

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. W56HZV-11-D-L509	2. DELIVERY ORDER/ CALL NO. 0030	3. DATE OF ORDER/CALL (YYYYMMDD) 2014 Sep 26	4. REQ./ PURCH. REQUEST NO. 0010588251-0001	5. PRIORITY
---	-------------------------------------	--	--	-------------

6. ISSUED BY INSTAL & VEHICLE SUP CONTRACTING DIV 6501 E. 11 MILE ROAD WARREN MI 48397-5000	CODE W56HZV	7. ADMINISTERED BY (if other than 6) INSTAL & VEHICLE SUP CONTRACTING DIV KAREN L KENNEDY CCTA-HDC-A/MS350 KAREN.L.KENNEDY26.CIV@MAIL.MIL WARREN MI 48397-5000	CODE W56HZV	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER  (See Schedule if other)
--	----------------	---	----------------	---

9. CONTRACTOR ALLIANCE TECHNOLOGY SOLUTIONS, L.L.C. NAME MARGIE CARLSON AND 40 ENGELWOOD DR STE H ADDRESS LAKE ORION MI 48359-2419	CODE 3HRW8	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>	11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input checked="" type="checkbox"/> SMALL DISADVANTAGED <input checked="" type="checkbox"/> WOMEN-OWNED
			12. DISCOUNT TERMS Net 14 Days	
13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15				

14. SHIP TO SFAE-GCS- KIMBERLY H. MASYRA KIMBERLY H. MASYRA SFAE-GCS-C/ MS 505 KIMBERLY.H.MASYRA@US.ARMY.MIL WARREN MI 48397-5000	CODE W56TRU	15. PAYMENT WILL BE MADE BY DFAS-INDY VP GFEB5 8899 E 56TH STREET INDIANAPOLIS IN 46249-3800	CODE HQ0490	<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>
---	----------------	---	----------------	--

16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

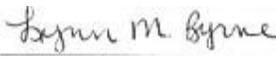
ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
<input checked="" type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies: <b>1</b>			

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

**See Schedule**

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
<b>SEE SCHEDULE</b>					

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: 586-282-6553 EMAIL: lynn.m.byrne.civ@mail.mil BY: LYNN M. BYRNE		25. TOTAL	\$84,582.00
			26. DIFFERENCES	

27a. QUANTITY IN COLUMN 20 HAS BEEN

INSPECTED     RECEIVED     ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY

<b>36. I certify this account is correct and proper for payment.</b>			
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		
		<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER
			35. BILL OF LADING NO.

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	---------------------------------	----------------------	---------------------	---------------------

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001		1	Each	\$84,582.00	\$84,582.00

VTC Integration AMPV Lopez Conference Rm  
FFP

Video Teleconference (VTC) Equipment Integration, AMPV Lopez Conference Room 1C202C, Bldg 229, 1st Floor, 6501 East 11 Mile Road, Warren, MI 48097-5000

Reference Quotation: 10588251, dated: 09/16/2014

The contractor shall provide the necessary services and supplies to integrate audio visual (A/V) equipment and/or video teleconference equipment (VTC) for AMPV at Lopez Conference Room 1C202C, Bldg 229, 1st Floor, 6501 East 11 Mile Road, Warren, MI 48097-5000. Work to be performed shall be IAW the Performance Work Statement (PWS).

SHIP ALL DELIVERABLES TO:

Detroit Arsenal  
Central Receiving Dock, Bldg 249  
ATTN: Kimberly Masyra / 586-282-6775  
6501 E. 11 Mile Rd.  
Warren, MI 48397-5000  
kimberly.h.masyra.civ@mail.mil  
PEO-GCS / Bldg. 229

PLACE OF PERFORMANCE:

Detroit Arsenal  
ATTN: Kimberly Masyra / 586-282-6775  
6501 E. 11 Mile Rd.  
Warren, MI 48397-5000  
kimberly.h.masyra.civ@mail.mil  
PEO-GCS / Bldg. 229

DELIVERIES WILL NOT BE ACCEPTED AFTER 3:30PM

SHIPPING IS INCLUDED IN COST

MARK FOR: W56HZV-11-D-L509-0030

EXPEDITED DELIVERABLES ARE ACCEPTABLE AT NO ADDITIONAL COST TO THE GOVERNMENT.

FOR INVOICING INSTRUCTIONS, SEE CLAUSE: 52.232-4007 WIDE AREA WORKFLOW.

