



**RETURN BIDS TO:**

**Shared Services Canada (SSC)**  
Procurement and Vendor Relationships  
180 Kent Street, 13th Floor  
Ottawa, Ontario  
K1P 0B6

**RETOURNER LES SOUMISSIONS À:**

**Services Partager Canada (SPC)**  
Acquisitions et relations avec les  
fournisseurs  
180 rue Kent, 13ieme étage  
Ottawa, Ontario  
K1P 0B6

**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**

**Issuing Office – Bureau de distribution**  
Procurement and Vendor Relationships | Achats et  
relations avec les fournisseurs  
EO Division | Division EO  
180 Kent Street | 180 Rue Kent  
13th Floor  
Ottawa, Ontario  
K1P 0B6

<b>Title – Sujet</b> Satellite Space Segment/Teleport Service/Remotes Sites Stream 1, 2 and 3 for Shared Service Canada (SSC)	
<b>Solicitation No. – N° de l'invitation</b> R000022831/A	<b>Amendment No. – N° de modif.</b> <b>003</b>
<b>Client Reference No. – N° référence du client</b>	<b>Date</b> June 11, 2018
<b>GETS Reference No. – N° de reference de SEAG</b>	
<b>File No. – N° de dossier</b> n/a	
<b>Solicitation Closes – L'invitation prend fin</b> <b>THE CLOSING is :</b> <b>LA DATE DE CLOTURE EST :</b> <b>at – à 11 :00 am</b> <b>on – le July 20, 2018</b>	<b>Time Zone</b> <b>Fuseau horaire</b>  Eastern Daylight Time (EDT)
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Inquiries to :- Adresser toutes questions à:</b> Kenny Leung	<b>Buyer Id – Id de l'acheteur</b> CCG
<b>Telephone No. – N° de téléphone :</b> 613 790-6964	<b>FAX No. – N° de FAX</b> Not applicable
<b>Delivery required - Livraison exigée</b> See Herein	<b>Delivered Offered – Livraison proposée</b>
<b>Destination – of Goods, Services, and Construction:</b> <b>Destination – des biens, services et construction :</b> Kenny Leung: (613) 790-6964 Shared Services Canada (SSC) 180 Kent Street, 13th Floor, Ottawa, Ontario, K1G 4A8	

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



**SOLICITATION AMENDMENT # 003**

The purpose of this amendment is to:

- 1) Revise solicitation closing date;
  - 2) Amend Annex A Statement of Work;
  - 3) Amend Annex B1 Stream 1 Pricing Sheet;
  - 4) Amend Annex B2 Stream 2 Pricing Sheet;
  - 5) Amend Annex B3 Stream 3 Pricing Sheet;
  - 6) Amend Bidder Form
  - 7) Answer Bidder Questions
- 

**1) At the Front page of the Solicitation R000022831/A:**

The closing date for receipt of Proposal Responses is extended as noted below:

**DELETE** Solicitation Closes – L'invitation prend fin  
at – à 11:00 AM  
on – le 2018-07-06

**INSERT** **Solicitation Closes – L'invitation prend fin**  
**at – à 11:00 AM**  
**on – le 2018-07-20**

**2) At Annex A Statement of Work of the Solicitation R000022831/A:**

**DELETE** Annex A – Statement of Work

**INSERT** **Annex A – Statement of Work\_V1**

**3) At Annex B1 Pricing Sheet for Stream 1 of the Solicitation R000022831/A:**

**DELETE** Annex B1 – Pricing Sheet for Stream 1

**INSERT** **Annex B1 – Pricing Sheet for Stream 1\_V1**

**4) At Annex B2 Pricing Sheet for Stream 2 of the Solicitation R000022831/A:**

**DELETE** Annex B2 – Pricing Sheet for Stream 2

**INSERT** **Annex B2 – Pricing Sheet for Stream 2\_V1**

**5) At Annex B3 Pricing Sheet for Stream 3 of the Solicitation R000022831/A:**

**DELETE** Annex B3 – Pricing Sheet for Stream 3

**INSERT** **Annex B3 – Pricing Sheet for Stream 3\_V1**

**6) At Bidder Form of the Solicitation R000022831/A:**

**DELETE** Bidder Form

**INSERT** **Bidder Form\_V1**



## 7) Respond Bidder Question:

Question 1: What is the anticipated start date for providing service? Is there flexibility in the start date?

**Answer 1: The anticipated start date will be determined once this competitive process is completed and that the selected bidder is awarded the contract.**

Question 2: Section 2.7 - Stream 2 does not include an initial or steady state volume of capacity but streams 1&3 do. Is there initial capacity required for Stream 2?

