



ADDENDUM #4 RFP # 03-1718-10

THIS ADDENDUM INCLUDES REVISIONS TO THE RFP DOCUMENT:

- 1. Timeline**
- 2. Revision to Bid Forms**
- 3. Additional Clarifications**
- 4. Hanging Lighting Plot**
- 5. Equipment List Update**

IMPORTANT CLARIFICATION:

The district issued RFP addendum #1 in November 20, 2018. Unfortunately, the posted file was not the right file and was not questioned or clarified by the prequalified bidders. The record shows that we posted RFQ addendum #1 and not the intended RFP addendum #1.

The purpose of addendum #1 was to provide the bidders few deductive and additive bid alternates to make sure that the District receives a competitive and successful bid, and the district budget can accommodate. However, the revised Bid Form and actual addendum #1 did not make it to the prequalified bidders.

The District did not recognize the issue until we received bids on January 10, 2019. The received bid exceeded the District allocated budget for this modernization project, did not include the revised Bid Form with additive/deductive alternates (due to posting glitch), and had to be rejected for the basis that it has exceeded the allocated budget.

Addendum #4 has been issued to include the revised Bid Form with other clarifications and attachments.

At the bid-opening day, the District will disclose the allocated budget to bidders and explain the criteria of selecting the lowest responsible and responsive bidder. Bidders are encouraged to attend the bid opening on January 30, 2019 at 10:00 am (PST).

1. **Timeline: 1.3. TIMELINE:** The anticipated timeline, subject to change, for the complete process is as follows:

1 st Advertisement for Request for Qualifications (“RFQ”): (Completed)	05/04/2018
2 nd Advertisement for RFQ: (Completed)	05/11/2018
RFQ Issuance Utilizing Facilities Planning & Construction Webpage (Completed)	05/03/2018
Pre-SOQ Submission Conference (OPTIONAL): (Completed)	05/17/2018
Deadline for RFQ Requests for Clarifications: (Completed)	07/27/2018
Answer posted for RFQ Requests for Clarifications: (Completed)	08/01/2018
Deadline for Submission of SOQ’s: (Completed)	08/06/2018
Notification of Pre-Qualified Contractor: (Completed)	08/13/2018
Invite Pre-Qualified Contractor for Request for Proposal (“RFP”):	11/05/2018
MANDATORY Job-Walk at KVCR 701 S. Mount Vernon Avenue, San Bernardino CA 92410:	11/13/2018
Deadline for RFP Requests for Information:	11/16/2018 01/22/2019
Answer posted RFP Requests for Clarifications (Final Addendum):	11/27/2018 01/25/2019
Deadline for Submission of RFP Pricing Proposal & Bid Documents:	12/05/2018 10am PST on 1/30/2019
Tentative Issue Notice of Intent to Award to the Lowest responsible and responsive bidder:	12/10/2018 1/31/2019
Tentative Receive Contract Documents and submit before Board of Trustees for approval:	12/14/2018 2/15/2019
Tentative Board Approval (January Board Date):	1/10/2019 2/21/2019
Issue Notice to Proceed (NTP):	1/11/2019 2/22/2019
Broadcast Integration Complete	1/11/2019 – 6/28/2019 2/22/2019-8/9/2019
Integration Commissioning	7/01/2019 – 7/30/2019 7/31/2019-9/09/2019

KVCR Building Repurpose (Tentative)	2/4/2019-4/26/2019 3/04/2019-5/31/2019
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2. **Revision to Bid Forms:**

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SECTION 00 30 01 – BID PROPOSAL FORM

**PROPOSAL FOR: Radio and Television Production Systems Integration RFP #
03-1718-10 for KVCR Technology Core Modernization Capital Improvement
Project**

**TO: San Bernardino Community College District, acting by and through its Governing Board, herein
called "DISTRICT."**

RE: (BIDDER): _____

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated, the contract, including all of its component parts, and everything required to be performed, including its acceptance by the DISTRICT, and to provide and furnish any and all labor, materials, tools, expendable equipment, utility and transportation services, and California sales and other applicable taxes, permits, licenses and fees required by the agencies with authority in the jurisdiction in which the work will be located necessary to perform the contract and complete all of the work in a workmanlike manner required in connection with the work required by this bid proposal, for the **KVCR Radio and Television Production Systems Integration** in the DISTRICT described above, all in strict conformance with the drawings and other contract documents on file at the Purchasing Office of said DISTRICT for amounts set forth herein.
2. ADDENDA: The undersigned has thoroughly examined any and all Addenda (if any) issued during the bid period and are thoroughly familiar with all contents thereof and acknowledges receipt of the following Addenda: (Bidder to list all addenda).

ADDENDUM NO. 1
ADDENDUM NO. _____
ADDENDUM NO. _____
ADDENDUM NO. _____

~~DATE RECEIVED~~ WRONG POSTING
DATE RECEIVED _____
DATE RECEIVED _____
DATE RECEIVED _____

3. BASE BID

Base Bid shall include all costs required to perform the work as required by the contract documents and as may be expanded and/or reduced by Addenda.

The bidder agrees to perform all work required for this BID Proposal for the lump sum (turnkey) of:

a. BASE BID:

_____ Dollars
(In words printed or typed)

\$ _____ (In figures)

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b. BID ALLOWANCE:

BID ALLOWANCE	DESCRIPTION	VALUE (\$)
ALLOWANCE NO. 01	Unforeseen Conditions and Not Included in the Scope of Work	\$100,000.00
Allowance Subtotal		<u>\$ 100,000.00</u>

c. TOTAL BID (item a + item b)

_____ Dollars
(In words printed or typed)

\$ _____ (In figures)

d. ADDED BID ALTERNATES:

BID ALTERNATES (Add): Bid alternates are ranked and prioritized based on the project needs.

ALTERNATE PRIORITY	TECHNICAL BID ALTERNATE	DESCRIPTION	ALTERNATE VALUE (\$)
PRIORITY ORDER NO. 1	ADD BID ALTERNATE NO. 01	MOBILE PRODUCTION FLY PACK	
PRIORITY ORDER NO. 2	ADD BID ALTERNATE NO. 02	REPLACE PRO-PED WITH QUARTZ TWO IN TV STUDIO	
PRIORITY ORDER NO. 3	ADD BID ALTERNATE NO. 03	ADD 2 ND TELESTREAM VANTAGE SERVER IN TECH CORE	
PRIORITY ORDER NO. 4	ADD BID ALTERNATE NO. 04	ADD TWO (2) LTO-8 DRIVES FOR SPECTRALOGIC T200	
PRIORITY ORDER NO. 5	ADD BID ALTERNATE NO. 05	ADD MODULAR CYLORAMA TO TV STUDIO	
PRIORITY ORDER NO. 6	ADD ALTERNATE NO. 06	REPLACE BOLAND WITH SONY BVM IN EDIT SUITES	

e. DEDUCTIVE BID ALTERNATES:

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BID ALTERNATES (Subtract): Bid alternates are ranked and prioritized based on the project needs.