FOB: Destination

PURCHASE REQUEST NUMBER: 0010588251-0001

---

NET AMT	\$84,582.00
---------	-------------

ACRN AA	\$84,582.00
CIN: GFEB001058825100001	



## Section C - Descriptions and Specifications

TASK ORDER 0030

**U.S. ARMY TACOM Life Cycle Management Command  
Program Executive Office-Ground Combat System (PEO-GCS)  
INFORMATION TECHNOLOGY TASK ORDER**

TASK ORDER NO.: 0030	CLIN:	REV.: N/A	DATE:
CONTRACT NO.: W56HZV-11-D-L509-0030	CONTRACT REFERENCE: W56HZV-11-D-L509-0030		
CONTRACTOR: Alliance Technology Solutions			
PROJECT TITLE: Video Teleconference (VTC) Equipment Integration, AMPV Lopez Conference Room 1C202C, Bldg 229, 1 <sup>st</sup> Floor, 6501 East 11 Mile Road, Warren, MI 48097-5000			
START DATE: September 26, 2014		COMPLETION DATE: November 25, 2014	

COR: Kimberly Masyra / 586-282-6775; email [kimberly.h.masyra.civ@mail.mil](mailto:kimberly.h.masyra.civ@mail.mil)

Alt. COR: Joseph Cavanagh / 586-282-2388; [joseph.d.cavanagh.civ@mail.mil](mailto:joseph.d.cavanagh.civ@mail.mil)

Period of Performance (POP): 2 months

**\*\*\*If Applicable: Substitutions of equipment, software, instructions, or objectives listed in the Task Orders are not acceptable and shall not be used.\*\*\***

**Objective:**

**Program Executive Office Ground Combat System (PEO-GCS)** has the task to provide Armored Multi-Purpose Vehicle (AMPV) a Video Conferencing (VTC) systems and customized audio visual systems for the AMPV Lopez Conference Room. This effort will allow for easier integration, maintenance and life cycle upgrades of outdated equipment. Continuity of Conference Rooms and VTC systems across the user community will allow for more efficient communication and information sharing due to system compatibility in preparation of the "analog sunset". The AMPV Lopez Conference Room is located at US Army Life Cycle Management Command (TACOM) Warren, MI 48397-5000, Bldg 229, 1<sup>st</sup> Floor, Room 1C202C.

**Description of Effort:**

Under this task order, the contractor shall provide telecommunications equipment (materials) and integration labor for VTC systems for the AMPV Lopez Conference Room 1C202C, Building 229, 1<sup>st</sup> Floor, 6501 East 11 Mile Road, Warren, MI 48097-5000. The Contractor shall provide telecommunications design, equipment, materials, installation, engineering, integration, programming, user training and maintenance in accordance with the Performance Work Statement (PWS). Contractor shall procure and install components listed in Task 1 to integrate and function with existing facilities and fixtures in the room. The component lists will consist of current state of the art equipment that would be part of any standard configuration for VTC systems. The Contractor shall provide the AMPV, Lopez Conference Room with telecommunications materials and integration in accordance with the objective and effort described in this task order.

This quote shall include the removal of the existing CODEC, the installation of the new VTC Codec, New Camera, and any/all corresponding parts, wires, connectors, adapters, converters, microphones, mixers, miscellaneous parts or anything else necessary to incorporate a working VTC Suite to the new touch panel control systems (where present).

The Contractor shall provide the necessary supervision, design and engineering, programming, system integration, installation, materials (mounting hardware, cables, connectors, adapters, etc.), equipment and software/firmware, warranty, support, documentation, design-build, and schematics, and transportation in support of the scope of work. It is the Contractor's responsibility to propose any and all items required for a complete and operational system.

Additional components otherwise not listed shall be determined by the Contractor upon evaluation of the room during the walk thru.

