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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

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

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

Data Centre Services/Services des centres de
traitement de données

5C2, Place du Portage, Phase III

11 Laurier Street

Gatineau

Québec

K1A 0S5

Title - Sujet RCMP Multimedia Network Convergence		
Solicitation No. - N° de l'invitation M9010-091080/C		Date 2012-04-04
Client Reference No. - N° de référence du client M9010-091080		Amendment No. - N° modif. 008
File No. - N° de dossier 003tss.M9010-091080	CCC No./N° CCC - FMS No./N° VME	
GETS Reference No. - N° de référence de SEAG PW-\$TSS-003-23889		
Date of Original Request for Standing Offer		2012-03-09
Date de la demande de l'offre à commandes originale		
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-04-18		Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
Address Enquiries to: - Adresser toutes questions à: Beaton(tss div), Michelle		Buyer Id - Id de l'acheteur 003tss
Telephone No. - N° de téléphone (819) 956-5847 ()	FAX No. - N° de FAX (819) 956-3703	
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 SOLICITATION AMENDMENT IS ISSUED TO:

Extend the closing date and publish Canada's Responses to Offerors' questions.

NOTE: Offerors' clarification questions are numerically sequenced upon arrival at PWGSC. A question and its answer will be provided via MERX in accordance with article 2.3 Enquiries - Bid Solicitation. Potential Bidders are hereby advised that questions and answers for this solicitation may be issued via MERX out of sequence.

NOTICE TO OFFERORS/BIDDERS:

In light that Canada is in the process of finalizing its responses to the remaining Period 1 questions, Offerors are hereby notified that Canada will extend the solicitation closing date from April 11, 2012 at 14:00 (Easter Daylight Saving Time) to April 18, 2012 at 14:00 (Easter Daylight Saving Time).

Offeror's Question 9	The current requirement limits proposals to APs with " 4x4 MIMO capable of 450Mbps at MCS23 and capable of 21 channels in the 5GHz spectrum ". To provide RCMP with more flexibility, would the Crown consider expanding the requirement to read: " 4x4 MIMO AP capable of 450Mbps at MCS23 and capable of 21 channels in the 5GHz spectrum or a minimum of 2x3 multiple-input multiple-output (MIMO) with two spatial streams "?
Canada's Response to Question 9	Canada hereby amends Annex A, Section 5.8.2) c) (3) to read as follows: (3) 4x4 MIMO AP capable of 450Mbps at MCS23 and capable of 21 channels in the 5GHz spectrum or a minimum of 2x3 multiple-input multiple-output (MIMO) with two spatial streams
Offeror's Question 10	Annex B, Appendix A, Table 2 - Access Router for medium site Configuration This specific configuration includes both the requirement for: * Wireless access interface for Wi-Fi with 802.11a/b/g/n support; and * Wireless LAN Controller module Given the fact that the requirement for an access interface is not specified in the Annex A requirements and that its sister "Access Router for small site configuration 7" only stipulates the requirement for a Wireless LAN controller module, can the crown remove the requirement for the " Wireless access interface for Wi-Fi with 802.11a/b/g/n support" in that configuration?

Canada's Response to Question 10	<p>Canada hereby amends Annex B Appendix A - Financial Offer - Table 2 - Access Router for medium site Configuration 7 c) to delete the Wireless access interface for Wi-Fi with 802.11a/b/g/n support requirement.</p> <p>Annex B Appendix A is regenerated and attached hereto as Annex B Appendix A-1.</p>
Offeror's Question 11	<p>Annex B, Appendix A, Table 2 - Access Router for small site Configuration 6</p> <p>This configuration specifies the requirement for 1040W of PoE power capacity for end-points. Given the fact that this router configuration is for small sites and requires 24 ports of IEEE 802.3AF at 15.4W each, the actual PoE requirement for end points would not exceed 370W (or 740W if deployed with a 48 port module instead). As such, can the crown modify this requirement to "Provide end-point PoE power capacity of up to 740 Watts"?</p>
Canada's Response to Question 11	<p>Canada hereby amends Annex B Appendix A - Financial Offer - Table 2 - Access Router for medium site Configuration 6 e) to read "Provide end-point PoE power capacity of up to 740 Watts".</p> <p>Annex B Appendix A is regenerated and attached hereto as Annex B Appendix A-1.</p>
Offeror's Question 25	<p>With respect to the following articles:</p> <p>4.4.1) "The Contractor must provide network components to augment the existing RCMP devices. The additional hardware and software components will be required to enhance the capacity and functionality of the existing devices.", and</p> <p>4.4.2) "The list of components, which must be made available by the supplier, is attached in Annex B Appendix A Table 1. The list of Products to be delivered under this Contract are listed in the Call-up."</p> <p>4.4.3) "The components provided for the existing environment must be the same as or equivalent to the components listed in Annex B Appendix A Table 1."</p> <p>The OEM has announced that item #93 (MCS782514-K9-UCB1) from Annex B Appendix A Table 1 will cease to be available 2 days after the close of this RFSO (last ship date is 28 March, 2012), and Cisco recommends a virtualized solution as a replacement. Will Canada</p>