ALTERNATE PRIORITY	TECHNICAL BID ALTERNATE	DESCRIPTION	ALTERNATE VALUE (\$)
PRIORITY ORDER NO. 1	SUBTRACT BID ALTERNATE NO. 01	SUBTRACT TELESTREAM LICENSES	
PRIORITY ORDER NO. 2	SUBTRACT BID ALTERNATE NO. 02	SUBTRACT EDITSHARE STORAGE	
PRIORITY ORDER NO. 3	SUBTRACT BID ALTERNATE NO. 03	SUBTRACT EDITING SYSTEM	
PRIORITY ORDER NO. 4	SUBTRACT BID ALTERNATE NO. 4	SUBTRACT ON-LINE EDITING SYSTEM	

f. SUCCESSFUL BIDDER:

- ❖ *If the vendor's bid price totaled in item c is lower than the district allocated budget for the project, then ignore item e (deductive alternates) completely. The district will start adding the bid alternates based on the priorities listed in item d. The lowest responsive and responsible bidder will be determined based on the more added alternates the district will receive and will be covered under the vendor's bid price.*
- ❖ *If the vendor's bid price totaled in item c is higher than the district allocated budget for the project, then skip item d (added alternates) completely to item e. The district will start deducting the bid alternates based on the priorities listed in item e. The lowest responsive and responsible bidder will be determined based on the lesser deductive alternates the district will receive and will be covered under the vendor's bid price.*

Note: the district allocated budget will only be disclosed at the public bid opening date and time.

4. The undersigned bidder shall be licensed and shall provide the following information:

Bidder's California Contractor's

License Number: _____

License expiration date: _____

Name on License: _____

Type of License: _____

If the bidder is a joint venture, each member of the joint venture must include the above information.

5. Attached is bid security in the amount of not less than ten percent (10%) of the bid: \$ _____. Bid bond, certified check, cashier's check, or cash. (circle one)
6. The names and contact information of all persons interested in the foregoing proposal as principals are as follows:

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(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state the legal name of such corporation, as well as the names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state the true names of the firm, as well as the names of all individual co-partners comprising the firm; if bidder or other interested person is an individual, state the first and last names in full.)

7. Notice of Intent to Award Contract or other correspondence should be addressed to the undersigned at the address stated below.

8. ATTACHED TO THIS BID LETTER: Attached to this bid letter and by this reference incorporated herein and made a part of these completed Contract Bid Forms are:

<u>Name of Form/Document</u>	<u>Section Number</u>
☐ Bid Proposal Form	Section 00 30 01
☐ Bid Guarantee Form	Section 00 30 02
☐ Bid Bond (Notarized)	Section 00 30 03
☐ Designation of Subcontractors	Section 00 30 04
☐ Non-Collusion Declaration (Notarized)	Section 00 30 05
☐ Contractor's Certification Regarding Worker's Compensation	Section 00 30 06
☐ Prevailing Wages Certification	Section 00 30 07
☐ Acknowledgement of Bidding Practices Regarding Indemnity	Section 00 30 08
☐ Bidder's Acknowledgement of Project Duration	Section 00 30 09
☐ Site Visit Certification	Section 00 30 10

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9. TIME FOR COMPLETION: The DISTRICT may give a notice to proceed within thirty (30) days of the award of the bid by the DISTRICT. Once the CONTRACTOR has received the notice to proceed, the CONTRACTOR shall complete the work in the time specified in the Agreement.

In the event that the DISTRICT desires to postpone giving the notice to proceed beyond this thirty (30) day period, it is expressly understood that with reasonable notice to the CONTRACTOR, the DISTRICT may postpone giving the notice to proceed. It is further expressly understood by the CONTRACTOR, that the CONTRACTOR shall not be entitled to any claim of additional compensation as a result of the postponement of giving the notice to proceed.

If the CONTRACTOR believes that a postponement will cause a hardship to it, the CONTRACTOR may terminate the contract with written notice to the DISTRICT within ten (10) days after receipt by the CONTRACTOR of the DISTRICT's notice of postponement. It is further understood by the CONTRACTOR that in the event that the CONTRACTOR terminates the Contract as a result of postponement by the DISTRICT, the DISTRICT shall only be obligated to pay the CONTRACTOR for work performed by the CONTRACTOR at the time of notification of postponement. Should the CONTRACTOR terminate the contract as a result of a notice of postponement, the DISTRICT shall have the authority to award the contract to the next lowest responsible bidder.

10. It is understood that the DISTRICT reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The CONTRACTOR understands that it may not withdraw this bid for a period of sixty (60) days after the date set for the opening of bids.
11. The required List of designated subcontractors is attached hereto.
12. The required notarization: Bid Bond and the Non-Collusion Declarations for CONTRACTOR, ***and the Non-Collusion Declarations for*** subcontractors are attached hereto.
13. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the DISTRICT a contract in the form attached hereto in accordance with the bid as accepted and prepared by Owner, and that he will also furnish and deliver to the DISTRICT the Performance Bond and Payment Bond, all within ten (10) calendar days after receipt of notification of award, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, by the start date provided in the DISTRICT's Notice to Proceed, and shall be completed by the CONTRACTOR in the time specified in the contract documents.
14. Time is of the essence regarding this contract, therefore, in the event the bidder to whom the Notice of Intent to Award Contract is given fails or refuses to post the required bonds and return executed copies of the Agreement form within ten (10) calendar days from the date of receiving the Notice of Intent to Award Contract, the DISTRICT may declare the bidder's bid deposit or bond forfeited as damages.
15. Pursuant to Government Code section 4552, in submitting a bid to the DISTRICT, the bidder offers and agrees that if the bid is accepted, it will assign to the DISTRICT all rights, title, and interest in, and to all causes of action it may have under section 4 of the Clayton Act (15 U.S.C. § 15) or under the Cartwright Act (Business and Professions Code sections 16700, et. seq.), arising from the purchase of goods, materials, or services by the bidder for sale to the DISTRICT pursuant to the bid. Such assignment shall be made and become effective at the time the DISTRICT tenders final payment to the bidder.

