



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**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
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3

Title - Sujet Data Centre Hosting Services	
Solicitation No. - N° de l'invitation MA021-200048/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client MA021-20-0048	Date 2020-12-16
GETS Reference No. - N° de référence de SEAG PW-SHAL-219-11124	
File No. - N° de dossier HAL-0-85155 (219)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Standard Time AST on - le 2021-01-07 Heure Normale de l'Atlantique HNA	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Richard, Linda K.	Buyer Id - Id de l'acheteur hal219
Telephone No. - N° de téléphone (902) 402-9059 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° 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

SOLICITATION AMENDMENT 2

This amendment is issued in response to the following:

1. Bidder Questions

1. Are data centre hosting facilities located in Toronto and Montreal acceptable to Marine Atlantic? Is secure remote access to the data centre and MAI's IT equipment in Colocation satisfactory for day to day operations and management?

Answer: Yes

2. What SIEM version and features does MAI use and which logs are currently ingested for analysis?
SIEM:

Answer: Splunk version 8
Ingesting: - Firewall (syslog)- Cisco eStreamer

3. For completion of pricing Table 1 on page 38, what quantities should be used?

Answer: 1 or per GB

4. Please provide an inventory of existing in-scope hardware equipment, software versions and configuration details.

Answer: 120+ servers, most on Window OS, less than 10 linux boxes

5. Please provide a list of equipment to be placed into colocation racks at the new data centre.

Answer: Approx 40 servers. 4-5 routers, 4-5 switches, Cisco ASA firewall

6. Are there any application specific physical or virtual server requirements or constraints (e.g. for SAP)?

Answer: Not that we are aware of

7. Is the standard landscape used for SAP? What are the various modules used for SAP (along with the version used) and the related hardware used?

Answer: We have a S4/HANA environment on version 1709 (Sandbox, dev, QA, PROD) containing Payroll, Benefits, and Finance lite. This environment connects to SuccessFactors (cloud) and WFS(cloud) The data center would only be involved in

patching OS and monitoring hardware and backups. There would be no requirement of the data center to support the application itself.

8. Who are MAI's current Network providers?

Answer: Bell

9. Are all existing IT assets to be migrated from a single MAI data center or are third party facilities used as well?

Answer: 2 datacenters

10. Please clarify what safeguarding measures are required as referenced on page 9, section 3.1.3.1

Answer: In this case, we are asking for the full addresses of the sites or premises for the Work Performance – safeguarding simply means the security of the data.

2. Under Annex "A" – Statement of Work: Under Section A.2 Data Centre Minimum Standards

Delete: in its entirety

Insert: the following

Type of facility	<ul style="list-style-type: none">Designed to Tier 3 standards
Availability Performance	<ul style="list-style-type: none">99% 99.982%No more than 1.6 hours of downtime per year
Power generation	<ul style="list-style-type: none">N+1 configurationOn-site fuel capacity – 12 hoursLive refuelling available as requiredPriority delivery agreement
Uninterruptible power supplies (UPS)	<ul style="list-style-type: none">30 minutes of protection from power outages
Environmental Monitoring	<ul style="list-style-type: none">24/7 x365 days per year
Power distribution/Monitoring	<ul style="list-style-type: none">Redundant power supply to customer cabinetStandard configuration with two cabinet distribution units (CDU) in each cabinetPeak power monitored at the cabinet and distribution levels
Physical and Process Access Controls	<ul style="list-style-type: none">Continuous controlled and recorded access 24x7x365

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MA021-200048
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MA021-20-0048

Amd. No. - N° de la modif.
002
File No. - N° du dossier
HAL-0-85155

Buyer ID - Id de l'acheteur
hal219
CCC No./N° CCC - FMS No./N° VME

HVAC (Heating, Ventilation and Cooling)	<ul style="list-style-type: none">• Cooling is handled through a centralized cooling system• N+1 chillers• Cooling demand is monitored and adjusted to support the growth of the Data Center and respective rooms.• Redundancy and fault tolerance built into the cooling solution
Fire detection and suppression	<ul style="list-style-type: none">• Detection zones for each room within the data center.• Fire Suppression System:<ul style="list-style-type: none">○ Fire Extinguishers○ Fire Alarms○ Smoke Detectors /Heat Sensors○ Dry/Waterless fire suppression systems

All other terms and conditions remain unchanged.