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**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

THIS DOCUMENT CONTAINS A SECURITY
REQUIREMENT / CE DOCUMENT CONTIENT
DES EXIGENCES RELATIVES À LA SÉCURITÉ

Vendor/Firm Name and Address

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Issuing Office - Bureau de distribution

Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet CBSA, CCTV AT JEAN LESAGE AIRPORT	
Solicitation No. - N° de l'invitation 47419-189043/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client 1000339042	Date 2018-10-12
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-467-75387	
File No. - N° de dossier hn467.47419-189043	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-10-25	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dubé, Robert	Buyer Id - Id de l'acheteur hn467
Telephone No. - N° de téléphone (873) 469-3936 ()	FAX No. - N° de FAX (819) 953-4944
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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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 No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

AMENDMENT #002

This amendment solicitation is raised to:

- A) Answer questions from the industry; and
- B) Make revision(s) and/or clarification(s) to the RFP document.

A) To answer questions #1 to #27 from the industry:

QUESTION 1:

There are no mounting details listed or mentioned in specifications? Are all cameras surface mounted?

ANSWER 1:

Please note that all necessary mechanical mounts, accessories and cabling other than the one already in place on site must be included in the proposal

The mounting details are not listed or mentioned in the specification. This let the flexibility to the Contractor in order to choose the appropriate mechanical mount regarding to the site.

QUESTION 2:

Is there any existing CCTV devices to be integrated into the new system?

ANSWER 2:

There is no existing CCTV devices to be integrated into the new System, but the new CCTV System has to comply with the open architecture and the other criteria required in the specifications.

QUESTION 3:

Switches capacities and location can't be determined without a system topology diagram, ex. How many cameras will go to how many equipment rooms?

ANSWER 3:

The System topology diagram is included in the main diagram of the specifications.

However some changes occurred according to the satellite rooms. Please consider the following:

1. All satellite rooms are removed; only one server room is hosting the CCTV equipment and receiving all the cameras.
2. The number of cameras arriving to the server room is about 91(First floor) + 17(basement) + 1(Second Floor) =109 cameras.
3. The UPSs #T1-UPS1 and #T2-UPS1 must be removed from the supply list.
4. The Switch Solution #T1-SS1 must be moved to the Server Room.
5. The Switch Solution #T2-SS1 must be removed from the supply list.
6. The minimum power for the main UPS #SS-UPS1 (referenced table UPS-R:H7) must be reevaluated up to 8.5kW.
7. Requirements that are not mentioned on these modifications stay the same.

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

QUESTION 4:

The medium UPS (for small rack) sizing can't be calculated without knowing the number of switches to be installed in the rack. For this we need to know how many cameras are coming to this location.

ANSWER 4:

Answer provided in question 3 of this amendment.

QUESTION 5:

Regarding the viewing stations hardware installation.

- 5.1) Are desks or working surface assigned for the PC, mouse and keyboard?
- 5.2) Will the monitor be desk mounted?
- 5.3) No monitors wall mounts mentioned on the equipment specifications?

ANSWER 5:

5.1 Yes

5.2 & 5.3) All the equipment including the viewing stations are referenced and geo-located with regard to the site map. The location details will be provided to the Contractor upon contract award.

ERRATUM: The viewing station PS1-SV1 (specification table "VST-D-G2-M32:CV/32H") MUST HAVE two monitors instead one. Both monitors must have a diagonal dimension of 42 inches.

By default, all the monitors will be desk mounted EXEPT all the 42" monitors of the following viewing stations: PS1-SV1, PS2-SV1 & PS3-SV1 which will be wall mounted.

QUESTION 6:

Are you aware that many of the equipment mentioned on the specifications, as example are discontinued and were replaced in all cases by similar devices but with better specifications. Ex. 75% of the Axis cameras are discontinued models.

ANSWER 6:

A new list of suggested models is available in answer 20 of this amendment. The camera model provided in the specifications are only suggestions. If the equipment mentioned is discontinued, the Bidder can propose an equipment that comply with all the requirement statements.

QUESTION 7:

Is there any camera cable run exceeding 90m.?

ANSWER 7:

The cabling from the camera up to the server room has been completely done by following the standards and best practices. Most of the cameras are at a distance less than 80m from the server room. For the few cameras that have a distance higher than 80m, a media converter has been used in order to extend the network cable capacity.

QUESTION 8:

Are the existing "connection points" passive junction boxes, IDFs, or do we need to install PoE switches in any of them?

ANSWER 8:

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

No, there is no need for POE switches other than in the one in the server room. In this project, there are no junction boxes nor IDF. The cabling from the camera up to the server room has been completely done.

QUESTION 9:

How are cameras cables being terminated?

ANSWER 9:

All the camera cables are terminated on both sides: on the camera side with a RJ45 connector and on the server room side where it is connected on the patch panel. See answer #2 (Modification 001): Cables are all labelled, tested and documented.

QUESTION 10:

How are large format monitors (32", 42") being mounted?

ANSWER 10:

The monitor size is provided in the specifications table of the viewing stations.