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16. The bidder declares that he/she has carefully examined the location of the proposed work, that he/she has examined the Plans, General Conditions of the contract, Supplemental Conditions of the contract, and Specifications, and read the accompanying instructions to bidders, and hereby proposes and agrees, if this proposal is accepted, to furnish all materials and do all work required to complete the said work in accordance with the Plans, General Conditions of the contract, Supplementary Conditions of the contract, and Specifications, in the time and manner therein prescribed for the unit cost and lump sum amounts set forth in this Bid Form.
17. In the event of ambiguity due to a conflict between words and numbers with respect to the amount of the bid, words shall govern over numbers.
18. The bidder is familiar with Government Code sections 12650, et. seq., and Penal Code section 72 and understands that false claims can lead to imprisonment.
19. The bidder acknowledges that that they have reviewed the work outlined in the contract documents and fully understands the Scope of work required in the Proposal, and further acknowledges that this proposal includes the scope of work within this Bid Proposal. It is further understood that no exceptions, exclusions, or clarifications will be considered.
20. The undersigned has notified the District through the Project Manager of any discrepancies or omissions, or of any doubt about the meaning of any of the Contract Documents, and has contacted the District before bid date to verify the issuing of any clarifying Addenda.

I, the below-indicated bidder, declare under penalty of perjury that the information provided and representations made in this bid are true and correct.

Proper Name of Bidder

Address

By: _____
Signature of Bidder

Date: _____

Corporate Seal:
(If Corporation)

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NOTE: *If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.*

All signatures must be made in permanent blue ink

END OF SECTION

3. Additional Clarifications

The following information has been provided for clarification on the equipment list and the hanging lighting plot.

- MATROX is shown on EQ list, highlighted in Yellow
 - 360 Systems EQ clarified in MC 151
 - Include Masstech Equipment
 - Autoscript now shown in MC 145
 - Blackmagic SmartScope are removed from open office areas and should not be included
 - Sony BVM Monitors are shown on EQ list, highlighted in Yellow
 - Mackie Mixer is removed from MC 125/161 and should not be included
 - Include Extended Warranty Integrator Furnished Evertz Equipment
 - Include MY8-AEB card for Flypack if you determined it is necessary
 - Include SMPTE 12' Patch Cords if you determined they are necessary
 - Include Studio Grid Mounts for JBL speakers
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- See updated Hanging Lighting Plot for clarification on lighting equipment. Note reference to existing Stirrup Hangers. Quantities of fixtures have been verified in the Equipment List.

