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TPSGC.PADivisionQE-APQEDivision.PWGSC@tpsg

**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**  
Security and Information Operations Division/Division  
de la sécurité et des opérations d'information  
11 Laurier St. / 11, rue Laurier  
8C2, Place du Portage  
Gatineau  
Québec  
K1A 0S5

<b>Title - Sujet</b> ITI in Sp of C2 Project	
<b>Solicitation No. - N° de l'invitation</b> W8474-18IT01/B	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> W8474-18IT01	<b>Date</b> 2019-12-10
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$QE-450-27248	
<b>File No. - N° de dossier</b> 059qe.W8474-18IT01	<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 2020-09-30</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving 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 Enquiries to: - Adresser toutes questions à:</b> See herein	<b>Buyer Id - Id de l'acheteur</b> 059qe
<b>Telephone No. - N° de téléphone</b> (819) - ( )	<b>FAX No. - N° de FAX</b> (819) -
<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>

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### **Amendment 007**

This amendment is raised in order to seek additional inputs from Cloud service providers on their cloud capabilities and associated costs and provide Cloud service providers with the opportunity to engage directly with Canada on a one-on-one basis to discuss and help define the Information Technology Infrastructure in Support of Command and Control (ITI in Sp of C2) Project's strategy, objectives and potential approaches for leveraging Cloud capabilities, technologies and services within DND's future Secret-level IT infrastructure.

This RFI amendment supplements the original version with additional clarifications and questions specific to the potential adoption of Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) cloud capabilities as part of the ITI in Sp of C2 Project solution for the delivery of future Secret-level IT capabilities to DND. Notwithstanding, respondents are welcome to provide Cloud-related information not specifically requested here as they deem appropriate, including with respect to potential Software as a Service (SaaS) solutions.

Canada may use the information gathered as part of this amendment to assist in the development of a Cloud service provider Invitation to Qualify (ITQ) once the project enters Definition Phase. The intent is to continue to actively engage and consult Industry throughout the procurement process to ensure a successful project end-state.

The preliminary requirements for the new Secret IT infrastructure are described in Annex B of the original RFI document.

#### **One-on-One Meeting Details**

The intention of the one-on-one meetings is to discuss potential Cloud offerings from suppliers and discuss the questions contained in this RFI amendment. The discussions will be held at the Unclassified-level. Suppliers who do not attend a one-on-one meeting are still welcome to submit a written response to this RFI amendment.

Meeting specifics:

**Period:** 7 January 2020 - 31 January 2020 (not including weekends)

**Length:** One 2 hour time slot will be allocated per supplier, between 09:00-15:00 hrs. The exact timing of the meeting will be confirmed with each supplier. Canada reserves the right, but has no obligation, to meet with any supplier(s) for additional one-on-one meetings, if it chooses to.

**Supplier Representation:** Due to the space constraints at the location, suppliers may only register a maximum of four representatives to attend a one-on-one meeting.

**Location:** Woodline Building, 2 Constellation Drive, Nepean, Ontario and/or Carling Campus (NDHQ), 60 Moodie Drive, Ottawa, Ontario.

**Access:** Supplier attendees are requested to arrive at least 15 minutes prior to their meeting time in order to facilitate sign-in.

Interested suppliers must register for the one-one-one meetings, with registration conducted on a first come, first served basis. A Visitor Clearance Request (VCR) will not be required; however, suppliers must submit the following information via email to the PWGSC Contracting Authority identified below:

- Name, corporate title and citizenship of each participant;
- Point of contact email and phone number for each participant;
- Language of preference for the meeting (French or English);
- Desired date-time windows for the meeting (Note: Canada will strive to accommodate supplier's requested timelines to the maximum extent possible, keeping in mind that Government of Canada personnel and meeting room availability may affect the final scheduling); and
- Signed Corporate and Individual Non-Disclosure Agreements found in Annex I – Attachment 1 to the original RFI document.

### **PWGSC Contracting Authority:**

Jeff Moore

Public Works and Government Services Canada

Place du Portage III, 8C2

11 Laurier Street, Gatineau, QC

[TPSGC.PADivisionQE-APQEDivision.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.PADivisionQE-APQEDivision.PWGSC@tpsgc-pwgsc.gc.ca)

873-469-3336 (enquiries only)

The PWGSC Contracting Authority will provide the supplier with the confirmed meeting location, date, time and a DND point of contact.