- PS1-SV1: 2 x 42" monitors
- PS1-V2: 2 x 27" monitors + 1 x 24" monitor
- PS2-SV1: 3 x 42" monitors
- PS3-SV1: 2 x 42" monitors
- PS4-SV1: 1 x 32" monitor + 1 x 24" monitor

Note that an ERRATUM has been mentioned in answer 5 of this amendment.

QUESTION 11:

Are all cables being labelled and documented?

ANSWER 11:

Please refer to the clarifications #2 in the RFP Amendment 001

QUESTION 12:

Are cables at the headend being terminated on a dedicated patch panel? Is it labelled?

ANSWER 12:

Answer provided with question 8, 9 and 11 of this amendment

QUESTION 13:

Who will provide the electrical works to feed the power for the large UPS at the headend room?

ANSWER 13:

CBSA and the Airport authority are responsible to run the power cables up to the server room.

QUESTION 14:

We understand the RFP requires:

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:
(a) use 8.5 x 11 inch (216 mm x 279 mm) paper;

We also understand there are RFP requirements for items such as project schedules etc. These items will

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

be difficult to evaluate/read if printed on 8.5 x 11 inch (216 mm x 279 mm) paper. Would it be possible to include 11 x 17 fold out paper for these type of items?

ANSWER 14:

Yes, the use of 11 X 17 fold out paper for these type of items are acceptable in your bid.

QUESTION 15:

Since 90% of IPVS solutions are not Windows based, will CBSA consider other Linux-based solutions?

ANSWER 15:

No, Windows on all the platforms is a strong requirement. This is required for compatibility, maintenance, training and support issues.

QUESTION 16:

Will the IP addresses of the cameras and other devices of the CCTV System be assigned by the CBSA or by the Contractor?

ANSWER 16:

The configuration of the CCTV System including the choice of the IP addresses must be done and fully documented by the Contractor. Note that the use of static IP addresses is strongly recommended. Note also that, given the large number of viewing stations and images to be displayed, a "Multicast" configuration is required.

QUESTION 17:

For the PTZ cameras are 120 Volt AC outlets planned and installed in the ceiling nearby them?

ANSWER 17:

The answer to this question will be provided in the next RFP amendment.

QUESTION 18:

Will our technicians have a parking space near the building, for 1 to 2 service vehicles? Will there be a fee? If yes, how much?

ANSWER 18:

Yes. Free parking will be make available for service vehicles.

QUESTION 19:

For the majority of the work, at least two technicians are expected to work at different locations each day. Is the CBSA going to provide escorting officer for each technician?

ANSWER 19:

Yes

QUESTION 20:

We have questions regarding the requirement for the Horizontal Field of View Angle of the cameras

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

We noticed that majority of cameras required a field of 95° to 110°. One of the main models of Axis model: P3364-V providing a horizontal field of view at 105° which is requested for the project has been replaced by the P3374-V and its horizontal field of vision is at 90° which is less than the technical specifications.

- Do you accept that the model P3374-V be compliant?
- What would accept to be compliant with the P3364-V camera?
- Would you accept the following suggested specifications?

The Horizontal Field of View Angle suggestion listed below would compliant to 1-2 degrees.

Angle de Vision Horizontale

Spec Requis		Spec Suggérer		Manufacturier	Modèle Accepter		Discontinué et changer pour		Pelco	
115°	125°	115°	125°	Bosch	NCN-90022-F1	121°	-----		IBD129-1	115°
95°	110°	90°	110°	Axis	P3364-V	105°	P3374-V	90°	IME129-1IS	93°
95°	110°	90°	110°	Axis	Q3505-V	105°	Q3515-LV	105°	IME229-1IS	93°
95°	110°	90°	110°	Axis	Q3505-VE	105°	Q3515-LVE	105°	IME229-1ES	93°
75°	85°	75°	90°	Axis	P3367-V	84°	-----		IMP521-1ES	88°
55°	75°	55°	75°	Axis	Q6054	62.9°	Q6054-E MKIII	58.3°	S6230-EGL1	63.7°

ANSWER 20:

a) Answer is no, the Axis model P3374 does not comply with the specifications although it is the Axis replacement model. And because of its new 16: 9 sensor format, its vertical field of view makes it less efficient than its predecessor model.

b) See below the list of suggested new models that meet the requirements mentioned in the Specifications.

c) By default, the requirements mentioned are mandatory and non-negotiable. CBSA may downgrade the specification if no market model can no longer be identified as meeting the requirements. In the present case, since the D-1.2-100 models no longer have an identifiable conforming model on the market, the requirements of the horizontal field of view have been lowered while having a constraint on the vertical field of view.

List of suggested new models that meet the requirements mentioned in the specifications.