	remove this requirement, or explain the rationale for identifying a major component of their architecture which is already obsolete?
Canada's Response to Question 25	<p>Canada hereby amends Annex B Appendix A - Financial Offer - Table 1 item 93 to read "Intentionally left blank" and a quantity of "0".</p> <p>Annex B Appendix A is regenerated and attached hereto as Annex B Appendix A-1.</p>
Offeror's Question 28	<p>With respect to the following articles:</p> <p>5.2.1) Access Router Environment</p> <p>a) The Access Router equipment provides key integration functionality for the RCMP's access to multiple networks from a variety of multimedia devices.</p> <p>The article provides "Figure 1 Access Router Environment", which displays five (5) routers connected to either switches or firewalls. On the other side of these switches or firewalls, are Storage Servers, Video Streaming, Video MCU, Video Matrix, Management Servers, VoIP Servers, Data Center Bridging, and IP Video Monitoring equipment.</p> <p>Since these functions are depicted as capable of existing outside of an access router (and indeed many would be in most sites), we find no technical or operational reason to fit them into an Access Router. Therefore, we request that the following functionality be removed from section 5.2.2 entirely, or placed into other sections, such that a network router is not required to facilitate these services:</p> <p>5.2.2 b (3) FXS and FXO ports for Analog phone and PBX device connectivity</p> <p>5.2.2 b (5) E&M 2 wire and four wire inter face ports for LMR connectivity</p> <p>5.2.2 b (8) Wireless access interface for Cellular networks supporting CDMA EV-DO Rev A and HSPA networks from Canadian cellular network providers</p> <p>5.2.2 c (9) LMR capability using E&M interfaces for connecting to Radio devices converting radio signals into E&M two wire and four wire signals</p> <p>5.2.2 c (10) Survivable Remote Site Telephony to restore at least calling services for local VoIP phone in case of failure of connectivity to be interoperable with existing centralized VoIP IP PBX based on Cisco Call Manager V7.0 (Cisco Proprietary)</p> <p>5.2.2 c (11) VoIP IP PBX including call management functionality at a minimum</p> <p>5.2.2 c (12) VoIP IP PBX including messaging functionality at a minimum</p>