## C1. SUMMARY OF REQUIRED SERVICES

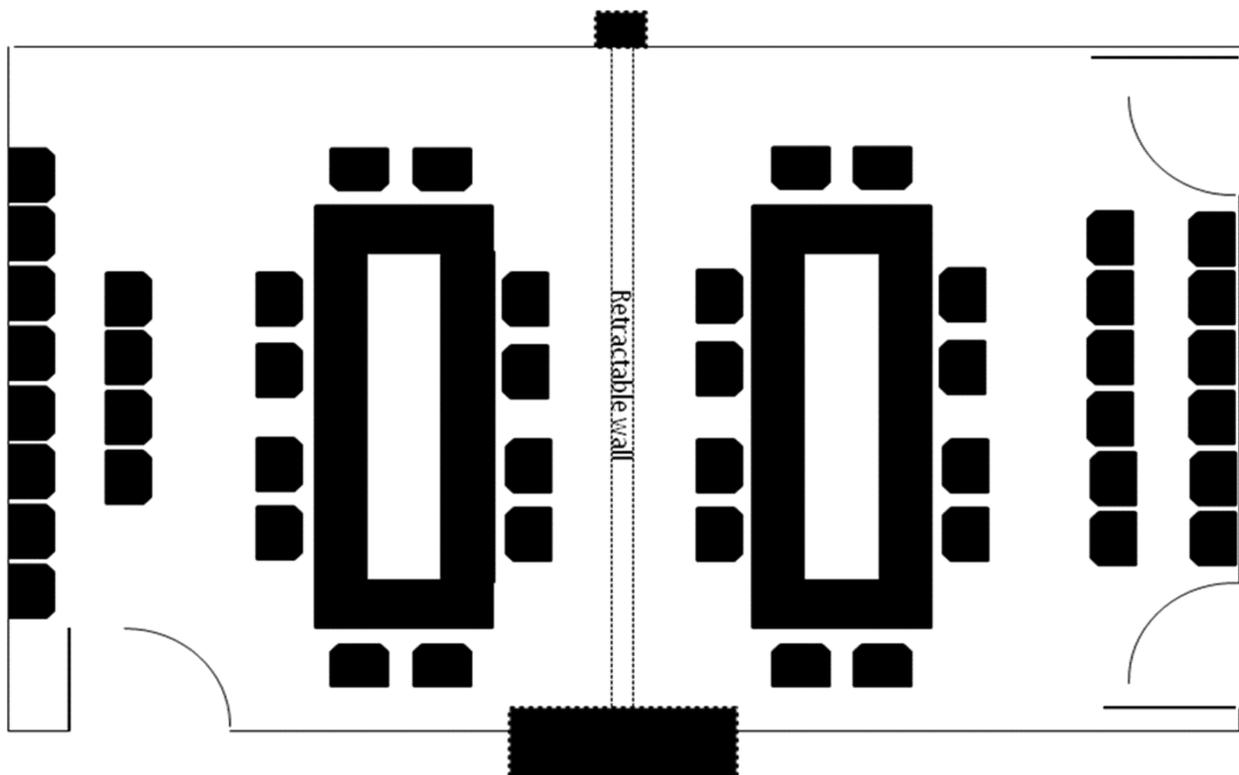
### Task 1 - Building 229, First Floor, Room 1C202C, AMPV Lopez Conference Room.

#### 1.1 Description of Location

1.1.1 Under this task, the Contractor shall provide telecommunications equipment (materials) and integration labor for VTC systems for the AMPV Lopez Conference Room 1C202C, Building 229, 1<sup>st</sup> Floor.

#### 1.1.2 Conceptual Drawing for Design Objectives

This task order contains a conceptual drawing. This drawing intentionally leaves out complete details. Though not straying in any way from the details within the task order, this room will be visited during the walk-thru. This drawing has been left intentionally blank so that each contractor can sketch his/her ideas while surveying the room during the walk-thru.



Not to scale

**1.1.3 An equipment/parts list is listed below:**

**AMPV Lopez Conference Room, 1C202C, Building 229, 1<sup>st</sup> Floor, 6501 East 11 Mile Road, Warren MI 48097-5000.**

**– Materials List**

Qty	Description	Model
	<b>Display Equipment</b>	
2	Sharp 90" diag LED Display w LED lighting	
3	3 year warranty for Sharp 90/60" LCD Display	
3	Ceiling Mounts for 90 and 60" LCD displays	
1	Sharp 60" diag LED Display w LED lighting	
	<b>Telecommunications Equipment</b>	
1	Crestron DMPS-300 Digital Media Presentation System	
1	Crestron TPMC-15 Touchpanel (hard wired)	
2	Crestron DM-TX-201-C DM 8G+ Tansmitter	
2	Crestron DM-RMC-SCALER-C DM 8G+ Reciever	
4	Crestron FSDI-8 8" Drop-In Ceiling Speakers - Pair	
1	Crestron CEN-SWPOE-5 5-Port POE Switch	
2	Cestron Multimedia pop-ups with Keypad	
1	Polycom HDX 8000-1080 w/ EagleEye HD Camera, STIG'd for IP/ISDN	
1	Polycom Eagle Eye HD Camera - additional camera	
1	HDX8000 1-Year Warranty	
1	Soundstructure 16 System w/TEL1 card and 1-Year Warranty	
8	Polycom (or equal quality) Ceiling Microphones	
1	Polycom Quad BRI Module	
2	EagleEye HD Camera Wall Mount	
1	Under carpet floor track for Electrical/LAN/HDMI cabling and connections	