4. **Hanging Lighting Plot**



5. Updated Equipment List

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	HDC4300L	HDC4300L 4K UHD Fiber Studio Companion Portable Camera	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	SZC4001	4K CZ, 4K2x Software for HDC4300L 4K UHD CMOS Studio Companion Portable Camera	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	VCT14	Tripod Adaptor for HDC4300L 4K UHD Upgradable Fiber Studio Companion Portable Camera	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	H0VFL750	7" HD Color LCD Viewfinder for HDC4300L 4K UHD Camera	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	HDCU4300L	Full Rack HD Camera Control & 4K/HD Baseband Processor Unit for HDC4300L 4K	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	HKCU4002	12G-SDI Option Board for HDCU4300L Full Rack Camera Control & 4K/HD Baseband Processor Unit	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	RMM3701	Rack Mount Kit for HDCU4300L Full Rack HD Camera Control & 4K/HD Baseband Processor Unit	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	RCP1500	Highly versatile Joystick Remote Control Panel with a touch panel LCD display	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	UA18x5.5BERD	Fujinon 4K Ultra HD 2/3" 18x5.5 Long Wide Lens w/"RD" Built-in Servo Zoom & Focus & 2x Extender	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Package RFP	Sony	4	YES	SS13	Fujinon Analog Full Servo Kit for "RD" Type Lenses	Owner Finished Integrator Installed
MC 145 TV Studio	Camera Pedestal	Vinen	4		V4006-0001	Head Vector 430, Flat base, Flat base head, with 1 telescopic pan bar, EFP Quickfit automatic adaptor	
MC 145 TV Studio	Camera Pedestal	Vinen	4		3219-115	Pan bar telescopic Vector, Telescopic pan bar & clamp for Vector 430 and 430i	
MC 145 TV Studio	Camera Pedestal	Vinen	4		3983-3C	Pedestal Pro-Ped Studio - Black, with 125 mm wheels, cable guards & track locks	
MC 145 TV Studio	Camera Pedestal	Vinen	4		3702-32	Accessory pedestal nitrogen charging adaptor	
MC 145 TV Studio	Prompter	Autoscript	4		EPIC-IP17	EPIC-IP on-camera package with 17" prompt monitor and integrated 17" talent monitor, 17" prompt & talent monitor; integrated HD talent monitor; Prompt monitor connects via network to WP-IP/N; Folding hood; Prompt screen: 17"; Talent screen: 17.3"; Weight: 6.1 kg / 13.4 lb; Complete system weight: 13.7 kg / 30.2 lb	
MC 145 TV Studio	Prompter	Autoscript	1		WP-IPX	Hardware upgrade from PCI Card or XBOX/XBOX Ultra to Intelligent Prompting, Exchange of Autoscript PCI Card/XBOXULTRA for 1 x WP-IP, WP-IPN, XBOX-IP, HC-IP, PSC-SC. Return of PCI/XBOXULTRA/HC-1 required	Must Retrun XBoxUltra and HC-1
MC 145 TV Studio	Prompter	Autoscript	4		A9011-1006	CLOCKPLUS-IP: Timecode, tally and camera number display for Intelligent Prompting monitors, Timecode, tally & camera number display; attaches to EVO-IP or EPIC talent monitor; Inputs (from EVO-IP): LTC, NTP (VITC / D-VITC optional); Time display: HR:MIN:SEC; 12/24 hour mode with AM/PM indicator	
MC 145 TV Studio	Cables	ProCo - Or Equivalent	10		MN-10	XLR microphone cable, 10 foot	
MC 145 TV Studio	Cables	ProCo - Or Equivalent	20		MN-25	XLR microphone cable, 25 foot	
MC 145 TV Studio	Cables	ProCo - Or Equivalent	10		MN-50	XLR microphone cable, 50 foot	
MC 145 TV Studio	Cables	Laird - Or Equivalent	10		12GSDI-B-B-025	12GSDI-B-B-025 12G-SDI 4K UHD Video Coax BNC Cable - 25 Foot	
MC 145 TV Studio	Cables	Laird - Or Equivalent	10		12GSDI-B-B-050	12GSDI-B-B-025 12G-SDI 4K UHD Video Coax BNC Cable - 50 Foot	
MC 145 TV Studio	Cables	Complex	1		HF-FUWPUW-M-0100	LEMO FUW-PUW Outside Broadcast SMPTE Fiber Camera Cable - 100 Foot	
MC 145 TV Studio	Cables	Complex	3		HF-FUWPUW-M-0075	LEMO FUW-PUW Outside Broadcast SMPTE Fiber Camera Cable - 75 Foot	
MC 145 TV Studio	Accessories	EZ FX	1		EZ J 1.0	EZ Jib for field, studio or multi camera productions	
MC 145 TV Studio	Accessories	EZ FX	1		EZ Ext EJ 1.0	Extension Kit for EZ Jib	
MC 145 TV Studio	Studio Equipment	JBL	1		EON612	12" Two-Way Multipurpose Self-Powered Sound Reinforcement	GRID SPKR W/ PWR AMP
MC 145 TV Studio	Studio Equipment	Mount	1		Field Verify	Field Verify Grid Location and Mount	
MC 145 TV Studio	Studio Equipment	Ross	1		OGX-FR-CN	openGear OGX Frame with Cooling and Advanced Networking	
MC 145 TV Studio	Studio Equipment	Ross	1		PS-OGX	600 Watt Universal Power Supply for OGX Frame	
MC 145 TV Studio	Studio Equipment	Ross	2		DRA-8902-16-R3	12G/6G/3G/HD/SD/MADI Distribution Amplifier 2 In / 16 Out with full rear module	
MC 145 TV Studio	Studio Equipment	Ross	2		UDA-8705A-R2L	Analog Video Utility Distribution Amplifier with 20-Slot frame Rear Module, R2L-8705; Looping input	
MC 145 TV Studio	Studio Equipment	BITTREE	1		S96T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 3X32, 2 RU	
MC 145 TV Studio	Studio Equipment	MIDDLE ATLANTIC	1		BGR-195A-27	BGR-SA SERIES RACK, 19 RU, 27"D	
MC 145 TV Studio	Studio Equipment	RTS	1		BTR-80N-xxR5	BTR-80N Base Station RTS, ASF Headset Jack, frequency to be determined	Frequency Survey Required
MC 145 TV Studio	Studio Equipment	RTS	4		TR-80N-xxR5	TR-80N Belt Pack RTS, ASF Headset Jack; frequency to be determined	Frequency Survey Required
MC 145 TV Studio	Studio Equipment	Telex	4		F.01U.307.547	Telex LH-302 Lightweight RTS Double-Sided Broadcast Headset (XLR 5-Pin Male Connector, Dynamic Microphone)	
MC 145 TV Studio	Studio Equipment	Planar	2		EP6524K	65in diagonal, UHD, ultra slim, LED backlight, 24x7 reliability, metal bezel, landscape and portrait, wide array of inputs, OPS slot, 500 nit brightness, speakers, RS232 and LAN control	
MC 145 TV Studio	Studio Equipment	AJA	2		Hi5-12G	12G-SDI to HDMI 2.0 Converter	
MC 145 TV Studio	Studio Equipment	Chief	2		LPAUB	Large Fusion™ Manual Height Adjustable Mobile AV Cart	
MC 145 TV Studio	Broadcast Service Panels	Racks Unlimited Or Equivelent	4		Custom	18" x 18" and 12" x 12" Custom BSP Plates and Connectors	
MC 145 TV Studio	Studio Equipment	Shure	8		AD1-G57	AD BP 470-616 MHZ	Frequency Survey Required
MC 145 TV Studio	Studio Equipment	Shure	4		AD2/SM58	Microphone, Handheld wireless, SM58 Cartridge, Black finish	
MC 145 TV Studio	Studio Equipment	Shure	8		MX150B/O-TQG	Omnidirectional 5mm Subminiature Lavalier Microphone, TQG for Shure Bodypacks, Black	
MC 145 TV Studio	Studio Equipment	Shure	2		VP895	Microphone, Shotgun condenser, "short", Windscreen & case included	
MC 145 TV Studio	Studio Equipment	Shure	2		VP89L	Microphone, Shotgun condenser, "Long", Windscreen & case included	
MC 145 TV Studio	Studio Equipment	Shure	2		HA-8091	Wireless mic omni-directional antenna	
MC 145 TV Studio	Studio Equipment	JBL	2		EON615	15" Two-Way Multipurpose Self-Powered Sound Reinforcement	
TV STUDIO LIGHTING							