Reference #	Requirement about Field of View (FoV)	New suggested models
-1.5-120:11/V	No changes	No changes: Bosh flexidome IP corner 9000MP
D-1.2-100/V	Horizontal : 90 degrees to 110 degrees required Vertical: 70 degrees to 80 degrees required	New compliant suggested model: SONY SNC-602R
D-1.2-100:Au/V	Horizontal : 90 degrees to 110 degrees required Vertical: 70 degrees to 80 degrees required	New compliant suggested model: SONY SNC-602R
D-1.2-100:Co/V	Horizontal : 90 degrees to 110 degrees required Vertical: 70 degrees to 80 degrees required	New compliant suggested model: SONY SNC-602R

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

D-2.3-100/V	No changes	New compliant model suggested: Axis Q3515-LV
D-2.3-100/VE	No changes	New compliant model suggested: Axis Q3515-LVE
D-2.3-100/VW5	No changes	New compliant model suggested: Axis Q3515-LVE
D-2.3-100:Co/V	No changes	New compliant model suggested: Axis Q3515-LV
D-2.3-100:Co/VW5	No changes	New compliant model suggested: Axis Q3515-LV
D-5-80/V	No changes	No changes: Axis P3367. Axis Q3517-V is also compliant
D-5-80:Co/V	No changes	No changes: Axis P3367. Axis Q3517-V is also compliant
Z-1-60-x30	No changes	The same product family Axis Q6054-E (MkIII)

QUESTION 21:

Can the Crown please confirm if proponents are permitted to supply a different server configuration than the one described in the tender? For example, are proponents permitted to increase the capacity of storage servers but decrease the number of storage devices required? This would result in less rack space and fewer network connections required but would still maintain the storage capacity and redundancy as prescribed by the tender.

ANSWER 21:

Yes. Rack space is not a so important key driver. There are obviously several possible architectures. The number of recording servers can be reduced up to two, if you want. However, such solution convergences toward a single point of failure architecture requiring high recording throughput constraints on the server(s). In addition, the failover recording server must be resized (increased) with regard to the new architecture proposed.

In conclusion, it is up to the Bidder to demonstrate not only by confirming but by providing appropriate documentation, that its proposed architecture meets the overall expected performances, including progressive scalability of the CCTV system with no risks to the system availability and its performance.

QUESTION 22:

Can the Crown please confirm if proponents are required to supply and install the cooling system for the Server Room?

ANSWER 22:

No, the Contractor is not required to supply and install the cooling system. It is already installed.

QUESTION 23:

Some of the recommended camera models have been discontinued and in at least one instance, the replacement model does not meet the minimum specifications listed in the tender documents. Will the Crown be providing revised documents with updated recommended camera models?

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

ANSWER 23:

Answer provided in question 20 of this amendment.

QUESTION 24

Can the Crown please extend the tender closing date for a duration of two (2) weeks to accommodate answers for questions and subsequent follow-up questions that arise?

ANSWER 24:

Please refer to the RFP Amendment 001, in C) The closing date of the RFP is extended to October 25, 2018 @ 2:00 PM Eastern Daylight Time (EDT)

QUESTION 25:

The example provided in the Switch Specifications tables is the HPE OfficeConnect 1920 series switch. However, the 48-port version of the HPE OfficeConnect 1920 switch only supports one power supply at 370W. If 48 PoE (or PoE+) devices are connected to the switch, it would only provide 7.7W per port.

Does CBSA require 30W per port on all ports? Given the potential for future growth, it might be best to provide future specs to ensure the proper switch is configured.

ANSWER 25:

The HP 1920 switch model has been proposed with regard to the original suggested cameras. As some of these suggested cameras are discontinued (See question 20), the power need could be reevaluated in order to ensure an appropriate power distribution through the different ports. 1000W with the HP3800 series is a good candidate as it is also compliant with the other requirements.

QUESTION 26:

The HPE OfficeConnect 1920 series switches do not support stacking natively (VRF or backplane). Given the location and CBSA mandate, does CBSA require stacking capabilities for the Main Switch Solution?

ANSWER 26:

Stacking capability is not required for the secondary (edge) Switch Solution as we prefer star connection to the main server room. If for the Main switch solution more than 48 port are needed, we can use either stackable switches or core switches as well. HP3800 series could be a good candidate as it complies with all the requirements and has also stacking capabilities.

QUESTION 27:

Who is the systems integrator currently supporting the security systems and associated equipment related to this solicitation at Jean Lesage International Airport?

ANSWER 27:

The information requested is not relevant to propose a bid on this RFP. This information may be provided to the selected Contractor upon contract award.

B) To make the following revision to pages 19 to 46 of the RFP document as follows:

DELETE page header:

Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043

Amd. No. - N° de la modif.
002
File No. - N° du dossier
hn467.47419-189043

Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME

*Solicitation No. - N° de l'invitation
21120-185773/A
Client Ref. No. - N° de réf. du client
21120-185773*

*Amd. No. - N° de la modif.
File No. - N° du dossier
hn467.21120-185773*

*Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME*

REPLACE with the following:

*Solicitation No. - N° de l'invitation
47419-189043/A
Client Ref. No. - N° de réf. du client
47419-189043*

*Amd. No. - N° de la modif.
File No. - N° du dossier
hn467.47419-189043*

*Buyer ID - Id de l'acheteur
hn467
CCC No. /N° CCC - FMS No. /N° VME*

NOTE: No changes required to the French version.

ALL OTHER TERMS AND CONDITIONS OF THE BID SOLICITATION REMAIN UNCHANGED