1	Extron, 4 Gang white wallplate accepts 8 AAP spaces	
3	Extron, 2 space AAP w Dual R&45 Pass Thrus	
1	Extron, 4 pole speakon Connector for speaker connection.	
1	Extron, RGB-HDMI300A Vga to HDMI w embedded audio. MD# 60-1074-01	
4	Extron, Audio De Emedder for Polycom and amplif. MD# 60-1075-0	
4	CTG, 9.8' HDMI cables. MD#40316	
4	Extron, 12' VGA w audio Cables. MD#25-566-03	

1.1.4.4 Sample Material List For Similar Install (For Reference Only), PEO GCS Abrams Executive conference room, Bldg 229 4<sup>th</sup> floor and adhere to the materials list in the execution of this task order. Materials is this list Do Not apply to this task order.

(2) Sharp LC-90LE745U - 90" LCD display

3 Year Warranty for Sharp 90" LCD

(2) Chief Wall Mount for Flat Panel

**Support Equipment**

SoundStructure C16 - Sixteen-channel AEC / Noise canceller /

SoundStructure TEL1 - single-line PSTN interface

Walta (codec side) to RJ-45F Adapter Cable

Premier, One Year, SoundStructure C16 Series

(2) Kramer Electronics VP-434 - HDMI Scaler

Kramer RK-1 - Rack Mount Kit for Kramer Product

Shure CVO-W/C - Centravese Overhead Condenser Mic - White

Beyerdynamic BM32W - Low Profile Boundary Mic

Radio Design Labs RU-MX4 - 4 Input Mic/Line Mixer

Radio Design Labs PS24AS - Power Supply

Radio Design Labs RURA3 - Rack Mount Kit

(3)Extron HDMI Micro Series - 3' MicroDigital Ultra Flexible HDMI cable

**Control Equipment**

Crestron AV2 - Economical Dual Bus Control System

Crestron C2ENET-1 - Single Port Ethernet Card

Crestron TPMC-V12 - V-Panel Integrated 12" HD Touch Screen

Crestron TPMC-V-IMCW - Interface Module for TPMC-V Panel

Crestron PW-2420RU - Regulated Universal Power Pack

Crestron TPMC-V-CBL-S - 6' V-Cable Siamese Cable

Crestron WMKT-V12 - Post Construction Mounting Kit w/Trim Ring

**Equipment**

Tripp Lite SMART1500LCD - UPS System

Power Conditioner

**1.1.5 Task 1: Equipment Installation**

The Contractor shall replace the OFE Polycom VTC system with a new Polycom VTC system and implement necessary DoD STIG requirements for IP and ISDN capability. The Contractor shall replace the OFE Touch Panel in the AMPV Lopez Conference Room with a new hard wired touch panel unit and install new ceiling microphone array and audio speakers. The Contractor shall install two (2) 90" LED panels with ceiling mounts located on either side of the room divider of the AMPV Lopez Conference Room and install a new 60" LED Display in the SW corner that will be ceiling mounted. The Contractor shall procure and install components to integrate similar to the PEO GCS Abrams Executive conference room, Bldg 229 4<sup>th</sup> floor and adhere to the materials list in the execution of this task order. The components will consist of current state of the art equipment that would be part of any standard configuration for the AMPV Lopez Conference Room. The Contractor shall provide AMPV Lopez Conference Room with materials and integration in accordance with the objective and effort described in this task order. The Contractor shall proceed with any alternate component(s) only after approval from the COR. The Contractor shall coordinate scheduling with the government and commence installation activities at the AMPV Lopez Conference Room, US Army Life Cycle Management Command (TACOM) Warren, MI 48397-5000, Bldg 229, 1st Floor, within 15 days of task order award.

**1.1.6 Task 2: Video Teleconference**

The Contractor shall replace the OFE Polycom VSX VTC system with a new Polycom HDX video teleconference system with two (2) Eagle eye cameras to encompass full room view far and near in the AMPV Lopez Conference Room. The Contractor shall program the VTC system to necessary DoD STIG requirements for IP and ISDN capability. The Contractor shall program all new equipment that require control updates.

**1.1.7 Task 3: Control Touch Panel**

The Contractor shall replace the OFE touch panel with a new Crestron digital interface touch panel, with Gui interface and programming similar to the PEO GCS Abrams Executive Conference Room, Bldg 229 4<sup>th</sup> floor. The touch panel should be hard wired and mounted to a fixed location. The Contractor shall program all new equipment that require control updates.