	<p>5.2.2 c (13) Onboard Video surveillance storage and management</p> <p>5.2.2 c (14) Onboard Wireless LAN Controller module for 802.11 a/b/g/n Wireless LAN Access points</p> <p>5.2.2 c (15) Onboard voice recording capabilities</p> <p>5.2.2 c (16) FAX over IP</p> <p>5.2.2 f (9) Enhanced Interior Gateway Routing Protocol (Cisco Proprietary - superceded by OSPF)</p> <p>5.2.2 f (20) PfR (Cisco Proprietary)</p> <p>5.2.2 g (11) Group Encrypted Transport VPN</p> <p>5.2.2 i (7) Scalable DSP resources for transcoding, voice and video conferencing traffic</p> <p>5.2.2 i (8) Video Codecs: H.261; H.263; and H.264</p> <p>5.2.2 i (9) DTMF support including G.711 Inband DTMF handling as per RFC 2833</p> <p>5.2.2 i (10) ENUM E.164 number support as per RFC-2916</p> <p>5.2.2 I (11) Fax pass-through</p> <p>5.2.2 I (12) Modem pass-through</p> <p>5.2.2 I (13) T.38 fax relay (flow-through)</p> <p>5.2.2 i (14) VoIP and Video flow through where originating and destinations networks are hidden from each other</p> <p>5.2.2 i (15) H.323 v4Compliance; 5.2.2 i (16) H.245 version 12 compliance</p> <p>5.2.2 i (17) Exchange of video and T.120 data between H.323 call legs</p> <p>5.2.2 i (18) Hardware and software based echo cancellation</p> <p>5.2.2 i (19) SIP V2Compliance</p> <p>5.2.2 i (24) Authentication and authorization supported using available call information (ANI or DNIS)</p> <p>5.2.2 i (25) Interoperability with Cisco Unified Communications Manager 7.0 (Cisco Proprietary)</p> <p>5.2.2 i (26) SIP Digest Authentication</p> <p>5.2.2 i (27) Class of restriction on dial peers to control incoming and outgoing calls to certain destinations</p> <p>5.2.2 i (28) Host name validation using FQDN to validate incoming and outgoing calls</p>
Canada's Response to Question 28	These requirements, under Annex A Section 5.2.2, represent Canada's Access Router requirements. The requirement therefore remains unchanged.
Offeror's Question 30	<p>With respect to the following articles:</p> <p>5.3.2) Datacenter Bridging Technical Requirements:</p> <p>c) (13) EtherChannel technology or equivalent interoperable with existing RCMP deployments</p> <p>c) (15) Advanced PortChannel hashing based on Layer 2, 3, and 4 information</p>

	<p>c) (19) Private VLANs</p> <p>c) (20) Private VLANs over trunks</p> <p>Please remove Cisco proprietary terms, or identify industry accepted interoperable standards which would be acceptable to the RCMP.</p>
Canada's Response to Question 30	<p>The requirement under Annex A, Section 5.3.2 c) (13) allows for equivalencies and therefore remains unchanged.</p> <p>Canada hereby amends the following sections of Annex A, Section 5.3.2) c) to read as follows:</p> <p>(15) Advanced PortChannel hashing based on Layer 2, 3, and 4 information or equivalent interoperable with existing RCMP deployments</p> <p>(19) Intentionally left blank</p> <p>(20) Intentionally left blank</p>
Offeror's Question 31	<p>Referenced sections below</p> <p>5.2.2 (C10) mentions Survivable Remote Site Telephony - this is a Cisco only spec.</p> <p>5.2.2 (D13) mentions TACACS+ - Cisco only</p> <p>5.3.2 (H5) mentions EIGRP as a mandatory routing protocol - this is Cisco only</p> <p>The above specifications are proprietary Cisco technology and eliminates fair competition. We request this Cisco proprietary specifications are removed and revised to an open standard technology.</p>
Canada's Response to Question 31	<p>Canada hereby amends the following sections of Annex A, to read as follows:</p> <p>5.2.2 c) (10) Survivable Remote Site Telephony, or equivalent interoperable with existing RCMP deployments, to restore at least calling services for local VoIP phone in case of failure of connectivity to be interoperable with existing centralized VoIP IP PBX based on Cisco Call Manager V7.0</p>

	<p>5.2.2 d) (13) Support for Authentication, Authorization and Accounting with RADIUS (Supporting IETF RFC 2865) and TACACS+ (Supporting IETF RFC 1492) or equivalent interoperable with existing RCMP deployments</p> <p>5.3.2 h) (5) Enhanced Interior Gateway Routing Protocol or equivalent interoperable with existing RCMP deployments</p>
Offeror's Question 32	<p>referenced section below:</p> <p>5.8.2(C3) requires a 4x4 MIMO access point</p> <p>The above specification will limit the Crown's wireless implementation to very high-end AP's. It will severely limit the fair competition.</p> <p>Will the Crown accept an AP with 450MB/s and remove the 4x4 MIMO?</p>
Canada's Response to Question 32	See Canada's response to offeror question 9
Offeror's Question 33	<p>Referenced section below:</p> <p>5.8.2(C3) requires a 4x4 MIMO access point</p> <p>What value does the Crown see in the 4x4 MIMO, as it is still only 450 Mb/s?</p>
Canada's Response to Question 33	See Canada's response to offeror question 9
Offeror's Question 34	<p>5.2.2) g) (1) - Port-based network access control IEEE 802.1x interoperable with RADIUS for device authentications</p> <p>5.2.2) g) (2) - Port-based ACLs for flexible per ports security with ACLs handled in hardware</p> <p>5.2.2) g) (3) - MAC address notification to management systems</p> <p>5.2.2) g) (4) - MAC address filtering, MAC Learning and Locking</p> <p>5.2.2) d) (10) - RMON II as per RFC 2021</p> <p>Question: In reference to the above items, as discussed in the previous version of the RFSO, it is typical to provision a small and medium site</p>