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	24		CAPCPC10	10' PowerCon to PowerCon Extension	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	24		CA256	10' 20amp Edison (5-20) Extensions - SJO	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	24		CA257	25' 20amp Edison (5-20) Extensions - SJO	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	12		CA258	50' 20amp Edison (5-20) Extensions - SJO	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	100		SM	20 Amp Male To 15 Amp Female Edison Adapter	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	24		LEX101	5' 5 Pin DMX Cable - LEX	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	36		LEX102	10' 5 Pin DMX Cable - LEX	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	36		LEX1025	15' 5 Pin DMX Cable - LEX	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	24		LEX103	25' 5 Pin DMX Cable - LEX	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	16		ETC7461A1051	ETC Series 2 Lustr LED Leko Body & Shutter Barrel - Black, Fixture Ships With: PowerCon To Edison Power Cable, C-Clamp, Soft Focus Diffuser, A-Size, Pattern Holder	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	4		ETC436EDLT	ETC 36 Deg EDLT Lens Tube w/ Color Frame	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		ETC450EDLT	ETC 50 Deg EDLT Lens Tube w/ Color Frame	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		MT90480040	Martin RUSH PAR 2, RGBW Zoom, Fixture Ships with: PowerCon to Edison Power Cable	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		HA185	Pipe Clamp w/Bolt - Standard	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	12		ETC7415A1000	ETC ColorSource Cyc XLR LED ETL Fixture, Fixture Ships With: PowerCon to Edison Power Cable, Hanging Yoke	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	12		HA185	Pipe Clamp w/Bolt - Standard	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	12		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		VL88105727000	Vari-Lite VL2600 Profile, In Cardboard. Fixture Ships With: 2 - Hanging rails, True1 Power Cable	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	16		HA707	Mega Coupler, Black (MLB Half Coupler)	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		ED5266CBL	Male Edison (5-15P 125v) Leviton (Black)	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		STGPIN	Edison Install Charge @ \$5.00 each	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	1		ACTMA120212	MA dot2 XL-F 4096 Channel Console - ACT	
MC 145 TV Studio	Lighting Package	TRAINING	1		TBD	Integrator/Manufacturer/or 3rd Parting lighting console training	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	36		ETC7083A1085	ETC Dual 20A 120V Relay Module	Replace Existing Dimmer Modules
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		ARL00007711	Arri SkyPanel S30-C Blue/Silver w/ 10' Cable To Edison Fixture Ships With: Power Supply, 3 Pin Head Feeder, True1 Mains Cable, Standard Diffusion Panel	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		AMME128	American Jr. Pipe Clamp, Grid Type	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		ARL20015899	Chimera Lantern S30 Includes Skirt & Bracket - Arri	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		ARL00007063	Arri SkyPanel S60-C, Blue/Silver w/ 10' Cable To Edison Fixture Ships With: Power Supply, 3 Pin Head Cable, True1 Mains Cable, Standard Diffusion Panel	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		AMME128	American Jr. Pipe Clamp, Grid Type	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		ARL20007977	Arri 8-Chamber Eggcrate S60	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	6		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		ARL00006583	Arri L5 / LoCaster LED Kit II	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	18		ARL00015336	L7-C LE2 Active, Std Mt., Blue-Slvr, 23' Cable w/Switch, Ugd Fixture Ships With: 1 1/8" Junior Pin, 23' Cable w/ Inline Switch & Uground	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	18		ARL2397000	Eight Leaf Barndoor, Arri L7 Fresnel	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	18		AMME128	American Jr. Pipe Clamp, Grid Type	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	9		MA435197	Scrim, 7 3/4" Half Single	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	9		MA435199	Scrim, 7 3/4" Half Double	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	18		ARL2796900	Filter Frame, Arri L7	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	18		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		CH9140	Chimera Speed Ring - Circular - 7 5/8" - Video Pro	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		CH8125	Chimera Lightbank - Video Pro Plus w/ 3 Screens - Small	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		ARL00003381	Arri L10-C Stand-Mt, Blue/Silver, 23' Cable w/Switch, Edison Fixture Ships With: 23' True1 Mains Cable w/ In-Line Switch & Uground	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		ARL2409600	Eight Leaf Barndoor, Arri L10 Fresnel	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		AMME128	American Jr. Pipe Clamp, Grid Type	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		MA435228	Scrim, 13" Half Single	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		MA435229	Scrim, 13" Half Double	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		ARL2809700	Arri Filter Frame - L10	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		CGSCBAG13	13 1/2" Scrim Bag	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	8		HA118B	Safety Cable, Black	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		CH9305	Chimera Speed Ring - Circular - 13 1/2" - Quartz/Daylite	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		CH8425	Chimera Lightbank - Quartz Plus w/ 3 Screens - Small	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	1		BO109	Bead Board, 1" 4' x 8'	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	1		RR3804	Rosco Gel Roll # 3804 Roscoflex SS	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		LR251	Lee Gel Roll # 251 1/4 White Diffusion	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	4		LR250	Lee Gel Roll # 250 1/2 White Diffusion	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		LR216	Lee Gel Roll # 216 White Diffusion	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		LR253	Lee Gel Roll # 253 Hampshire Frost	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	2		LR410	Lee Gel Roll # 410 Opal Frost	