**1.1.8 Task 4: Video**

Two (2) 90" LED Display panels with ceiling mounts located on either side of the room divider of the AMPV Lopez Conference Room and install a one (1) 60" LED Display panel in the SW corner that will be ceiling mounted. The connectivity to the displays will remain similar to the PEO GCS Abrams Executive Conference Room, Bldg 229 4<sup>th</sup> floor. The cables will be extended from the A/V rack to the new displays. Each display input will have a HC Scaler connected in line to convert any analog signals to the HDMI prior to being shown on the screen.

**1.1.9 Task 5: Audio**

The Contractor shall install new Polycom or equivalent microphone array on both sides of the wall room divider. The Contractor shall arrange the placement of the microphones to accommodate the current seating layout. The Contractor will program the microphone array so the microphones can be independently adjusted or muted from the touch panel, when the room is divided. The Contractor shall install and arrange the audio speakers to accommodate the current seating layout and the speakers should also be programmed to be adjusted for when the room is divided.

**1.1.10 Task 6: Headend/Rack**

The Contractor shall install all necessary A/V equipment into a new A/V rack to be located in the SW corner of the AMPV Lopez Conference Room. The Contractor shall install computer input Pods on the existing table furniture for computer projection. Each computer input Pod will have VGA\Audio and HDMI inputs Slave/master switching will need to be determined to provide independent projection on any LED screen.

**1.1.11 Task 7: Troubleshooting**

The Contractor shall troubleshoot the system to ensure all components are functioning correctly. The Government will provide the ceiling tiles to the Contractor in the event the existing microphone placement will not facilitate the new holes that are required. The Government will provide power/LAN/ISDN on the South wall at the installation

points for all displays/ AV rack/floor raceway. The power should be a one gang 120v, 20 amp outlet per screen/AV rack/floor raceway located in the South wall for placement.

### 1.1.12 Task 8: Cabling

The Contractor shall install above carpet raised rubber floor raceways for all cabling that will run from the South wall to all components and furniture requiring LAN and A/V interface.

Video Teleconference (VTC) Equipment Integration, AMPV Lopez Conference Room 1C202C, Bldg 229, 1<sup>st</sup> Floor, 6501 East 11 Mile Road, Warren, MI 48097-5000

Line	Qty	Manuf.	Part Number	Description
1	20			Systems Engineering
2	4			Project Management
3	32			Programming
4	45			Installation / Labor
5	1			As Built Drawing
6				Freight
				Displays
7	2	SHARP	LC-90LE657U	90" Sharp LED LCD Display – 1080P, Active 3D, LAN
8	1	SHARP	LC-60LE650U	60" Sharp LED LCD Display, LED edge lit 1920x1080
9	2	SHARP	GS-TV2-10000	Sharp 90" Display 3 Yr Warranty
10	1	SHARP	GS-TV2-1500	Sharp 60" Display 3 Yr Warranty
11	3	CHIEF	XCM1U	X-Large FUSION flat panel ceiling mount
12	3	CHIEF	CMA100	8" Ceiling plate with adjustable 1.5" NPT column, black
13	3	CHIEF	FCA540	FUSION PWR OUTLET ACCESSORY
				Audio System
14	4	CLEARONE	910-001-013-W	Ceiling Microphone Array Kit, White –Triple Element
15	4	EXTRON	FF 220T	FF 220T Ceiling Speaker – 2x2 Drop-InSold in Pairs
16	1	BIAMP	TESIRA EX-IN	Tesira 4 channel mic/line input expander PoE+
17	1	BIAMP	TESIRAFORTE AVB TI	Tesira FORTE DSP fixed I/O server
18	1	CROWN	DCI 2-300	DriveCore Install Series Amplifier – 2 Channel, 300W/ch
19	1	BIAMP	PH POE36U-1AT- R	PHIHONG gigabit Power over Ethernet plus injector
				AV Infrastructure
20	1	CRESTRON	DMPS-300-C	DigitalMedia Presentation System 300
21	1	CRESTRON	PW-4818DU	48V Power Pack for PoDM
22	2	CRESTRON	DM-TX-201-C	DigitalMedia 8G+ Transmitter 201-HDMI-VGA-Audio-USB
23	2	CRESTRON	DM-RMC- SCALER-C	DigitalMedia 8G+ Receiver & Room Controller w/ Scaler
24	1	CRESTRON	HD-SCALER	HD HDMI Video Scaler
25	1	CRESTRON	HD-EXT4-C- B_SYSTEM	HDMI over HDBaseT Extender w/Analog Audio
				Control System