	<p>network access router with an integrated multi-layer switching module given the relatively low number of users at those sites. For large sites, the number of LAN connections required is typically much higher and as such requires the deployment of an external multi-layer switch. Since these 5 requirements are typically delivered in LAN switches, would Canada agree to remove those requirements for the large site access routers or, as an alternative, will the Crown allow bidders to provide an external switch?</p>
Canada's Response to Question 34	<p>Canada hereby amends the following sections of Annex A, Section 5.2.2) g) to read as follows:</p> <p>(1) Intentionally left blank</p> <p>(2) Intentionally left blank</p> <p>(3) Intentionally left blank</p> <p>(4) Intentionally left blank</p> <p>(10) Intentionally left blank</p>
Offeror's Question 35	<p>Reference 5.4.4f(9i):</p> <p>In order to propose VoIP IP PBX - Music On Hold component functionality that is both consistent and backwards-compatible with the RCMP's existing IP phones and existing IP-based unified communications platform, would the Crown accept G.722 and/or Wideband?</p>
Canada's Response to Question 35	<p>Canada will accept G.722 and/or Wideband. Canada hereby amends Annex A, Section 5.4.4) f) (9) (i) to read as follows:</p> <p>(i) G.722 and/or Wideband G.722</p>
Offeror's Question 36	<p>Reference sections 1.3.10 and 5.4.6.</p> <p>Section 1.3.10 defines the Type 4 phone to be a conference room phone. Requirements 5.4.6(97-102) indicates that the Type 4 phone must support conference-specific features that are consistent with the conference room phones currently connected to the RCMP's IP-based unified communications platform. However, the column for Type 4 phones in section 5.4.6 also indicates requirements for certain desktop phone features that appear to be inconsistent with the RCMP's existing IP-based conference phones. Specifically:</p>

	<p>5.4.6(76): A hearing aid compatible handset that meets the American Disabilities Act requirements</p> <p>5.4.6(77): A port to connect an industry standard headset jack to allow listening and speaking through a headset, without requiring removal of handset and without the need for a separate amplifier</p> <p>5.4.6(75): The ability for the setup of at least 5 Speed Dial keys on the phone when the phone is configured to support only one phone line</p> <p>5.4.6(96): A phone handset, headset, and speaker phone supporting wideband VoIP requirements conforming to the G.722 codec with adherence to TIA 920</p> <p>5.4.6(33): AES-128 encryption and TLS device authentication for signaling traffic</p> <p>5.4.6(34): SRTP with AES-128 encryption for voice traffic</p> <p>5.4.6(44): An LCD screen enabling at least 6 lines of alphanumeric display</p> <p>5.4.6(38): A phone stand with multiple positions to accommodate user preferences for positioning of IP Phone on user desktops</p> <p>In order to propose a Type 4 phone that is both consistent and backwards-compatible with the RCMP's existing conference room phones, would the Crown please remove these desktop phone requirements from the Type 4 phone column in section 5.4.6?</p>
Canada's Response to Question 36	<p>Canada hereby amends Annex A section 5.4.6 a) to remove the "X" from the Type 4 Phone column for the following requirements:</p> <p>(34), (38), (44), (76), (75), (77), (96)</p>

All references to "Annex B, Appendix A - Financial Offer" are herein DELETED and REPLACED with "Annex B, Appendix A-1 Financial Offer."