By participating in a one-on-one meeting, attendees agree to the Rules of Engagement detailed in Annex G of the original RFI document, as amended in RFI Amendment 003.

Please note that the names of all attendees may be published.

### **RFI Responses**

Respondents should prepare their response in accordance with *Section 1 Instructions For Responding To This Request For Information* of *Part 2: Request for Information* from the original Request for Information document except that Section 3 of a supplier's response should instead include responses to the questions included in this amendment.

**The Requested Response Date for the information requested in this RFI amendment is 28 February 2020.**

### **Essential Considerations**

DND is seeking to capitalize and rely on the services and expertise of Cloud provider(s) to the greatest extent possible, including the management of either on-premise or off-premise facilities and infrastructure.

DND is seeking technical and performance parity with commercial Cloud, even if private or hybrid Cloud services are part of the final solution.

The Cloud services must be able to provide continuous service to an internationally deployed headquarter through limited bandwidth and high-latency reach-back connectivity to the domestic IT infrastructure.

### **Questions**

#### **1. Classified Cloud Implementations**

- a. Please indicate whether you have previously implemented or are in the process of implementing classified (minimum Secret-level) IaaS and PaaS) cloud capabilities and, if applicable, specify the user communities involved or targeted.
- b. Please indicate whether classified IaaS and PaaS cloud capabilities could be implemented for DND in Canada, including descriptions of data centre architecture, and relevant assumptions applied against the response.
- c. Please indicate how you would provide a low latency environment to selected users across Canada under your proposed architecture.

#### **2. Pricing and Services**

- a. Please describe, in detail, the services that comprise your IaaS, PaaS, and/or other relevant offerings.
- b. Please describe and provide information about your typical pricing structure for IaaS and/or PaaS.
- c. Please describe to what degree your PaaS offerings are able to run on other providers' infrastructures, including which offerings are vendor agnostic for infrastructure and also identifying which offerings are limited to certain infrastructure providers.
- d. Please provide a copy of your current service catalogue, if available.

### 3. Theatre Extensions

- a. Please describe if and how you could provide IaaS/PaaS in austere and connectivity/communications deprived environments, including the use of ruggedized, portable equipment that could be forward deployed and moved within hours of notice.

### 4. Data Security and Availability

- a. What are the key factors to securing information in an enterprise cloud infrastructure? How would you ensure and demonstrate that data processing and storage remains within Canada? What are the primary risks to mitigate in this environment?
- b. Please describe how your IaaS/PaaS offerings provide for the security of information, including threat detection, mitigation, and containment.
- c. How do your offerings provide for sharing of data across classification levels and outside of your IaaS/PaaS services?
- d. Please describe your failover and data replication architecture and service offerings.
- e. Please describe your Identity and Access Management (IAM) services, and your ability to support federation of DND identities and credentials.
- f. Please describe your Attribute Based Access Control (ABAC) services, if available?
- g. How would you handle a requirement for resiliency/reliability for a solution across the Enterprise, including at the tactical edge and for a hybrid commercial/on-premise solution?

### 5. Cloud Migration

- a. Please provide your recommendations on how DND should prepare for a migration of services to the Cloud.
- b. What are the main factors that contribute to system migration failure? How can those risks be mitigated?
- c. If you provide cloud migration support as part of your IaaS/PaaS offerings, please describe in detail the scope of those services.

- d. Please provide a list of activities required for the migration of the following services, including estimated duration:
  - i. Storage
  - ii. Office collaboration tools
  - iii. Messaging services
  - iv. SQL databases
  - v. Oracle databases
  - vi. Web hosting services
- e. What kind of DND personnel resources do you recommend be available to facilitate and support workload migrations?

#### 6. DND Governance Requirements

- a. What kind of DND program office structure and governance would you recommend to manage and oversee cloud services?

#### 7. Policy and Regulatory Barriers

- a. Please identify any DND or Government of Canada policies or regulations that are barriers to success, explain why those policies or regulations are barriers, and propose revisions or an alternative that still achieves the underlying policy or regulatory objective.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**