26	1	TRENDNET	TPE-S44	8 Port POE Ethernet Switch. 4 POE+ Ports
27	1	CRESTRON	TSW-1050-B-S	Touch Screen, Black Smooth
28	1	CRESTRON	TSW-1050-TTK-B-S	TableTop Kit for TSW-1050, Black Smooth
29	1	IGI	IGI-ROOM SENSOR	Room Partition Sensor for automatic Room division
30	1	CRESTRON	GLS-SIM	Green Light Sensor Integration Module
				Video Conferencing
31	1	POLYCOM	HDX 8000-1080	HDX 8000-1080 HD codec, HD camera and Mic array
32	1	POLYCOM	EAGLEEYE 3 CAMERA	EagleEye III HD Camera
33	2	POLYCOM	AUX Power Supply	Auxiliary power supply for EagleEye HD Cameras
34	1	POLYCOM	EAGLE EYE Shelf	Mounting bracket solution for EagleEye Camera
35	1	POLYCOM	2215-26690-001	Quad BRI Module for HDX8000 codecs
36	1	GPNP	NT-512	NT512
37	1	POLYCOM	3YR Premier Support	Premier, Three Year, HDX 8000 Series Support
				Rack Equipment
38	1	MID ATL	BGR-19SA27MDK-DS	19U rolling steel rack with DarkStone color top
39	1	TRIPP LITE	SMART1500LCD	Smart LCD 1500VA 2U Rack mount 120V UPS
40				Miscellaneous Installation Hardware and Materials

## 2. Standardization

2.1 PEO GCS has chosen Crestron to provide the controller system for all audio visual and conference rooms; this is a substitutable item on the equipment list. The source code for the controller will be provided to the awarded contractor by the Government along with a data map. This code and data map should only be modified to change item call codes, unless directed otherwise by the COR. No changes to format, theme or screen order is allowed unless approved by the COR on this task order. The source code is property of the Government and shall not be used at any non-Government location. The Government requests a copy of the Source Code.

2.2 The Contractor shall procure and install components listed in Task 1 (Material List) to integrate and function with existing facilities, fixtures and furniture in the room. Unless the Contractor can prove by written comparison that an alternative item would provide the same or greater specifications for less cost, the equipment lists are as stated. Since commercially available audio visual equipment changes and improves rapidly, the contractor may find, through market research, that a more suitable, less costly component will satisfy the technical specification of the requirement. When that is the case, the Contractor shall make the recommendation, in writing, to the COR for a material option of, at minimum, an equivalent technical specification and function, to include full documented technical specification comparison and cost disclosure. The Contractor shall proceed with any alternate component(s) only after approval from the COR and Contracting Officer.

2.3 All computers shall be Government furnished.

2.4 All equipment shall be equivalent to commercial grade in order to be optimally controlled by the AV controller. The Government reserves the right to refuse any equipment that is not an equivalent commercial grade.

2.5 Flat panels are not always able to be attached directly to the wall. In the case of rooms where the flat panels are to be placed against walls that are glass, metal, cinder block or other material other than drywall, the flat panels are to be hung from the ceiling using stable ceiling mount brackets. These mounts must be installed such that the flat

panel is as close to the wall as regulations allow in order to reduce safety hazards with the seating along the outside wall.

2.6 All AV controller panels shall be fixed hard wired.

2.6.1 In the AMPV Lopez Conference Room configurations, visitors shall be able to connect at minimum two laptops to the presentation system from the presentation table. VGA is required. A minimum of one VGA and HDMI with audio is required.

2.6.2 The AMPV Lopez Conference Room configurations, network, power cabling, and USB (extended to where the "house" computer will be placed) will also be required at the table, allot space in the cable cubbies as necessary.

### **3. Testing and Adjustment**

3.1 At the completion of an installation the Contractor shall perform functional tests on the system to insure proper installation of any replaced or repaired components. The functional tests shall include operational tests of all program source equipment (record and playback), system inputs and outputs, control programming, IRC interface operation, operational controls, AC power sequencing, and all system electronics. Functional tests include examination for hum, buzz, hiss, oscillation or any other unwanted signals through the system.

### **4. Inspection**

4.1 Upon completion of integration activities, the Government shall have 15 days to inspect and test the equipment and approve installation to the room. If the system is not approved the contractor shall have seven days to address and correct the problem(s). Subsequently, the Government will have seven days to reinspect and approve the work. This process will repeat as necessary until the Government approves the installation.

### **5. Training**

5.1 In accordance with the base contract Performance Work Statement (PWS) at C.3.2, the Contractor shall provide training to a group of no more than six users for up to two hours, within two weeks of approval of the completion of the conference room. The Contractor shall meet with the group in their Telecommunication Conference Room facility and demonstrate the telecommunication system operation to full functionality and answer any questions the group may have as to the operability of the system.