At Annex A, section 5.8.2) c) (3), DELETE in its entirety and replace with:

(3) 4x4 MIMO AP capable of 450Mbps at MCS23 and capable of 21 channels in the 5GHz spectrum or a minimum of 2x3 multiple-input multiple-output (MIMO) with two spatial streams

At Annex A, section 5.3.2) c) (15), DELETE in its entirety and replace with:

(15) Advanced PortChannel hashing based on Layer 2, 3, and 4 information or equivalent interoperable with existing RCMP deployments

At Annex A, section 5.3.2) c) (19), DELETE in its entirety and replace with:

(19) Intentionally left blank

At Annex A, section 5.3.2) c) (20), DELETE in its entirety and replace with:

(20) Intentionally left blank

At Annex A, section 5.2.2) c) (10), DELETE in its entirety and replace with:

(10) Survivable Remote Site Telephony, or equivalent interoperable with existing RCMP deployments, to restore at least calling services for local VoIP phone in case of failure of connectivity to be interoperable with existing centralized VoIP IP PBX based on Cisco Call Manager V7.0

At Annex A, section 5.2.2) d) (13), DELETE in its entirety and replace with:

(13) Support for Authentication, Authorization and Accounting with RADIUS (Supporting IETF RFC 2865) and TACACS+ (Supporting IETF RFC 1492) or equivalent interoperable with existing RCMP deployments

At Annex A, section 5.3.2) h) (5), DELETE in its entirety and replace with:

(5) Enhanced Interior Gateway Routing Protocol or equivalent interoperable with existing RCMP deployments

At Annex A, section 5.2.2) g) (1), DELETE in its entirety and replace with:

(1) Intentionally left blank

At Annex A, section 5.2.2) g) (2), DELETE in its entirety and replace with:

(2) Intentionally left blank

At Annex A, section 5.2.2) g) (3), DELETE in its entirety and replace with:

(3) Intentionally left blank

At Annex A, section 5.2.2) g) (4), DELETE in its entirety and replace with:

(4) Intentionally left blank

At Annex A, section 5.2.2) g) (10), DELETE in its entirety and replace with:

(10) Intentionally left blank

At Annex A, section 5.4.4) f) (9) (i), DELETE in its entirety and replace with:

(i) G.722 and/or Wideband G.722

At Annex A, section 5.4.6) a) (34), DELETE the "X" from the "Type 4 Phone" column

At Annex A, section 5.4.6) a) (38), DELETE the “X” from the “Type 4 Phone” column

At Annex A, section 5.4.6) a) (44), DELETE the “X” from the “Type 4 Phone” column

At Annex A, section 5.4.6) a) (76), DELETE the “X” from the “Type 4 Phone” column

At Annex A, section 5.4.6) a) (75), DELETE the “X” from the “Type 4 Phone” column

At Annex A, section 5.4.6) a) (77), DELETE the “X” from the “Type 4 Phone” column

At Annex A, section 5.4.6) a) (96), DELETE the “X” from the “Type 4 Phone” column

ALL OTHER TERMS AND CONDITIONS OF THIS SOLICITATION
REMAIN UNCHANGED.

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Following is a summary of Attachments/Amendments issued to date to this solicitation:

Document Tracking	Distribution	Date	Description
Amendment No. 001	MERX	14 March 2012	Canada's Response to Question 2
Amendment No. 002	MERX	16 March 2012	Canada's Response to Questions 1,3,4,6,7 and 8
Amendment No. 003	MERX	16 March 2012	Amendment to confirm the extension to the solicitation closing date on the NPP and coverage page of this solicitation
Amendment No. 004	MERX	19 March 2012	Notice of Enquiries Period 1 closing
Amendment No. 005	MERX	27 March 2012	Extend the solicitation closing date
Amendment No. 006	MERX	27 March 2012	Extend the solicitation closing date and Canada's Response to Questions 5,12,13,16,38,39 and 40

Solicitation No. - N° de l'invitation

M9010-091080/C

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

M9010-091080

Amd. No. - N° de la modif.

008

File No. - N° du dossier

003tssM9010-091080

Buyer ID - Id de l'acheteur

003tss

CCC No./N° CCC - FMS No/ N° VME

Document Tracking	Distribution	Date	Description
Amendment No. 007	MERX	2 April 2012	Canada's Response to Questions 24 and 37
Amendment No. 008	MERX	Current Document	Extension of the closing date and Canada's Response to Questions 9,10,11,25,28,30,31,32,33,34,35 and 36