



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A :**

E-mail address: Charles.Langlois@rcmp-grc.gc.ca

**AMENDMENT TO THE
REQUEST FOR A STANDING
OFFER**

**MODIFICATION A LA
DEMANDE D'OFFRE A
COMMANDES**

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: - Commentaries :

Title – Sujet Radio Frequency Antennas		Date 2021-05-19
Solicitation No. – N° de l'invitation 202101128		Amendment No. – N° de la modification 001
Client Reference No. - No. De Référence du Client		
Solicitation Closes – L'invitation prend fin		
At / à :	02:00	EDT(Eastern Daylight Time) HAE (heure avancée de l'Est)
On / le :	2021-05-31	
F.O.B. – F.A.B See herein — Voir aux présentes	GST – TPS See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à		
Telephone No. – No. de téléphone	Facsimile No. – No. de télécopieur	

Delivery Required – Livraison exigée	Delivery Offered – Livraison proposée
Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:	
Telephone No. – No. de téléphone	Facsimile No. – No. 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



This amendment is raised to address the following:

- To respond to questions received during the solicitation period; and
- To revise the solicitation accordingly, as applicable.

QUESTIONS AND ANSWERS

Question 1: For the 800MHz, can we use a coaxial antenna or must it be a dipole?

Answer 1: No we will not accept a coaxial antenna, refer to appendix 2 item 102.1 to 103.4, 106.1 to 110.3.

Question 2: Can we know how much gain are required by the antennas?

Answer 2: Where required gain have been specified in appendix 2, refer to item 104.1 to 111.2 and 115.1 to 116.21.

Question 3: Do you have the radiation pattern for the antenna?

Answer 3: No.

Question 4: What are the required fixtures?

Answer 4: All requested attachments parts are listed in section 113 of appendix 2.

Question 5: We will be supplying 4.3-10 to 7/16 DIN adaptors with the antennas. I want to confirm that this will be acceptable?

Answer 5: Appendix 2 to annex A specifies the connector required for the requested antenna. Some are requested with a 7/16 DIN male connector, others with a N-type male connector. Other connectors will not be accepted. Adapters are not acceptable.

Question 6: Our frequency splits on our open element antennas are as follows, looks good at VHF but will these standard splits work at UHF (330-420MHz at UHF 400-520 at UHF)?

Answer 6: In Annex A Requirement, section 3 bullet 3 we specify that "Ultra high frequency (UHF) antennas must cover the frequency range of 380 to 512 MHz. Sub band will be specified at the time of order." (See revision 1 below)

Question 7: The top mount antennas have a lightning fitting fitted to the top element is this the only difference to a side mount antenna?

Answer 7: As specified in the section 3 of Annex A, "All top mount antennas must have a lightning protection rod". A top mount antenna must be engineered to be attached to the tower to occupy the tallest area in a way that the manufacturer would certify its use. As an example the length of the mast might differ between a top mount vs a side mount in order to leave more room for clamps. In a top mount configuration, the clamping position (minimum of 2 normally) must be at the base of the mast. When requesting an anodize mast, the manufacturer would normally leave a non-anodize section for the clamps in order to respect proper grounding procedures.

Question 8: The mast O.D. is it inch?

Answer 8: Yes it is in inches.



Question 9: Don't understand the format "VHF & VHF, 2 + 1" does this mean 3 dipoles? e.g. a two stack receive pair and one transmit dipole or similar arrangement.

Answer 9: A "VHF & VHF, 2 + 1" would mean one VHF dual dipole with 1 feedline on the same mast as another VHF single dipole with 1 feedline.

Question 10: Also when it states "2 coax" does this mean a power divider would be required on the stacked pair?

Answer 10: A VHF & VHF would have 2 feedlines, one per antenna mounted on the same mast. Both antennas are electrically independent.

Question 11: Isolation has been stated. This is not a function of the antenna design and is related to the stacking distance between Tx and Rx antennas, please clarify.

Answer 11: Isolation is specified when there are 2 antennas on the same mast, for example when we ask for a VHF & VHF 1+1 dipoles, those 2 dipoles must have the required isolation.

Question 12: For some models we use larger pipe sizes and or thickness as standard products, which provides greater ruggedness and resistance. Would RCMP consider / accept that the response to Annex B be based on those standard products related specifications?

Answer 12: Yes, the mast O.D. dimensions listed in Appendix 1 to annex A and Annex B are minimums dimensions. See revision 2 below.

SOLICITATION REVISIONS

1) On page 21 Annex A,

DELETE:

Ultra high frequency (UHF) antennas must cover the frequency range of 380 to 512 MHz.
Sub band will be specified at the time of order.

INSERT:

Ultra high frequency (UHF) antennas must cover the frequency range of 380 to 512 MHz.

- An option must exist to cover 380 MHz to 430 MHz
- An option must exist to cover 406 MHz to 470 MHz

2) On page 21 Annex A,

INSERT:

Any mast outside dimensions (OD) specified in Appendix 2 to Annex A are minimum dimensions.



3) On page 22 Appendix 1 to Annex A DELIVERY ADDRESSES,

INSERT:

<p>"E" Division RCMP Radio Technology #5-500 Slater Rd, Cranbrook, BC V1C 2N9, Attn: Randy Miller/ Erik Andersson Call before delivery 250-426-4640</p>
<p>"E" Division RCMP Radio Technology 1010 - 2nd St., Nelson, BC, V1L 6B6, Attn: Pat Perkins/Greg Hoffos 250-354-5185</p>
<p>"E" Division RCMP Radio Technology 112-1765 Springfield, Kelowna, BC, V1Y 5V5, Attn: Ryan McKenna 250-469-8160</p>
<p>"E" Division RCMP Radio Technology 1280 Trans Canada Highway Kamloops, BC V2C 5Y5 Attn: Gord Krog/Lyle Fuller 250-828-3412</p>
<p>"E" Division RCMP Radio Technology 4412 Boban Dr, Nanaimo, BC V9T 5V9 Attn: Justin Mullin 250-760-3314</p>
<p>"E" Division RCMP Radio Technology 4020 5th Ave Prince George, BC V2M 7E7 Attn: Chris Pittenger 250-561-3149</p>



"E" Division

RCMP Radio Technology
14200 Green Timbers Way
Surrey, BC, V3T 6P3
Attn: Matt Dyck
778-290-3577
Call before delivery to ensure loading dock
availability

All other terms and conditions of the Solicitation remain the same