



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

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 - 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

<b>Title - Sujet</b> Small Form Factor Link16	
<b>Solicitation No. - N° de l'invitation</b> W8476-185886/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> 6000430523	<b>Date</b> 2018-06-08
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$QD-029-26819	
<b>File No. - N° de dossier</b> 029qd.W8476-185886	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2018-06-26</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bright, James	<b>Buyer Id - Id de l'acheteur</b> 029qd
<b>Telephone No. - N° de téléphone</b> (819) 420-0919 ( )	<b>FAX No. - N° de FAX</b> (819) 420-0919
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

**Amendment #5 is raised for Request for Proposal (RFP) number W8476-185886.**

***The intent of this amendment is to provide clarifying responses to Industry questions and where applicable, amend the RFP in response to Industry questions.***

**Question 18:**

**Rated Technical Requirements Section 2.4.2.** This section awards up to 600 points for demonstrated range performance from 170nm to 230nm. In order to ensure an equivalent comparison between Bidders' solutions, it is recommended that Canada specify conditions in which the target system should be evaluated. This will prevent Bidders from making unrealistic assumptions that their systems can not meet in real life. The recommended parameters for a fair analysis are in the table below. The recommended values (in the event that Canada does not have readily available data) are drawn from the United States Air Force (USAF) Transportable Tactical Gateway (TTG) program. These were the values specified by the US Govt in the TTG solicitation, a program with similar ground-based Link16 requirements as Canada's ASCC.

Ser.	Recommended Parameter	Recommended Value
1	Analysis Model	Free Space Path Loss (FSPL)
2	Receive (Rx) Cable and Connector Loss (air node)	3.4 db
3	Transmit (Tx) Cable and Connector Loss (ground node)	3.4 db
4	Receive (Rx) Antenna gain/loss (air node)	2.0 dbi
5	Transmit (Tx) Antenna gain/loss (ground node)	2.5 dbi
6	Receive (Rx) Sensitivity (air node)	-104 dbm (ie. air node LVT1)
7	Margin required to close link	6 db

**These parameters are in addition to assumptions Canada has already listed and assume a Con Ops as follows:**

- The SFFL16 radio is the ground node in a Ground-to-Air transmission
- Air node is an LVT1 (as used by the RCAF CF-188 Hornet aircraft)
- Ideal weather conditions (no loss)
- Clear line of sight (no obstructions)
- Single Link16 antenna at the ground node

**Answer 18:**

Bidder's are expected to reference live range tests that have been performed when justifying claimed maximum range.

The Technical Evaluation Matrix states that:

"Range extrapolation is acceptable to demonstrate link ranges beyond that achieved under the test conditions. Extrapolation must be supported by data collected for the received signal power and sensitivity."

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DND

Amd. No. - N° de la modif.

005

File No. - N° du dossier

W8476-185886

Buyer ID - Id de l'acheteur

029QD

CCC No./N° CCC - FMS No./N° VME

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As such, Bidder's are expected to use the parameters of the test setup itself when extrapolating received-power curves to account for (as an example) the loss of line-of-sight.

No changes to this section of the RFP, specifications and requirements remains as published.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**