



National Defence

Défense nationale

National Defence Headquarters  
Ottawa, Ontario  
K1A 0K2

Quartier général de la Défense nationale  
Ottawa (Ontario)  
K1A 0K2

### REQUEST FOR QUOTATION/OFFER DEMANDE DE PRIX/D'OFFRE

#### RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:

Attention: Garvin Suepaul, DES Proc 5-4-3  
Email: [garvin.suepaul@forces.gc.ca](mailto:garvin.suepaul@forces.gc.ca)

### SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

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

Ce document est par la présente révisé; sauf indication contraire; les modalités de l'invitation demeurent les mêmes.

<b>Title/Titre</b> Antenna Requirement	<b>Solicitation No – N° de l'invitation</b> W6369-200186/B
<b>Amendment No. - N° modif.</b> 001	
<b>Date</b> December 13, 2019	
<b>Address Enquiries to – Adresser toutes questions à</b> Garvin Suepaul <a href="mailto:garvin.suepaul@forces.gc.ca">garvin.suepaul@forces.gc.ca</a>	
<b>Telephone No. – N° de téléphone</b> 613-998-7575	<b>FAX No – N° de fax</b> N/A
<b>Destination</b>  CFB Kingston 5 Somme Ave, Bldg, C36 Kingston Ontario, K7K 7B4 Canada	

#### Instructions:

**Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.**

**Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.**

#### Solicitation Closes – L'invitation prend fin

At – à :  
14 :00 EST

On - le :  
January/janvier 6, 2020

Delivery required - Livraison exigée March 31, 2020	Delivery offered - Livraison proposée
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

## AMENDMENT NO. 001

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This amendment is raised to revise the RFP and answer Bidder's questions.

### **RFP REVISIONS**

#### **1. At Page 1 of the RFP, Solicitation Closes:**

**Delete:** January/janvier 3, 2020

**Insert:** January/janvier 6, 2020

### **QUESTIONS AND ANSWERS:**

#### **Question 1:**

Is there any weight specification/limit?

#### **Answer 1:**

No there is no weight specification/limit.

#### **Question 2:**

Requirement 5985-20-008-0177 is for Vertical or Horizontal polarization antenna?

#### **Answer 2:**

The 5985-20-008-0177 antenna is both Vertical and Horizontal polarized.

#### **Question 3:**

Requirement 5985-20-008-0177 is for directional antenna?

#### **Answer 3:**

No, the 5985-20-008-0177 requirement is for an omni-directional antenna.

#### **Question 4:**

Is there any specification/requirement for the material to be used to build the antenna of requirement 5985-20-008-0177?

#### **Answer 4:**

The winning Bidder is **not** expected to assemble/build the antenna or install it in a field location. This will be done by DND at a later date. The winning Bidder **is** expected to deliver the complete antenna in crated parts, as per the parts list in Annex E, to DND's warehouse in Kingston, Ontario.

#### **Question 5:**

Regarding the 2-30 MHz antenna, 5985-01-462-8132 or Equivalent, the Mandatory Criteria M1. Frequency Range states, "The proposed antenna must operate over a range of 2.0 MHz minimum to 30.0 MHz maximum."

Would you accept the following frequency range: 3.0 – 30.00 MHz?

**Answer 5:**

No, DND cannot and will not add a new antenna with less capabilities into its system.

**Question 6:**

Regarding the 2-30 MHz antenna, 5985-01-462-8132 or Equivalent, Mandatory Criteria M3. Dimensions states, "The proposed antenna must each have a height, length and width dimensions within 92 feet, 185 feet and 160 feet respectively."

Would you accept the total height of 100 ft?

**Answer 6:**

No, DND cannot and will not add a new antenna with different dimensions into the Canadian Forces Supply System. This would change training, spare parts, foundations, anchor points, etc.

**Question 7:**

Regarding the 2-30 MHz antenna, 5985-01-462-8132 or Equivalent, the Mandatory Criteria M6. VSWR states, "The proposed antenna's Voltage Standing Wave Ratio (VSWR) rating over the complete operating frequency range (3.0MHz to 30MHz) must be less than or equal to 2.1"

Our product has the following VSWR. Please advise if this is acceptable:

3.0- 4.0 MHz less than 3:1

4.0- 30.0 MHz less than 2:1.

**Answer 7:**

No. First, the important number should be VSWR from 2.0-4.0 MHz (not just 3). Second is that the actual performance is negatively affected although admittedly only slightly. Third, it comes back to having to support a new and more limited product. All personnel installing and maintaining the new antenna will need to be trained to look for a VSWR of only 3:1 at lower frequencies so they do not spend time trying to get the antenna to perform better than it is capable of.

**Question 8:**

Regarding the 2-30 MHz antenna, 5985-01-462-8132 or Equivalent, the Mandatory Criteria M7. Input Connector states, "The proposed antenna connector must be 3 1/8 EIA."

Would you accept 1-5/8" EIA coaxial flange instead?

**Answer 8:**

No, we need to handle the 25 Kw/50 PEP power levels and we do not believe a 1 5/8" EIA will handle this with an adequate margin of safety. Furthermore, cable run length can be a big issue and having to use a thinner cable or step up/down adaptors could significantly reduce the operating performance of the overall system.

**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.**