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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 Microwave Backhaul (Radio) Point to		
Solicitation No. - N° de l'invitation M7594-131471/A		Date 2012-12-12
Client Reference No. - N° de référence du client M7594-131471		Amendment No. - N° modif. 003
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-008-23356		
Date of Original Request for Standing Offer Date de la demande de l'offre à commandes originale		2012-11-21
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-12-18		Time Zone Fuseau horaire Eastern Standard Time EST
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 Accusé de réception requis	Yes - Oui <input type="checkbox"/>	No - Non <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		

Solicitation No. - N° de l'invitation

M7594-131471/A

Amd. No. - N° de la modif.

003

Buyer ID - Id de l'acheteur

008qd

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

M7594-131471

File No. - N° du dossier

008qdM7594-131471

CCC No./N° CCC - FMS No/ N° VME

This amendment 003 is raised to change the solicitation closing date to 18 December 2012, 1400h EST, and to address questions that have been raised by bidders.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

Annex A - Statement of Requirement

Numbered item	Item of the RFSO	Question/Comment	Response from Standing Offer Authority
10.2.2.1	A 2 foot external dish with a gain of at least 28 db	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.2	A 4 foot external dish with a gain of at least 32 db”?”	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.3	A 6 foot external dish with a gain of at least 36 db	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.4	An external flat panel antenna with gain of 21 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.5	An external flat panel antenna with a gain of 23 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.6	An external flat panel antenna with a gain of 28 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.1	A 2 foot external dish with a gain of at least 28 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.2	A 4 foot external dish with a gain of at least 32 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.3	A 6 foot external dish with a gain of at least 36 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.4	An external flat panel antenna with gain of 21 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.5	An external flat panel antenna with a gain of 23 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
11.2.6	An external flat panel antenna with a gain of 28 dbi	What is the required frequency range for the antenna in requirement	Min 4900 MHz to Max 5875 MHz
10.2.2.1	A 2 foot external dish with a gain of at least 28 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
10.2.2.2	A 4 foot external dish	Would the Crown accept	No

	with a gain of at least 32 db	a SISO (Single-Input Single-Output) antenna for requirement	
10.2.2.3	A 6 foot external dish with a gain of at least 36 db	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
10.2.2.4	An external flat panel antenna with gain of 21 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
10.2.2.5	An external flat panel antenna with a gain of 23 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
10.2.2.6	An external flat panel antenna with a gain of 28 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.1	A 2 foot external dish with a gain of at least 28 db	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.2	A 4 foot external dish with a gain of at least 32 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.3	A 6 foot external dish with a gain of at least 36 db	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.4	An external flat panel antenna with gain of 21 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.5	An external flat panel antenna with a gain of 23 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
11.2.6	An external flat panel antenna with a gain of 28 dbi	Would the Crown accept a SISO (Single-Input Single-Output) antenna for requirement	No
7.4	The PTP radio must meet Canadian Standards Association	Would the crown accept Canadian Standards Association (CSA)	Yes

	(CSA) C22.2 and UL60950-1 for protection and safety	C22.2 and UL60950-1 certifications on the PoE module as this constitutes the mains powered electrical system of the PtP radio as compliance to requirement	
10.15 10.15.3	The PTP radio must provide the following functionalities: Dynamic Frequency Selection	For requirement 10.15.3, is the crown requesting that the PtP radio system is compliant with current Industry Canada requirements for DFS to be used in specific radio bands?	Radar avoidance DFS or the ability to automatically detect interference in current channel and jump automatically to a new channel is accepted.
10.11.1	The PTP radio must provide the functionality to seamlessly operate and provide connectivity with a T1 interface (1.544 Mbps, full duplex, B8ZS line coding) over a 55 km Line of Sight (LOS) link	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?	The radio's IP interface must be able to operate with, and connect to, a T1 interface module but the interface may be priced as an option.

General Question

As a point of information/clarification will a GPS-based time pulse be used for the control of the TDD timing such that co-located end point radios transmit simultaneously?

PTP radios must include the functionality to synchronize communications using GPS timing to optimize transmission in particular deployments.