**Answer 2: Stream 1 and 3 carry existing services for applications that require Canada, CONUS and Caribbean Coverage as well as the need for restoration in case of a satellite failure without guarantee of capacity in advance. Stream 2 is a newly introduced stream for potential applications that require Canada coverage only and is one that can accommodate the risks of not having alternate satellite space segment capacity in the case of a satellite failure. Stream 2 is also intended to capture potential costs effective higher power satellite solutions within Canada particularly in the North. Therefore, for Stream 2, there is no existing steady state capacity and there is only a nominal projected capacity growth of 1 MHz per year but that may increase depending on the cost effectiveness of such potential satellite solutions that may result from this RFP.**

Question 3: For streams 1&2 the SOW specifies 27 MHz transponder size. Other sizes of transponder can also meet this requirement. Please confirm that 36 MHz and 54MHz transponders will also be acceptable.

**Answer 3: We were referring to (2) 27 MHz RF channels within 54 MHz wide Ku-band transponders that have been the industry standard for many years. 36 MHz and 54 MHz transponders are indeed acceptable. For stream 1 and 2, the technical specifications of the SOW will be modified to include 36 MHz and 54 MHz wide transponders.**

Question 4: Streams 1&3 refer to a requirement to provide service in the Caribbean islands. The only ground station listed in the Caribbean, however, is in Port-au-Prince Haiti. Is it possible to specify more precisely the coverage requirement for the Caribbean?

**Answer 4: In sections 3A.3.2 and 7A.3.2 of the SOW, we indicate that for streams 1 and 3 the coverage required is Canada, CONUS and the Caribbean. The specifics of the coverage in terms of satellite minimum EIRP and G/T are stated in sections in sections 3A.3.3 and 7A.3.3 of the SOW.**

Question 5: In the Introduction to the SOW, it is stated that Streams 1&3 include, " ... a requirement for available alternate Satellite Space Segment Capacity for service restoration." In the Technical requirements sections for Streams 1&3, however, Type 3 service is defined as,



Type 3 Service Defined as non-protected in the event of an interruption. No restoration is designated for this Type 3 Service, but the Type 3 Service may be restored at the discretion of the Contractor, subject to the availability of Satellite Space Segment Capacity at the time of interruption and prudent facility management.

Please clarify whether there is a restoration capability requirement for each Streams as they are classified as “Type 3” carriers.

**Answer 5: There is no mention of the wording “Type 3 carriers” but rather “Type 3 services” in the SOW. There is a restoration capability requirement for Streams 1 and 3, but not for Stream 2. For stream 1 and 3 the bidders are required to identify alternate satellite capacity that have to be acquired in the event of a failure of the primary satellite. This does not mean that the capacity must be guaranteed in advance on this alternate satellite but rather that an alternate satellite with the same characteristics must be available to transfer service without changing the established ground segment network infrastructure (e.g. antenna sizes and RF components). This requirement is not in contradiction with the definition of Type 3 service. All we are saying is that the solution proposed must have a satellite restoration capability with existing assets. For more details please refer to Form 3 - Substantiation of technical requirements for each stream that requires substantiated evidence.**

Question 6: In Section 2.1.13 states “The Contractor must have the ability to provide redundancy or backup for every Satellite being considered for this Service. However, Stream 2 does not require backup capacity. Also Type 3 carriers do not guarantee backup. Please clarify.

**Answer 6: The paragraph in section 2.1.13 has been updated to provide more clarity. Furthermore, please refer to the updated Form 3 – Substantiation of Technical Requirements for more explanations.**

Question 7: Section 3A.4.4 the table identifies Modulation and Coding for each carrier. The requirement to use these MODCODs conflicts with the request in 3A.1.6 where it states, “The Contractor must provide Satellite Space Segment Capacity in the most efficient and cost effective manner...” If we must use the MODCODs listed then we are not able to change the MODCOD to more effective options with higher performing satellites to decrease MHZ and lower overall costs. This is the same issue for Streams 2 and Streams 3. Please confirm that we be compliant if we change the MODCODs to more effective options if we achieve the performance and network requirements.

**Answer 7: The Statement of Work (SOW) will be updated to remove the requirement to use specific MODCOD settings and to let each bidder submit their link designs with their selected MODCOD settings as per the selected satellite modem manufacturer.**



**Question 8. Are there any orbital restrictions for the Ku-band solutions for Stream 1 and Stream 2?**

**Answer 8: No, there is not orbital restriction as long as the geographical coverage has clear Line of Sight (LOS) to the proposed satellite(s) and with the satellite performance specified in sections 3A.3 and 5A.3.**

**ALL OTHER INFORMATION RELATED TO THIS SOLICITATION,  
REMAINS UNCHANGED**