### **6. As-Built Drawings/Diagrams and Programming**

6.1 As-Built Drawings. The Contractor shall provide comprehensive As-Built drawings, diagrams, project plan, wiring schematic, controller source code, test/verification plan, and any other supporting documentation of the installed VTC suite. The As-Built drawings, diagrams, and documentation of installed system(s) must identify Audio and Video input/output routing, Control and Power, along with applicable connector pin-out/s, rack elevation, and room diagrams for historical, accreditation, and troubleshooting purposes. The Contractor shall provide as-built drawings/diagram and system programming (controller source code that was actually used in the AMPV Lopez Conference Room) within 30 days of completion of installation IAWCDRL A001.

### **7. Documentation**

7.1 Property Accountability. Contractor shall provide a listing of Contractor installed equipment/components for property accountability. Listing shall include item description, quantity, model, and serial number of the equipment/component. Contractor shall provide both hard copy and soft copy of inventory. Soft copy can be provided via email to the Government COR using MS Excel 2007 or compatible file. The Contractor shall provide property inventory within 14 days of completion of installation.

7.2 A copy of the manufacturer's cut-sheets, product literature, and warranty information for all components/equipment the Contractor installed, shall be provided to the Government COR. This information may be provided by the Contractor, as electronic files in the Adobe Portable Document Format (PDF) version X or later, to the Government at the time as-built drawings/diagrams and programming are delivered.

7.3 Installation Requirements. The Contractor shall provide a list of all installation requirements for AV rack, power, screen and flat panel installation to include power and installation requirements within 30 days of contract award. All minor building construction needs must be conducted by local Base Operations. This is to include low voltage power installations, 120v and 240v power installations, drywall, painting, patching and lighting. The Government shall coordinate with Base Ops and fund all necessary minor construction in order to install necessary power, patch holes and move/remove lighting as necessary.

7.4 Floor wiring to meeting table and console stations must be run within existing conduits, if available. If an AV wire track is not provided in the room already, one may be required in order to allow for laptop connectivity at both the meeting table and the console station, if separate. All AV tracks must be installed under the carpet and in the least traffic area of the room in order to reduce a trip hazard. Location of AV track shall be approved by the COR prior to installation.

## **8. Meetings**

8.1 The contractor shall facilitate a "Start of Work" meeting in accordance with section C.3.11.1 of the base contract PWS and to ensure the look and feel of the new touch panel meets the standards of the COR. This meeting shall be held once, prior to the start of work and within 15 days of award. The contractor shall prepare an agenda and provide meeting minutes to the COR as part of the first Monthly Contract Progress and Management Report IAW CDRL A001.

## **9. Hours of Operation/Work Hours**

9.1 Installation hours are 0800 – 1600, Monday through Friday and except holidays as referenced in section 8.7 of the base contract.

## **10. Warranty**

10.1 A minimum of one-year warranty shall be provided from the date of acceptance to cover all new Contractor provided equipment and installation related to cabling and physical workmanship.

## **11. System Maintenance**

11.1 In accordance with the base contract PWS at C.3.7, the contractor shall inspect for and provide standard and quarterly preventive maintenance for all material components and system assemblies under this task order for 12 months after task order award. This maintenance shall include: Flat Panel maintenance: flat panel run times, testing all sources and destinations through equipment, realigning images on flat panels, confirming cable connection points, calibrating, testing audio/video quality, firmware/software updates IAW CDRL A002.

If after maintenance of the AMPV Lopez Conference Room, the Contractor reports that a component is not functioning properly or if any parts require replacement, the contractor shall utilize the minimum one (1) year warranty required in section 11 and provide a list of recommended repairs to include replacement material components, labor and associated costs to the COR. The COR shall have 15 days to approve revised parts lists, and costs prior to the execution of those recommended changes, after which time a modification may be executed to this task order. Under no circumstance shall the contractor execute work for repairs which are not approved by the COR and funded under this task order for one (1) year after acceptance.

## **12. Technical Report**

12.1 The contractor shall provide an annual Technical Report which will summarize the progress of the contract over the previous year's period of performance. This Technical Report will include a chronological narrative accounting of all activities (indicating location of each VTC by room name and number) broken down by month and a final status of each task performed during the period of performance. Also included will be items which may have been attachments to monthly reports, and not be limited to any and all drawings, project plans, specifications, notes, minutes and schematics which are critical to the progress of the contract. Contractor shall prepare and submit report within 15 days of last day of period of performance for the year IAW CDRL A002.

## **13. Deliverables**

Any/all components that are specified and delivered but are not directly hard-wired into the A/V system (i.e. accessory cables, pointers, etc.) shall be delivered directly to the Government Contact.