MC 145 TV Studio	Lighting Package	ACEY DECY QT19432	100		MP109	54" Black Commando Cloth 16oz. pr/yd (2 - 50 Yard Bolts)	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		AMLS12	American Jr. Roller 3 Rise (R/M Leg)	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	5		MA386022	Jr. Rolling Stand 2-Rise - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	6		MA386034	Preemie Baby Stand - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		MA386021	Low Boy Jr. Rolling Stand 2-Rise - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		AMOH500	American Medium Roller 3 Rise Jr.Grip Head R/M Leg	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	8		MA756040	40" Hollywood C-Stand W/Head and Arm - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		MA756020	20" Hollywood C-Stand W/Head and Arm - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		MA622005	Combo Scrim / Flag Survival Kit - Ships With: 3 - 18" x 24" Single Scrims 3 - 18" x 24" Double Scrims 2 - 18" x 24" Artificial Silk Diffusers 1 - 18" x 24" Cello Cucoloris 6 - 18" x 24" Flags 3 - 24" x 36" Single Scrims 3 - 24" x 36" Double Scrims 2 - 24" x 36" Artificial Silk Diffuser 1 - 24" x 36" Wood Cucoloris 6 - 24" x 36" Flags 1 - Case	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		AMBF00	American 6' x 6' Butterfly Set - Ships With: (1) Frame, (1) Single, (1) Double, (1) Silk, (1) Solid, (1) Storage Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		LAR66QGS	6' x 6' 1/4 Grid Silent, White w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		LAR66HGS	6' x 6' Half Grid Silent w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		LAR66UBBW	6' x 6' Ultra Bounce BLK/White w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		MA409708	8' x 8' Snap-A-Part Frame w/ 1" Square Tubing - Heavy Duty	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		LAR88PS	8' x 8' Poly Silk White w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		LAR88HGS	8' x 8' Half Grid Silent, White w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		LAR88QGS	8' x 8' 1/4 Grid Silent, White w/Bag	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		AMFC19	American 24" x 72" Floppy Solid	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		AMFC12F	American 18" x 48" Cutter w/ Flop Down	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		AMFC10F	American 10" x 42" Cutter w/ Flop Down	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		MA309304	Flag Bag, 48" x 48" - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		NOFCS14	Norms 48" x 48" Floppy Cutter	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA539189	48" x 48" Flag Frame - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		MOD0682100	48" x 48" Single Scrim, Black - Modern	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		MOD0682105	48" x 48" Double Scrim, Black - Modern	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	2		NOSF203	48" x 48" Poly Silk - Norms	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	3		AMAB00	American Apple Box, Full	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	3		AMAB02	American Apple Box, Half	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA259537	Apple Box, Quarter - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA259538	Apple Box, Eighth - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	18		AMS8025	American 25lb. Sand Bag, Saddle Type	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA349581	4-1/2" Grip Head - Std Finish - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA420210	Matthelini Clamp, 6" End Jaw - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA420101	Matthelini Clamp, 3" Center Jaw - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		AMME97	American Bead Board Holder (Duckbill)	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MS0183310	Modern Big Bite Baby Clamp w/ Positional Baby Pin	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MA541004	Matthews Super Mafer Clamp w/ Pin - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	6		AMME128	American Jr. Pipe Clamp, Grid Type	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	24		HA1188	Safety Cable, Black	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	6		AMME112	American Drop Ceiling Hanger With 5/8" Pin	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		NOMES00	Norms Baby Offset Arm	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		AI005	Baby Plate, 6" - Acey Decy	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		AMME52	American Junior Offset Arm 14"	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		AMME02	American Jr. Wall Plate	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		AMME110	Putty Knife w/ 5/8" Pin - American	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	8		MA319550	Connector For 1-1/4" Pipe - 2lbs - MSE	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		AMFB22	American 2' x 5' x 4' Grip Box	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	328		HA169	Pipe #40 1.5" I.D. pr/ft. 12 - 6' Sticks 16 - 10' Sticks	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	36		HA161	Cheseburrow, Swivel 1.5"	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	36		HA160	Cheseburrow, Non Swivel 1.5"	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	4		MS0203660	Modern Grip Saver / Helper - Telescoping	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		SM	Studio C-Stand Utility Cart # CSU-103	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		SM	Studio Mighty Cart # MIC-101	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		SM	Studio Duz-All Cart w/ Optional 4-Slot & 8-Slot Baby/Combo	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	1		SM	Studio Mini Duz-All Cart	
MC 145 TV Studio	Grip Package	ACEY DECY QT19439	6		JR18P	Beam Clamp - 1/2 Ton w/ Half Coupler	
PRODUCTION CONTROL ROOM							
MC 143 PCR	PCR Furniture	Laguna Designs	1		Build-to-Order	PCR Console Per Drawing "760 KVCR PCRv2" 10/19/18	
MC 143 PCR	PCR Furniture	Laguna Designs	1		760 GRID1	Monitor Mount Grid (Vertical Unistut Provided by Others) all Hardware, Mounts and Power Distribution Included	
MC 143 PCR	PCR Furniture	Laguna Designs	20		DESPROG	Design and Programing	
MC 143 PCR	PCR Furniture	Laguna Designs	1		COMPANY TRUCK DELIVERY	COMPANY TRUCK DELIVERY	
MC 143 PCR	PCR Furniture	Laguna Designs	30		INST	Installation Labor	
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XVS8000	XVS8000 (10U Frame, XPTx2, OUT, PSx4 2+2 redundant) multi-format video production switcher	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	4	YES	UNIVPOWERCORD	Universal 3 Foot Power Cord T9.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	10	YES	XKSS8112	12G-SDI Input Connector Board for XVS8000 Production Switcher Processor	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XKSS8165	12 HD or 3 4K Output SDI Output Connector Board for XVS7000 Multi-Format 4K/3G/HD/SD Production Switcher Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	4	YES	XKSS8167	12G-SDI Output Connector Board for XVS8000 Multi-Format 4K/3G/HD/SD Video Production Switcher Processor Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XKS8160	Output Processor Board for XVS8000 Multi-Format 4K/3G/HD/SD Video Production Switcher Processor Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	2	YES	XKS8210	Mix/Effects Board (w/Resizer) for XVS8000 Multi-Format 4K/3G/HD/SD Production Switcher Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XKS8440	Frame Memory Board for XVS8000 Multi-Format 4K/3G/HD/SD Production Switcher Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XKS8460	Format Converter Board for XVS8000 Multi-Format 4K/3G/HD/SD Production Switcher Chassis	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XZS8510	4K Switcher Upgrade Software for XVS8000 Multi-Format 4K/3G/HD/SD Video Production Switcher Processor Chassis (1st M/E).	