



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

There is a security requirement associated with this procurement.

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division
L'Esplanade Laurier
East Tower, 4th floor,
Ottawa
Ontario
K1A 0S5

Title - Sujet CCG Atlantic Hdqtrs Audio/Video	
Solicitation No. - N° de l'invitation F6879-196003/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client F6879-196003	Date 2019-08-02
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-331-77468	
File No. - N° de dossier hn331.F6879-196003	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-08-14	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Turner, Louie	Buyer Id - Id de l'acheteur hn331
Telephone No. - N° de téléphone (613) 297-3769 ()	FAX No. - N° de FAX () -
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

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Amendment # 4 is being issued to publish the English Q & A that was omitted in amendment # 3 and respond to Bidder's Questions as follows:

Question # 1

For Briefing room 413, the diagrams has 3 – HD-TXC-101-C-E but the equipment list says 2, which is correct?

Answer#1

The equipment list is correct with QTY 2. Please see the included revised AV drawing package.

Question # 2

For Briefing room 413, the diagram shows 2 PTZ-IP cameras, but the list of equipment has 2 QSC PTZ-IP, but also shows in the Owner furnished equipment SpeakerTrack 60 camera, which camera are being used?

Answer#2

The owner will be furnishing a SpeakerTrack camera for the south wall. A single QSC PTZ-IP camera is required in Rm 413 for the west wall. Also, please see the included revised AV drawing package.

Question # 3

For AOC Room 405, the diagram shows two HDMI connections on the table, but the description says one table connection, please verify number.

Answer#3

One (1) HDMI connection at the table is required.

REDUCE: the QTY of DM-NVX-350 from QTY 2 to QTY 1.

ADD: QTY 1 of CRESTRON DM-TX-4KZ-202-C.

ADD: QTY 1 of CRESTRON PW-4830DUS.

Please see the included revised Appendix "E" AV drawing package.

Question # 4

On the site visit, they mentioned the main rack in the telecom room 478, needed to be able to pull out in the hallway, does the rack require castors to move it?

Answer#4

Yes, the rack must be on castors. There is a castor base specified in the equipment list.

Question # 5

For AOC Room 405, the description says there is a owner furnished computer, but there is none on the diagram, please confirm which is correct.

Answer#5

The owner furnished PC is shown on revised drawing AV-07 indicated as DEDICATED PC (located in the MILLWORK).

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Question #6

PDF Page 86 – Drawings Page AV-04 Schematic Station 1 identifies that Dedicated PC 1 HDMI 1 and 2 both connect to IP ENC/DEC 2 and the first USB connects to IP ENC 3 cable# 008 HDMI input. Are we to provide a USB – HDMI converter/adaptor or is this an error on the drawing?

Answer #6

Please see the included revised Appendix “E” AV drawing package.

Question #7

PDF Page 86 – Drawings Page AV-04 Schematic Station 1 identifies Keyboard/Mouse 1 connected from IP ENC/DEC 1 IR2. Should this revised to connect to USB routing?

Answer #7

Please see the included revised Appendix “E” AV drawing package.

Question #8

PDF Page 86-87 – Drawings Page AV-04 – Please indicate which station is classified as “Operator Station”

Answer #8

The Clickshare unit and associated encoder devices shall be located at Operator Station 8.

Question #9

Drawing Page AV-05 identifies that the RS-232 connection from a DM-NVX-350 to the UN551S video wall display is from RJ45 CONSOLE Serial to the RS-232 port on a display. The Console Serial is for setup use only on the DM-NVX-350 and therefore should the connection be revised to connect from “COM”?

Answer #9

Please see the included revised Appendix “E” AV drawing package.

Question #10

Type 3 Room Bill of Materials contains two NVX-350's however the functional description is indicative of only one NVX-350 required to deliver complete system functionality. “The system will allow for presentation of any connected source device within the AC Rm on any connected system display device (AC Room displays). The video distribution system in the ROC and Briefing Room can send (1) video feed to the Type 3 – AC Room for display on the AC Room system.” Further to this, in the functional diagram the Table indicates that an NVX-350 connect the table monument to the Matrix switcher on HDMI 1, however this does not permit extended length HDMI connections over traditional DM and given the conduit layouts, this may be a requirement. Should one NVX-350 be removed and replaced with a DM-TX-4K-202-C and the functional diagram revised to show connection of the DM-TX-4K-202-C to the DM 1 of the DMP5-4k-350-C, while the 2nd NVX-350 be relocated to the equipment rack to receive 1 video feed from the ROC and Briefing Room video distribution systems?

