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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 Radio Modernization RCMP V Div	
Solicitation No. - N° de l'invitation M7594-196210/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client M7594-196210	Date 2019-07-23
GETS Reference No. - N° de référence de SEAG PW-\$\$QD-042-27378	
File No. - N° de dossier 042qd.M7594-196210	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-08-06	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Michalski, Adam	Buyer Id - Id de l'acheteur 042qd
Telephone No. - N° de téléphone (819) 420-0730 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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

The purpose of this amendment is to:

1. Modify Annex A.
2. Modify Annex F.
3. Provide answers to bidders' questions.

1. Annex A – Statement of Work and Annex F - Bid Compliance Matrix – paragraph 7.6.23:

Delete: c, k and m

2. Annex A – Statement of Work and Annex F – Bid Compliance Matrix **delete:**

8.1.3 - The Contractor must be ISO 9001:2008 certified throughout the contract period.

3. Annex F – **delete:**

8.1.7 - NIST FIPS 140-2 LEVEL 2: All encryption devices and equipment must meet at minimum the requirements of physical security specified in FIPS 140-2, Level 2.

Annex F – **replace with:**

8.1.7 - NIST FIPS 140-2 **LEVEL 1:** All encryption devices and equipment must meet at minimum the requirements of physical security specified in FIPS 140-2, **Level 1**.

4. Reference Paragraph 7.1.8 in Annex F – Bid Compliance Matrix:

Delete:

The proposed system must allow appropriately configured subscriber equipment to seamlessly roam without user intervention between radio sites.

Insert:

For Trunking operation, the proposed system must allow appropriately configured subscriber equipment to seamlessly roam without user intervention between radio sites.

All other terms and conditions of the RFP remain the same.

Bidders' Questions Received as of July 12, 2019

Q1. In Appendix A3, the table does not include a CLIN for the Eventide NexLog logging recorder interface. Would the RCMP like a separate CLIN for the Logging Interface?

A1. **Appendix A3 - No a separate CLIN is not required. All costs and work effort required to meet the logging recorder interface requirements should be captured within CLIN 1: Radio System Core.**

- Q2. Item 7.2.4 in Annex A states "All proposed equipment destined for the radio sites must operate from a 24 VDC or 12 VDC power source. All radio network equipment can be powered by a 120 VAC 300 watt inverter." Can the RCMP please confirm if this is true for the Trunking radio sites or does it only apply to the Conventional sites? Is the 120 VAC 300 watt inverter provided by the RCMP?
- A2. RCMP confirm item 7.2.4 in Annex A applied to both Trunking and Conventional radio sites. The 120 VAC 300 watt inverter will be provided by the RCMP. If greater capacity is required, the RCMP will be responsible to increase the number or size of the inverters.

Bidders' Questions Received as of July 22, 2019

- Q3. Similar to the KMF, dispatch consoles are also installed in secure locations and use role based, password protected operating systems. Please either confirm the measures described above for the Dispatch Consoles implementation are acceptable to RCMP for compliance to this requirement or else remove this requirement from the specifications.
- A3. Similar to the KMF, dispatch consoles are also installed in secure locations and use role based, password protected operating systems. Please either confirm the measures described above for the Dispatch Consoles implementation are acceptable to RCMP for compliance to this requirement or else remove this requirement from the specifications.
- Q4. A detailed description of the communications architecture for (j) External Analog Radio networks, (o) Authentication Facility, and (p) Data Hosts is requested however the specifications do not include any requirements for these interfaces or devices. Please confirm this system is not required to connect to any External Analog Radio networks, is not required to include an Authentication Facility and is not required to include Data Hosts.
- A4. (j) External Analog Radio networks: The bidder must provide a description on any method that the proposed radio system solution can be connected to an external analog radio network. The level of details required will be limited to what the vendor can reasonably provide.
- (o) Authentication Facility: The bidder must provide a description on any method that the proposed radio system solution can be connected to an Authentication Facility. The level of details required will be limited to what the vendor can reasonably provide. Authentication Facility refers to Active Directory or similar service.
- (p) Data Hosts: The bidder must provide a description on any method that the proposed radio system solution can be connected to an external Data Host. The level of details required will be limited to what the vendor can reasonably provide.
- Q5. Per the requirements in the RFP (M7594-196210) namely 7.1.4, and 7.8 in Annex A - Statement of Work, the RCMP has requested the "Contractor must develop a working interface between the RCMP's CIIDS and the proposed radio system for the purpose of relaying unit ID, GPS location and other available metadata transmitted from the user devices and the radio system core." As the contractor, we are able to supply the RCMP with support around our existing published