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	XZS8520	4K Switcher Upgrade Software for XVS8000 Multi-Format 4K/3G/HD/SD Video Production Switcher Processor Chassis (1st M/E).	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7011	Menu Panel for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MVSARM	Touch Screen GUI Support Arm Package for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	3	YES	MKSX7018	28-Button Crosspoint Module for ICPX7000 Multi-Format Production Switcher ControlPanel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	2	YES	MKSX7024	Flexipad Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	2	YES	MKSX7020	Standard Transition Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7026	10-Key Pad Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7031TB	Trackball Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7033	Shotbox/Utility Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7035	Key Control Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7041	Blank Panel (1/2 Size) for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	3	YES	MKSX7099	Panel Tub + CPU Module for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	4	YES	UNIPOWERCORD8	Two Prong Figure Eight 6 Foot Power Cord.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	PWS1005C1	System Control Server for ICPX7000 Multi-Format Production Switcher Control Panel.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	RMM10	Rack Mount Kit.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	2	YES	UNIVPOWERCORD	Universal 3 Foot Power Cord.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7700	Device Control Unit Processor for XVS8000 Multi-Format 4K/3G/HD/SD Video Production Switcher	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	RMM10	Rack Mount Kit.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	2	YES	UNIVPOWERCORD	Universal 3 Foot Power Cord	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKSX7701	Tally/GPI I/O Board for MKSX7700 Device Control Unit Processor.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MKS7702	6-Port Device Control Board for MKSX7700 Device Control Unit Processor.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher RFP	Sony	1	YES	MVSM4100	Netgear M4100-24G-POE.	Owner Finished Integrator Installed
MC 143 PCR	Video Switcher	AJA	2		12GM	12G-SDI to/from SDI Muxer/DeMuxer	
MC 143 PCR	PCR EQUIPMENT	AUTOSCRIPT	1		HC-IP DESKTOP CONTROLLER	SCROLL WHEEL FOR PROMPTER	
MC 143 PCR	PCR EQUIPMENT	Planar	3		EP6524K	65in diagonal, UHD, ultra slim, LED backlight, 24x7 reliability, metal bezel, landscape and portrait, wide array of inputs, OPS slot, 500 nit brightness, speakers, RS232 and LAN control	
MC 143 PCR	PCR EQUIPMENT	Mount	1		Field Verify	Field Verify Wall Mount for one (1) Planar on east wall of PCR	
MC 143 PCR	PCR EQUIPMENT	HP	2		Z4Y82A8#ABA	HP DreamColor Z31x Studio Display	
MC 143 PCR	PCR EQUIPMENT	AJA	11		HiS-12G	12G-SDI to HDMI 2.0 Converter	
MC 143 PCR	PCR EQUIPMENT	BOLAND	2		4K17-HDR	17" 4K Pro HDR Monitor	
MC 143 PCR	PCR EQUIPMENT	BOLAND	1		4K24-HDR	24" 4K Pro HDR Monitor	
MC 143 PCR	PCR EQUIPMENT	DELL	9		P2219H	Dell 22 Monitor - P2219H	
MC 143 PCR	PCR EQUIPMENT	GENELEC	4		MO40	SPEAKER / MONITOR	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 143 PCR	PCR EQUIPMENT	Mount	4		Field Verify	Field Verify Standard Wall Mount for MO40 Speakers	
MC 143 PCR	PCR EQUIPMENT	HP	4	Z2 - Config to Order		HP Z2 Mini G3 Entry Workstation (x8U88AV) Windows 10 Pro 64 Intel® Core™ i5-7500 Processor (3.4 GHz, up to 3.8 GHz w/Turbo Boost, 6 MB cache, 4 cores) + Intel HD Graphics 630 ENERGY STAR Qualified Configuration 16 GB (1x16 GB) DDR4-2400 SODIMM Memory 1 TB 7200 RPM 9.5mm SATA 2.5" HDD Operating System Load to SATA HP Remote Graphics Software (RGS) for Z USB Business Slim Wired Keyboard HP Premium Wired USB Mouse Three-year (3-3-3) limited warranty Single Unit Packaging Z2 Mini G3 Country Kit US	PCR (PROMPT - DIR - AD - TD)
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV7600		Hybrid-type rasterizer compatible with 4K/HD/SD-SDI signal and HD/SD IP signal	
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV5600-SER01		SD, HD, 3G SDI input	
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV7600-SER28		4K video signal correspondence function	
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV5600-SER29		12G-SDI compatible	
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV7600-SER23		HDR measurement function	
MC 143 PCR	PCR EQUIPMENT	LEADER	2	LV7600-SER25		Focus assist display Function	
MC 143 PCR	PCR EQUIPMENT	WOHLER	1	AMP2-S8-MDA		8 Channel, 3G/HD/SD-SDI, AES, Analog Audio Monitor. 2RU	
MC 143 PCR	PCR EQUIPMENT	Netgear	1	GSM7224P		M4100-24G-POE+ ProSAFE Gigabit L2+ Managed Switch	Hot Spare Redundancy for Sony
MC 143 PCR	PCR EQUIPMENT	RTS	7	KP4016		14 Position Key Panel with Menus and programming keypad, extended DSP Functions, 2 full HD colour displays, 2 channel OMNEO via RJ45 and fibre connection and standard analogue RTS matrix connection.	TC 14
MC 143 PCR	PCR EQUIPMENT	STUDIO TECHNOLOGIES	1	MODEL 74/75		5.1 Surround Monitoring System with Talkback	
MC 143 PCR	PCR EQUIPMENT	WOHLER	1	RM-2443WS-3G		Wohler RM-2443WS-3G Quad 4.3 Inch 16:9 Widescreen LCD Video Monitor - 3G/HD/SD-SDI/Composite/Embedded Audio - 2RU	
MC 143 PCR	PCR EQUIPMENT	EVERTZ	2	CP1000E		ROUTER REMOTE PANEL	
MC 143 PCR	PCR EQUIPMENT	EVERTZ	1	CP2116E		FULL CONTROL X/Y ROUTER PANEL	
MC 143 PCR	Broadcast Service Panels	Various	2	Broadcast Service Panels		Per Drawings	
MC 143 PCR	Wall Clock	American time - Or Equivalent	2	POE261RSE		Digital wall clock, POE, red display	
AUDIO CONTROL ROOM							
MC 151 ACR	ACR Furniture	Laguna Designs	1		Build-to-Order	ACR Console Per Drawing "ACR Drawing" 10/25/18	
MC 151 ACR	Audio console	Calrec	1	PROPOSAL Q250470		Summa 24+8 surface with ALPS faders including:	
MC 151 ACR	Audio console	Calrec	2	IC6212-2		Fader panels w/ total 12 assignable multi-layer motorized faders	
MC 151 ACR	Audio console	Calrec	2	CA6161		Goes w/ IC6216-2 provides 24 assignable control cells & 12 gain rotaries	
MC 151 ACR	Audio console	Calrec	2	MD6171-3		Meter displays each w/ processing and routing indicators	
MC 151 ACR	Audio console	Calrec	1	IM6215		Fader panel providing 8 assignable, multi-layer motorized faders and global controls	
MC 151 ACR	Audio console	Calrec	1	ML6157		Monitor panel providing gain and wild controls; assignable buttons; 3 front facing USB	
MC 151 ACR	Audio console	Calrec	1	MU6170-2		2 Touch Display	
MC 151 ACR	Audio console	Calrec	1	PT6155		Headphone and TB interface board	
MC 151 ACR	Audio console	Calrec	1	ZN6163-2		Summa Surface redundant PSU	
MC 151 ACR	Audio console	Calrec	1	312-237		Mains 10A IEC Y splitter cable	
MC 151 ACR	Audio console	Calrec	1	ED6207		4U Core with PSU redundancy including:	
MC 151 ACR	Audio console	Calrec	2	ZN6177		4U Rack PSU Module	