Answer #10

Please see the response on Q/A item #5.

Question #11

Type 2 Room functional diagram indicates two HDMI connections from VC Camera 1 (under dual 65" displays), which is indicative of a Cisco Speaker Track Camera, which the Bill Of materials Owner Furnished equipment indicates as one of the supplied items. The Bill of Materials also suggests that two QSC PTZ Cameras be supplied. Is the system to use a Speaker Track Camera solution under the South Wall Dual Displays and a QSC Camera under the West Wall Triple displays? The functional diagram also lists three HD-TXC-101-C-E transmitters while the Bill of Materials lists only two required. Which one is correct?

Answer #11

Please see the response on Q/A items #1 and #2.

Question #12

The specifications call for a 40G link between the four switches. The specification calls for the ability for any connected source to be viewable on any connected display with many devices being both encoders and decoders. The bandwidth can be reduced to 350Mbps to meet the spec and still maintain 4K60 however not desirable as it may impede image quality. Can you supply a minimum required bandwidth specification for DM-NVX distribution and furthermore can you confirm that 40GB transport between switches is sufficient?

Answer #12

By strategically connecting the source encoders and sync decoders across the ethernet switches based on the direction of IP video flow, full AV over IP bandwidth can be maintained without network blocking using the specified equipment. Drawing AV-08 demonstrates a non-blocking connection scheme.

Question #13

With NVX Director, when you have a device working as a transmitter or a receiver (flipping modes) it does not work as you would expect. Are the NVX-350 units at the workstations connected to Monitor 1 required to serve as both a video Transmitter for distribution of the connected room PC video to the system and a video receiver for control and duplication of either dedicated room PC? Switching TX/RX modes in the 350 can be up to a 2 minute reboot.

Answer #13

The NVX-350 units connected to the User PC's at the Operator Stations are to be used in ENCODER mode only. The HDMI output to the local desktop monitor is to be used as local display of the local User PC's HDMI output 1 only.

Question #14

There are 2 aux outputs from the DMPS3-4K-350 but only 2 mono outputs from the DSP. What is the purpose of the dual Aux outputs? Will they be available during testing and commissioning for troubleshooting?

Answer #14

The 2 aux outputs from the DMPS3-4K-350-C are to facilitate program audio from the left and right displays. The program audio from the selected left and right displays shall mixed within the DSP for reproduction in room and sent to the VTC codec.

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Question #15

Can the codec's dial external numbers for calibrated test calls?

Answer #15

Yes, the VTC codecs will be connected and registered with SSC's VTC service. The client and SSC will provide the network and registration details for configuration within the VTC codecs by SSC with the AV contractor providing local support for testing.

Question #16

Will the audio visual network be connected to the client's network or will the Crestron system be considered stand-alone?

Answer #16

The AV network will not be connected to the client's network. The Barco Clickshare wireless presentation devices will not be connected to the client's network.

Question #17

Type 4 Telecom Room Bill of Materials specifies a Cisco CTS-SX80-IPST60-K9 under Video Collaboration System and another Cisco SX80 Under "Owner Furnished Equipment". The functional Diagram is suggestive of SX80 Codec 1 servicing the ROC Room and SX80 Codec 2 servicing the Briefing Room while the AOC room has an SX80 Codec co-located with the Credenza in the room. In short, the tender indicates 3 customer owned SX80 codecs and a requirement for the AV contractor to supply an additional SX80 codec. Unless a spare codec is desired, given the 3 customer owned codecs and 3 rooms, there isn't a need for the 4th? Please confirm.

Answer #17

The owner will be furnishing (2) CTS-SX80ST60-K9 kits; (1) for the Briefing Room, and (1) for the Briefing Room. The bidder shall include (1) CTS-SX80ST60-K9 kit in their bid pricing for the ROC Room.

Question #18

Are signal flow schematics required for bid submission?

Answer #18

Signal flow schematics are not required for bid submission unless a bidder is proposing alternate equipment that would differ in general signal flow or connectivity.