Application Programming Interface (API) which is able to relay unit ID and GPS location. This support would include solving connectivity and communication issues between the Contractor's API and the RCMP's CIIDS. Can the RCMP please confirm there no additional expectations for the contractor to modify its API to work with the CIIDS API? If there is an expectation for changes to the contractor's API, can the RCMP please provide the CIIDS API and required calls and metadata that need to be supported?

A5. RCMP can confirm there is no expectation that the contractor will be required to modify their API in order to match with the RCMP CIIDS API. RCMP will modify the CIIDS API as required to accept the incoming contractor's API.

Q6. Per the requirements in the RFP (M7594-196210), item 6.4.3 requests a Transportable radio site. Can the RCMP please provide further details on the configuration requirements for this transportable site? For example,

a) Please confirm that the antenna system (mast, antenna(s) and cabling) would be provided by the RCMP?

b) Will the transportable site be mounted indoors (within a building), or outdoors?

c) Is there a recommended maximum height for the transportable site cabinet(s)?

d) It is understood that the RCMP will provide the power source (generator/batteries). Can it be assumed that the generator will provide AC Power to the equipment?

A6.

a. Antenna system would be provided by the RCMP.

b. Indoors

c. 36" rack and/or same size Pelican (or equivalent) case(s).

d. Yes it can be assumed that an RCMP provided generator would provide AC power to the equipment.

Q7. A fully functional and compliant KMF does not require that it support all the key management procedures listed in Section 7.6.23. Many procedures listed in TIA 102.AACA are optional. Would the RCMP please change statement "The KMF must support the following TIA 102.AACA key management procedures" to "Bidder shall indicate which of the following TIA 102.AACA key management procedures are supported in the proposed KMF."

A7. The RCMP have recently removed 7.6.23 c, k and m from the RFP (Annex A). It is believed this has removed all of the key management procedures which may not yet be supported by industry.

Q8. Radio Unit Monitor (RUM) provides the ability to remotely open subscriber unit's microphone and monitor local audio. As specified in the TIA P25 Standards, RUM can be initiated from a radio. RUM is not a secure function and can easily be spoofed by a malicious 3rd party allowing the 3rd party to monitor all audio and conversations within the vicinity of the radio user in clear voice mode at any time without the radio user's knowledge. The "Hot Mic" function provided by all P25 radio manufacturers provides the dispatcher with audio and conversations within the vicinity of the radio but only after the user presses emergency. In addition, hot mic audio is encrypted. Because of the security and privacy issues inherent with RUM and the fact a similar function is provided using Hot Mic without the same security and privacy issues, some vendors have elected

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002
File No. - N° du dossier
042qd.M7594-196210

Buyer ID - Id de l'acheteur
042qd
CCC No./N° CCC - FMS No./N° VME

to not implement the RUM feature in their P25 systems. In lieu of using Hot Mic to provide the required functionality of, please remove the requirement for RUM from the specifications.

- A8. RCMP understand the risk of having the ability contained within Appendix A2 28.2. This is an operational and mandatory requirement for officer safety. Hot Mic is not sufficient as it requires the officer to manually initiate the hot mic by pressing the emergency button.

All other terms and conditions of the RFP remain the same.
