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Bid Receiving - PWGSC / Réception des soumissions -
TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0A1 / Noyau 0A1

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

Revision to a Request for a Standing Offer

Révision à une demande d'offre à commandes

National Master Standing Offer (NMSO)

Offre à commandes principale et nationale (OCPN)

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Offer remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'offre 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 4.9 GHZ 5.9 GHZ RADIO POINT TO POIN		
Solicitation No. - N° de l'invitation M7594-131471/B		Date 2013-07-15
Client Reference No. - N° de référence du client M7594-131471		Amendment No. - N° modif. 004
File No. - N° de dossier 008qd.M7594-131471	CCC No./N° CCC - FMS No./N° VME	
GETS Reference No. - N° de référence de SEAG PW-\$\$QD-008-23820		
Date of Original Request for Standing Offer		2013-06-12
Date de la demande de l'offre à commandes originale		
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-08-06		Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
Address Enquiries to: - Adresser toutes questions à: Van Dusen, Eric		Buyer Id - Id de l'acheteur 008qd
Telephone No. - N° de téléphone (819) 956-5816 ()	FAX No. - N° de FAX (819) 956-0636	
Delivery Required - Livraison exigée		
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:		
Security - Sécurité This revision does not change the security requirements of the Offer. Cette révision ne change pas les besoins en matière de sécurité de la présente offre.		

Instructions: See Herein

Instructions: Voir aux présentes

Acknowledgement copy required	Yes - Oui	No - Non
Accusé de réception requis	<input type="checkbox"/>	<input type="checkbox"/>
The Offeror hereby acknowledges this revision to its Offer. Le proposant constate, par la présente, cette révision à son offre.		
Signature	Date	
Name and title of person authorized to sign on behalf of offeror. (type or print) Nom et titre de la personne autorisée à signer au nom du proposant. (taper ou écrire en caractères d'imprimerie)		
For the Minister - Pour le Ministre		

This amendment 004 is raised to address questions that have been raised by bidders.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

Question-1

Please provide a clarification on the phrase, "must provide the functionality" since it will have an effect on some of the quoted prices. For instance, in Annex A, Section 10.14.1, functionality is required to be able to provide a T1 interface. In our product, the T1 interface is provided by connecting an external assembly to the Ethernet port on the wireless radio. The external assembly converts the Ethernet port to a T1 port. Thus a port is then available to accommodate a standard T1 interface as defined in the spec. In this case, the external assembly is only required when a T1 interface is desired and would add unnecessary cost to the radio if only an Ethernet interface will be used

Shall we quote the radio as having an optional capability to provide a T1 interface and then quote the optional external assembly separately?

Answer-1 Must provide the T1 functionality as originally specified.

Question-2

Section 7.3 states the following: " Each PTP radio must be available to be supplied with two (2) lightning protection modules (LPM)."

Could you clarify the statement as the "must be available to be supplied" segment could lead to an interpretation of being an optional features and not included in the radio system as presented in the basis of payment section. Are the 2 external LPM to be included in the radio system or are they to be an options to the Basis of payment price?

Answer-2 Two modules must be provided for each radio. Delete the following three words: "available to be" between "must be" and "supplied with".

Question 3

Annex A - Should 2.2 and 2.3 be read as 2.1.1 and 2.1.2?

Answer 3 Yes. 2.2 should be 2.1.1. 2.3 should be 2.1.2.

Question 4

What is the difference between {2.4, 2.5} and 3.1? Would conformance of Section 2 conform 3.1?

Answer 4 Please indicate compliancy to all three statements.

Question 5

What is the difference between 7.2.3 and 7.5?

Answer 5 Delete statement 7.5

Question 6

9.3.1 refers to Section 8 for environment requirements and Section 8 is software requirement. Please clarify.

Answer 6 Please refer to section 7 instead of section 8.

Question 7

10.8.1 - Round trip latency between radios is less than 10 ms. How is the latency due to the processing limitations of personal computer from which radio is pinged accounted?

Answer 7 - The system must provide 10 ms of latency as per the manufacturers data sheet. Computers will add some latency which is not accounted for.

Question 8

Will the T1 interface be from an external unit to the radio? Will it be Ethernet connectivity?

Answer 8 - The T1 interface can be an internal or an external unit. Connectivity between external units are to be determined by the manufacturer.

Question 9

10.19 - GPS to provide global positioning information is understood. However why is GPS needed for frame synchronization when it can be achieved through alternative better means? Can offeror suggest better, superior synchronization mechanisms to achieve higher throughput instead of GPS?

Answer 9 No. Please provide the functionality as stated.

Question 10

Annex B, C, D and E are needed only when an order is placed after the selection of the vendor. Is that right?

Answer 10 B,D and E are completed at time of call up.

C must be completed.

Question 11

The submission process immediately requires only Annex A and Annex F - Is that right?

Answer 11 Yes. Annex A and F must be completed.

Question 12

The requirement is for an antenna with the following characteristic :

Parabolic ,
dual polarized,
support for 4.9GHz-5.8GHz
gain of at least 32dB
4ft in diameter

While these exist, we would like to offer a solution that would have all the characteristic but in a smaller form factor, hence requiring a lesser installation to support the same wind loading and obviously a lesser cost to the crown . The solution would be a parabolic antenna, dual polarized, for the 4.9-5.8GHz band, with at least 32dbI of gain but in a smaller size than 4ft. Considering

the saving it could represent to the crown, we would seek your approval to accept it as compliant in lieu of the 4ft dimension as specified in the RFSO

Answer 12 - The physical dimensions are maximums.

4ft in diameter is changed to: 4 ft in diameter or less.