Question #19

During the site visit on July 24th, the Type 4 Telecom Room was shown to us as being room 471A (Data/Closet), however in the Tender Package it references 478 as the Type 4 Telecom Room. Which Data room are we required to use?

Answer #19

Room 471 is the correct space for Type 4 Telecom Room. Please see the included revised Appendix "E" AV drawing package.

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Question #20

Will the supplied USB Keyboard/mouse be a combo so that the USB is combined for and contains both keyboard and mouse? The Crestron DM-NVX-350 only has one available USB port for Devices.

Answer #20

Yes, the Keyboard/mouse will connect to the DM-NVX-350 units using a single USB connection.

Question #21

On the site visit, they mentioned the main rack in the telecom room 478, needed to be able to pull out in the hallway, do you require a detail procedure listed for this and does this required to be "pulled" completely into the hallway?

Answer #21

All cabling in/out of the equipment shall have a service loop long enough to allow the equipment rack to be pulled out of the Telecom Room into the hallway for servicing. The service loop shall be dressed in such a way to not be run over or bind on the equipment rack's castors. Multiple cable bundles to the equipment rack are acceptable. Bundles do not need to be nylon wrapped. All bundles must be wrapped using hook and loop cable ties spaced a maximum of every 150mm. The low voltage cabling in/out of the equipment rack shall dress directly from the building into the equipment rack without disconnection points.

Question #22

Please confirm exact security forms requirements and exact location to get these.

Answer #22

Please refer to clause 6.1 Security Requirements for complete listing. Valid Designated Organization Screening (DOS) required. Reliability Status required.
Part 1 – General Information – 1.1 Security Requirements of the tender document includes website for security forms.

Question #23

Parking: Please confirm we will have 3 x spaces available during the installation. Vehicles may consist of a 30' cargo trailer or a 26' 5 Ton Truck? Would these have to be moved or can they stay in the same location?

Answer #23

CCG will ensure ample space is provided for vehicles during the installation.

Question #24

Please indicate location and quantity of end user provided computers. We do not see these on any diagrams, but are listed in your descriptions.

Answer #24

Type 1 ROC room: the owner furnished PCs are shown on drawings AV-04 and AV-05 indicated as DEDICATED PC (located in Station 1) and USER PC (located in Stations 1 to 9).
Type 2 Briefing room: the owner furnished PC is shown on drawing AV-06 indicated as DEDICATED PC (located in the MILLWORK).

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Type 3 AOC room: the owner furnished PC is shown on revised drawing AV-07 indicated as DEDICATED PC (located in the MILLWORK).

Question #25

In room 413, we have confusion over PTZ cameras. Are you using SpeakerTrack 60 cameras or OSC PTZ-ip units.

Answer #25

Please see the response on Q/A item #1.

Question #26

Based on the complexity of this design, errors discovered we believe the deadline for questions is too close as well as the closing date. Will there be an extension granted?

Answer #26

Amendment 002 issued, the tender closing has been extended to August 14, 2019.

Question #27

Please confirm per our verbal discussion, rooms will be booked for installation, except for minimal emergency cases. As indicated by the operator, these are frequent. Please clearly state rules regarding this.

Answer #27

The Briefing Room and the AC Boardroom will be reserved for the successful vendor for the duration of the installation.

Question #28

Please clearly state the verbal discussion around operations room being used from September 15th onward and the impact on our installation schedule.

Answer #28

The MRSC portion of the area may be occupied from September 15th onward. In the event of a SAR incident the vendor may be require to modify or cease installation activities.

Question #29

Please confirm we have 24/7 access to site for installations and related work.

Answer #29

Vendor will have 24/7 access to the site.

Question #30

For the maintenance related section, what is the minimum response required for service from time of call?

Answer #30

Response time for Warranty service work shall be no longer than the next business day from date of request for service.

Response time (call back) for warranty service no longer than 4 hours from time of request for servicing.

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Question #31

Is the bidder required to be COR certified?

Answer #31

No, COR certification is not required.

Question #32

Will the elevator be operation during the installation time and will there be any restricted access?

Answer #32

Freight elevator is now operational, vender will be required to schedule elevator access.

All other terms and conditions remain the same.