CDRL A001 -- Contractor shall submit Monthly Contract Progress and Management Report as required in C.3.3.1, Design Drawings, Wiring Schematics and Equipment List as required in C.3.4 , System Programming as required in C.3.5.

CDRL A002 -- Contractor shall submit Technical Report as required in C.3.3.2, System Maintenance as required in C.3.7, and System Test Plan as required in C.3.6.3.

Section E - Inspection and Acceptance

**INSPECTION AND ACCEPTANCE TERMS**

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government

## Section F - Deliveries or Performance

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 26-SEP-2014 TO 25-NOV-2014	N/A	SFAE-GCS- KIMBERLY H. MASYRA KIMBERLY H. MASYRA SFAE-GCS-C/ MS 505 KIMBERLY.H.MASYRA@US.ARMY.MIL WARREN MI 48397-5000 586-282-6775 FOB: Destination	W56TRU

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 0212014201420200000443435310    A.0016153.4.3.10    6100.9000021001  
COST CODE: A5XGH  
AMOUNT: \$84,582.00  
CIN GFEBS001058825100001: \$84,582.00

## Section I - Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE

252.232-7003 Electronic Submission of Payment Requests and Receiving JUN 2012  
Reports

## CLAUSES INCORPORATED BY FULL TEXT

52.232-4007  
WIDE AREA WORK FLOW (WAWF), CODES, AND DESIGNATED ACCEPTORS (AUG 2012)

The contractor shall use WAWF to electronically process invoices for payment and receiving reports. The contractor shall register to use WAWF and take the Web-based training at <https://wawf.eb.mil>. Direct any questions relating to the system and vendor training to the Ogden Help Desk at 866-618-5988.

To properly route an invoice and receiving report through WAWF, the contractor shall indicate the following when prompted:

1. Select the appropriate type of invoice as indicated below. **It is imperative that contractors select the proper type of invoice.** Improper selection of an invoice type will result in the delay of a payment or the rejection of an invoice submittal.

           **Invoice and Receiving Report Combo (Supplies)**

Use for contracts that are entirely for supply requirements or for contracts that are predominantly for supply requirements but also includes minimal service line items.

  X   **Invoice 2-in-1 (Services)**

Use for contracts that are entirely for service requirements.

2. Use the following DoDAAC (Department of Defense Activity Address Code) codes when prompted:
  - Your firm's CAGE Code: **3HRW8** (found in Block 15A of SF 33; Block 17a of SF 1449; Block 14 of SF 1442; Block 7 of SF 26)
  - Issue and Admin DoDAAC Code: **W56HZV** (found in Block 7 of SF 33; Block 9 of SF 1449; Block 7 of SF 1442; Block 5 of SF 26)
  - Ship-To DoDAAC Code: **W56TRU** (if deliverables are involved) (found in Section B of the contract where SF 33, SF 1442, or SF 26 is the cover page; Block 15 of SF 1449) (Indicate)
  - Accept-By DoDAAC Code:
  - Payment DoDAAC Code: **HQ0490** (found in Block 25 of SF 33; Block 18a of SF 1449; Block 27 of SF 1442; Block 12 of SF 26)
3. Include the **Purchase Request Number** as specified in each Contract Line Item Number (CLIN). This number can be found at the bottom of the extended description of each CLIN. **NOTE:** The purchase request number may be different for each CLIN.
4. Indicate the proper **Unit of Measure** as specified in each CLIN. Failure to indicate the proper Unit of Measure will lead to vendor pay issues.
5. Indicate the following **Acceptor, Alternate Acceptor, and Contract Specialist** when the WAWF system prompts for "additional e-mail submission" after clicking "Signature".

- Primary Acceptor Name: Kimberly Masyra
- Primary Acceptor e-mail: [kimberly.h.masyra.civ@mail.mil](mailto:kimberly.h.masyra.civ@mail.mil)
  
- Alternate Acceptor Name: Joseph Cavanagh
- Alternate Acceptor e-mail: [joseph.d.cavanagh.civ@mail.mil](mailto:joseph.d.cavanagh.civ@mail.mil)
  
- Contract Specialist Name: Karen Kennedy
- Contract Specialist e-mail: [Karen.L.Kennedy26.civ@mail.mil](mailto:Karen.L.Kennedy26.civ@mail.mil)

To track the status of an invoice, in WAWF click on the link, “Pay Status” (myInvoice-External link) found under the tab named “Lookup” or by going to <https://myinvoice.csd.disa.mil/index.html>. If the payment office indicated in the contract is Columbus, direct any payment related questions to the Defense Finance Accounting Services (DFAS) Columbus at 800-756-4571. If the payment office is other than Columbus, contact the contract administrator for the customer service phone/fax numbers.

[End of clause]