Question 13

Item 10.4 The bidder must include dual polarized,4.9-5.8GHz range, 4 foot external dish with a gain of at least 32db

Question: Please specify, if the size of the antenna is smaller but have the same gain of 32db, does this can be acceptable ???

Answer 13 - See answer 12.

Question 14

Annex A-SOR Section 4.1 refers to the security upgrade to FIPS 197 with AES 256 encryption. Considering that RCMP is the country's national police organization, the security of data integrity is paramount to police operations and that any claims of security support is extremely hard to verify for networking products. Security certification almost always has different levels of compliancy. Would it be in the interest of the Government, in order to properly evaluate the various implementations of the standard, to require bidders to demonstrate the various levels of certifications through standard NIST Documentation? For example, referring to an approved list that can be found in the Advanced Encryption Standard (AES) Algorithm Validation List, (<http://csrc.nist.gov/groups/STM/cavp/documents/aes/aesval.html>).

Answer 14 - We do not require NIST documentation.

Question 15

Annex A-SOR Section 4.1 refers to the security upgrade to FIPS 197 with AES 256 encryption. Considering the overall security requirement of the RFSO, would it also be to the advantage of the government to require FIPS 140-2 level certification or to demonstrate the commitment to achieve certification for products included in the RFSO responses? FIPS 140-2 is recognized as a de facto requirement for a large number of security agencies and government organizations both in Canada and abroad and providing this level of security would be in line with the requirement of the products to be used by the RCMP. FIPS 140-2 certification is a process that takes well over a year to complete and every stage is monitored on the publicly available NIST list.

a. Certified implementation:

<http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140val-all.htm>

b. In process of certification:

<http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140InProcess.pdf>

Answer 15 We do not require NIST documentation

Question 16

Annex A-SOR Section 4.3 requires the PTP radios to support the ability to export the GPS coordinates to a mapping tool. The support would require a GPS receiver and antenna to be installed at each location where a radio is deployed in the network. This will be the only method available for the remote radios to obtain the required GPS coordinate information and for these details to then be made available for polling by a remote management

Answer 16 Agree with statement.

Question 17

Annex A-SOR Section 10.14 requires Ethernet data rates up to 100 Mbps. For IP based networks, Ethernet data rates can fluctuate with packet size. So a network device that supports 100Mbps, may be able to transmit at wire-speed for large packet sizes (e.g. 1536 bytes), but could have challenges with smaller packet sizes. For example, voice and video metadata may require very small packet sizes. If a radio is capable of handling 12,000 packets per second, this will allow the device to deliver 100Mbps when using 1024 Byte packets while only delivering 6.15 Mbps with 64 byte packets. Given the above, would the government consider adding the requirement to specify the packet processing capability (usually referenced as packets per seconds or pps value) for the proposed products that would be submitted in response to this RFSO?

Answer 17 No.

Question 18

Annex A-SOR Section 10.16: For most radio systems, the Transmit (Tx) Power will vary based on the different modulation rates that are supported for the platform. This modulation rate will be determined based on the quality (or Signal-to-Noise value) for the radio transmission. Considering the requirement for low latency of this RFSO and the mandatory performance of 100Mbps, both of which are tied to the highest level modulation rate for any given radio, would the government consider modifying the requirement to require the inclusion of the transmit power at the highest level modulation for the proposed radio systems? This would be in line with the latency and performance requirements, and provide the government with a far more relevant comparison of performance between the

solutions.

Answer 18 No.

Question 19

Annex A-SOR Section 7.3; Please clarify what is meant by the term "must be available to be supplied".

Does the crown wants this to be available as an option or supplied as part of the Basis of Payment ?

Answer 19 See answer #2 as this has already been dealt with.

Question 20

Annex A-SOR Section 10.14.1; Does the crown require the T1 interface specified in requirement 10.11.1 to be available on all links supplied, or should it be included as an optional module?

Answer 20 - T1 interface must be included in the bid. The item will be called up as required.

Question 21

CAT5E cable: The requirement # 9.3.3 asks for compliancy to CSA C22.2 No. 214-08, UL444, UL1581, UL1666, ANS/TIA/EIA-568-C.2 standards. Some of these standards related to a plenum cable while other one relates to outdoor cable. there is no cable on the market that meet all these standards, therefore, is the requirements is for (2) type of cables - Plenum + Outdoor and both type should be proposed?

Answer 21 Change requirement 9.3.3 to: Compliancy to ANSI/TIA/EIA-568-b.2 (transmission integrity), Ingress protection 66 (IP 66).

The RCMP will be responsible to supply plenum rated cables from an independent source.

Question 22

2) RF Cable between the radio and the antenna: Is there any requirements for this cable? If yes, could the length be specified?

Answer 22 No RF cable required

Paragraph	Description	QUESTION
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5.1.1.4 Range Is the range required the actual distance between two radios or the potential maximum range for the modulation scheme chosen for the required data rates?Range and data rates are independent of each other. See answer #18 (no).

10.14.1 Support T1 rates..... Can we assume that the T1 to Ethernet interface will be supplied by the RCMP?T1 interface must be supplied by the vendor.

Paragraph Description QUESTION

5.1.1.4 Range Is the range required the actual distance between two radios or the potential maximum range for the modulation scheme chosen for the required data rates?Range and data rates are independent of each other. See answer #18 (no).

10.4 4 ft Antenna Would an Antenna of 3ft Diameter with a gain of 32 dBi be acceptable?See answer # 12.

10.14.1 Support T1 rates..... Can we assume that the T1 to Ethernet interface will be supplied by the RCMP?T1 interface must be supplied by the vendor.