifications |

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-30: ATM Combiner Technical Specifications |
| <b>Insert</b> | Table A1-29: ATM Combiner Technical Specifications |

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-31: ATM Filter Specifications |
| <b>Insert</b> | Table A1-30: ATM Filter Specifications |

w. Section 3.4

|               |                                      |
|---------------|--------------------------------------|
| <b>Delete</b> | Table A1-32: ATM Pre-Configured Rack |
| <b>Insert</b> | Table A1-31: ATM Pre-Configured Rack |

x. Section 4.1

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-33: G/A/G CMM Radio General Specifications |
| <b>Insert</b> | Table A1-32: G/A/G CMM Radio General Specifications |

y. Section 4.2

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-34: G/A/G CMM Technical Specifications |
| <b>Insert</b> | Table A1-33: G/A/G CMM Technical Specifications |

z. Section 5.1.1

|               |   |
|---------------|---|
| <b>Delete</b> | The G/A/G CMM system must satisfy the general UPS specifications listed in Table A1-35. |
| <b>Insert</b> | The G/A/G CMM system must satisfy the general UPS specifications listed in Table A1-34. |

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-35: G/A/G UPS General Specifications |
| <b>Insert</b> | Table A1-34: G/A/G UPS General Specifications |

aa. Section 5.1.2.1



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|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-36: G/A/G UPS Technical Specifications |
| <b>Insert</b> | Table A1-35: G/A/G UPS Technical Specifications |

bb. Section 5.2.1

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-37: G/A/G Test Set General Specifications |
| <b>Insert</b> | Table A1-36: G/A/G Test Set General Specifications |

cc. Section 5.2.2

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-38: G/A/G Test Set Technical Specifications |
| <b>Insert</b> | Table A1-37: G/A/G Test Set Technical Specifications |

dd. Section 5.3.1

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-39: G/A/G Handset General Specifications |
| <b>Insert</b> | Table A1-38: G/A/G Handset General Specifications |

ee. Section 5.3.2

|               |   |
|---------------|---|
| <b>Delete</b> | Table A1-40: G/A/G Handset Technical Specifications |
| <b>Insert</b> | Table A1-39: G/A/G Handset Technical Specifications |

ff. Section 5.4.1

|               |  |
|---------------|--|
| <b>Delete</b> | Table A1-41: G/A/G Specialized Requirements General Specifications |
| <b>Insert</b> | Table A1-40: G/A/G Specialized Requirements General Specifications |

gg. ADTS.32 Part 1.a

|               |   |
|---------------|---|
| <b>Delete</b> | across a frequency range of 300 Hz to 3 kHz, variation in frequency response: within +1 dB and -3 dB; |
| <b>Insert</b> | across a frequency range of 300 Hz to 3 kHz, variation in frequency response: within -2 dB and +2 dB; |

hh. ADTS.14 Part 1

|               |  |
|---------------|--|
| <b>Delete</b> | Warm-up time (duration from OFF to fully operational status) is 45 seconds, or less; and |
| <b>Insert</b> | Warm-up time (duration from OFF to fully operational status) is 90 seconds, or less; and |

ii. ADTS.17 Part 3

|               |                              |
|---------------|------------------------------|
| <b>Delete</b> | Increments: 1.0 W.           |
| <b>Insert</b> | Increments: 1.0 W or 0.1 dBW |

jj. ADTS.18

|               |  |
|---------------|--|
| <b>Delete</b> | +/-1.0 dB, modulating between 30% and 90% +/-5%.   |
| <b>Insert</b> | +1.0/-2.0 dB, modulating between 30% and 90% +/-5% |



kk. ADTS.53

|               |  |
|---------------|--|
| <b>Delete</b> | The squelch threshold must not shift by more than +/-1 dB relative to the nominal reference threshold, over the operating temperature stated in Table A1-6.  |
| <b>Insert</b> | The squelch threshold must not shift by more than +/-1 dB relative to the nominal reference threshold, over the operating temperature stated in Table A1-11. |

**V. Appendix A2 CDRL**

a. ACQ-ILS-001, As of Date

|               |  |
|---------------|--|
| <b>Delete</b> | At KOM, 2 months prior to FAT              |
| <b>Insert</b> | NLT 1 month before the course is conducted |

b. ACQ-SE-001, As of Date

|               |                         |
|---------------|-------------------------|
| <b>Delete</b> | ATBID                   |
| <b>Insert</b> | To be negotiated at KOM |

**VI. Appendix A3 DID**

a. ACQ-SE-007, Section 3.4

|               |   |
|---------------|---|
| <b>Delete</b> | This report can be combined with DID-ACQ-SE-001 |
| <b>Insert</b> | Nil   |

b. ACQ-PM-002 : Requirements Traceability Matrix (RTM) report, Section 7, Application/Interrelationship

|               |                            |
|---------------|----------------------------|
| <b>Delete</b> | Annex A, sub-section 2.2.3 |
| <b>Insert</b> | Annex A, sub-section 2.4.3 |

a) ACQ-PM-003 : Project Close-Out (PCO) Report Section 7, Application/Interrelationship

|               |                            |
|---------------|----------------------------|
| <b>Delete</b> | Annex A, sub-section 2.2.3 |
| <b>Insert</b> | Annex A, sub-section 2.4.3 |

b) ACQ-SE-008, Section 10.2.1

|               |   |
|---------------|---|
| <b>Delete</b> | The DND 552 form must be completed and submitted to the DND PA at the KOM according to the instructions to complete.  |
| <b>Insert</b> | The DND 552 form must be completed and submitted to the DND PA as early as possible after Contract Award according to the instructions to complete. The submission date will be confirmed at the KOM. |

c) ACQ-SE-008, Section 10.2.2

|               |   |
|---------------|---|
| <b>Delete</b> | For each RF equipment (Transmitting and Receiving) in the proposal, the Supplier must properly complete DND 552 Forms "Application for Spectrum Supportability", and submit them as deliverable items; initially at Bid to Canada and, subsequently, reviewed and resubmitted AS REQUIRED for Approval. |
|---------------|---|



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|               |   |
|---------------|---|
| <b>Insert</b> | For each RF equipment (Transmitting and Receiving) in the proposal, the Supplier must properly complete DND 552 Forms “Application for Spectrum Supportability” and submit them as deliverable items. DND 552 forms will be reviewed and re-submitted AS REQUIRED for Approval. |
|---------------|---|

d) ACQ-SE-009, Section 10.2.1

|               |   |
|---------------|---|
| <b>Delete</b> | The DND 552 form must be completed and submitted to the DND PA at the KOM according to the instructions to complete.  |
| <b>Insert</b> | The DND 552 form must be completed and submitted to the DND PA as early as possible after Contract Award according to the instructions to complete. The submission date will be confirmed at the KOM. |

e) ACQ-SE-009, Section 10.2.2

|               |   |
|---------------|---|
| <b>Delete</b> | For each RF equipment (Transmitting and Receiving) in the proposal, the Supplier must properly complete DND 552 Forms “Application for Spectrum Supportability”, and submit them as deliverable items; initially at Bid to Canada and, subsequently, reviewed and resubmitted AS REQUIRED for Approval. |
| <b>Insert</b> | For each RF equipment (Transmitting and Receiving) in the proposal, the Supplier must properly complete DND 552 Forms “Application for Spectrum Supportability” and submit them as deliverable items. DND 552 forms will be reviewed and re-submitted AS REQUIRED for Approval.                         |

**All other Terms and Conditions remain unchanged.**

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