MC 151 ACR	Audio console	Calrec	1	UD6180		Bluefin 2 High Density Signal Processing module 128 Channels with full signal processing 8x 5.1/stereo/mono group buses 4x 5.1/stereo/mono main output buses 16x stereo/mono aux output buses 32x stereo/mono track/IFB output buses	
MC 151 ACR	Audio console	Calrec	1	RY6181		8 SFP connection router module	
MC 151 ACR	Audio console	Calrec	1	UN6210		4U Control Module	
MC 151 ACR	Audio console	Calrec	1	JN6209		4U rack reset and sync module	
MC 151 ACR	Audio console	Calrec	1	312-237		Mains 10A IEC Y splitter cable	
MC 151 ACR	Audio console	Calrec	1	SUMMA		Summa Core Redundancy Package providing Automatic, On-line, Hot spare redundancy hardware and software. Comprising:	
MC 151 ACR	Audio console	Calrec	1	UD6180		Bluefin 2 High Density Signal Processing module.	
MC 151 ACR	Audio console	Calrec	1	RY6181		SFP Connection router module	
MC 151 ACR	Audio console	Calrec	1	UN6210		4U Control Module	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 151 ACR	Audio console	Calrec	1	SUMMA		Hydra2 network consisting of 4 wall boxes, providing 96 Mic/line inputs, 96 Line outputs, 8 AES inputs, 8 AES outputs, 24 Opto inputs and 24 Relays. Machine room I/O with 4 wall boxes providing 96 mic/line inputs, 96 line outputs, 8 AES inputs, 8 AES outputs, 24 opto inputs and 24 relays*, comprising:	
MC 151 ACR	Audio console	Calrec	1	EE5833-3		3U Modular I/O rack including	
MC 151 ACR	Audio console	Calrec	1	UJ5836-4		4 Hydra2 interface module	
MC 151 ACR	Audio console	Calrec	2	ZN5835-5		Modular I/O rack PSUs	
MC 151 ACR	Audio console	Calrec	2	JB5860-2		4 unbalanced AES input, BNC modules	
MC 151 ACR	Audio console	Calrec	2	JB5837-3		4 unbalanced AES output, BNC modules	
MC 151 ACR	Audio console	Calrec	4	491-072		Gbit LX-LC fibre SFPs for main and redundant connection	
MC 151 ACR	Audio console	Calrec	1	JM6199		Madi I/O card	
MC 151 ACR	Audio console	Calrec	2	AE5743-2		3U, Hydra2 I/O boxes (Dual AC) 32 mic/line I/P, 32 line O/P, EDAC, Each including:	
MC 151 ACR	Audio console	Calrec	4	491-072		Gbit LX-LC fibre SFPs for main and redundant connection	
MC 151 ACR	Audio console	Calrec	1	SW5739		GPIO (8 optos, 8 relays) sub card	
MC 151 ACR	ACR EQUIPMENT	BITTREE	1	B96DC-HNAIT/E3 M2OU7B		969a - 2x48 2RU TT Patchbay, Front Selectable TRS Audio - E3 (3 pin ELCO connectors) / Half Normal, Isolated Grounds / 7" (17.78 cm) deep	
MC 151 ACR	ACR EQUIPMENT	360 Systems	1	360-DCEM3000		360 DIGICART-EX w/ETHERNET PORT XLR I/O AES/BNC I/O INT. 160GB HD INCLUDES SD CARD READER	
MC 151 ACR	ACR EQUIPMENT	360 Systems	1	360-DCEMRC320		360 DIGICART/E FULL-FUNCTION REMOTE	
MC 151 ACR	ACR EQUIPMENT	Shure	2	AD4QUS=-A		Four--channel receiver. Includes AD4Q, locking power and jumper cables, BNC bulkhead adapter, coaxial antenna, BNC cable assemblies, BNC cable, Ethernet cables, rackmount kit, and user guide. (470-636 MHZ)	
MC 151 ACR	ACR EQUIPMENT	Shure	1	UA844+V		Wireless mic receiver, Antenna distribution panel	
MC 151 ACR	ACR EQUIPMENT	Shure	2	UA806-RSMA		Wireless mic antenna cable, 6 foot in length	
MC 151 ACR	ACR EQUIPMENT	Shure	2	UA8100-RSMA		Wireless mic antenna cable, 100 foot in length	
MC 151 ACR	ACR EQUIPMENT	Blue Sky	1	AMC		Audio surround processor, remote control panel included	
MC 151 ACR	ACR EQUIPMENT	Neutrik	4	NADITBNC-MX		Transformer, Inline un-balanced AES to Balanced	
MC 151 ACR	ACR EQUIPMENT	Neutrik	4	NADITBNC-FX		Transformer, Inline balanced AES to un-Balanced	
MC 151 ACR	ACR EQUIPMENT	HP	2	D7R00A8#ABA		Dreamcolor Z27X	
MC 151 ACR	ACR EQUIPMENT	HP	1	Z4Y82A8#ABA		HP DreamColor Z31x Studio Display	
MC 151 ACR	ACR EQUIPMENT	AJA	3	HIS-12G		12G-SDI to HDMI 2.0 Converter	
MC 151 ACR	ACR EQUIPMENT	Genelec	9	8020DPM		4" LF/ 50W & .75" HF/ 50W. ISS™ Power Management. Producer Finish.	AC-L, AC-R, L, R, C, LSUR, R SUR, LREAR & RREAR
MC 151 ACR	ACR EQUIPMENT	Mount	9	Field Verify		Field Verify Speaker Wall Mount	
MC 151 ACR	ACR EQUIPMENT	Genelec	1	7050CPM		8" driver/ 130W class D amplifier.	
MC 151 ACR	ACR EQUIPMENT	Telos	1	HX6		Telephone Hybred, 6 POTS inputs, 3 analog line level inputs, 2 analog line level outputs	
MC 151 ACR	ACR EQUIPMENT	Telos	1	VSET6		Telephone handset, 6 lines, Livewire connection	
MC 151 ACR	ACR EQUIPMENT	Ross	1	DAC 8418-A		Distribution amp, Dual AES input, Quad AES & Analog outputs	
MC 151 ACR	ACR EQUIPMENT	BITTREE	1	S64T-1MWNNBK		12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU	
MC 151 ACR	INTERCOM	RTS	1	DKP4016		14 Position Key Panel with Menus and programming keypad, extended DSP Functions, 2 full HD colour displays, 2 channel OMNEO via RJ45 and fibre connection and standard analogue RTS matrix connection.	
MC 151 ACR	Broadcast Service Panels	Various	1	Broadcast Service Panels		Per Drawings	
MC 151 ACR	Wall Clock	American time - Or Equivalent	1	POE261RSE		Digital wall clock, POE, red display	
PMM (MC) INTERFACE							
MC 150 - Tech Core	ASI Encoders	Harmonic	2	ELC-X2S		ELC-X2S Assemble to Order (ATO) configuration	
MC 150 - Tech Core	ASI Encoders	Harmonic	2	ELC-X2S-G2-AC-GG-SA		ELC-X2S, 8 SDI input, 2xGbE IP input, 2xGbE IP output and up to 4 ASI outputs	
MC 150 - Tech Core	ASI Encoders	Harmonic	2	ELC-X2S-LIC-ATSC-IP- NP-BNDL6		ELC-X2S license. 6ch basic bundle. With 3x HD MPEG-2 + 3x SD MPEG-2 encoding licenses. 3x Dolby Digital Multi channel encoding . 9x stereo Dolby Digital encoding. 6x 608TO708-CC-XCODE. 6x statmux licenses. MUST be ordered with ELC- X2S-G2-AC-GG-S or ELC-X2S-G2-AC-GG-SA chassis	
MC 150 - Tech Core	ASI Encoders	Harmonic	2	ELC-XVM-FW		ELECTRA XVM FW ONLY ATO MODEL	
MC 150 - Tech Core	ASI Encoders	Harmonic	2	FW-ELC-XVM-ENC-HD- MP2		Firmware option for Electra XVM, enabling encoding of one MPEG2 channel in HD 1080i or 720p or MPEG2 SD 576i or 480i 4:2:0 format	
MC 150 - Tech Core	ASI Encoders	Harmonic	2	FW-PRM-XVM-TBL- SPOOLING		ProStream XVM firmware license enabling (P)SI/PSIP table carousel delivered from Triveni Generator. One per transport stream required	
MC 150 - Tech Core	ASI Encoders	Harmonic	1	PROSWITCH		PROSWITCH ATO MODEL	
MC 150 - Tech Core	ASI Encoders	Harmonic	1	PSW-1U-2AC-ASI		ProSwitch 1RU chassis with redundant AC power supply. 8 ASI input and 8 ASI output (including 4 bypass output). 10 GPI input and 4 free voltage contacts	
MC 150 - Tech Core	ASI Encoders	Harmonic	1	PSW-SW-BASE		ProSwitch software release. Enable product configuration, control and supervision (Web GUI and SNMP)	
MC 150 - Tech Core	ASI Encoders	Harmonic	1	PSW-LIC-ATS		ProSwitch License. Enable ATSC streams analysis and seamless switching . One license per chassis. Field upgrade allowed. ProSwitch software release required	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	ASI Encoders	Harmonic	1		PSW-LIC-ADV-SWITCH	ProSwitch Switching License. 1 + 1 switching license. Advanced TS input monitoring including TR101290 Priority 1/2/3 and advanced tests. One license required per switching function. Field upgrade allowed	
MC 150 - Tech Core	ASI Encoders	Harmonic	2		POWER-CAB-US-JAP	NetProcessor Hardware Option: Power cord for continental US and Japan	
MC 150 - Tech Core	ASI Encoders	Harmonic	1		SCTC-2	SYSTEM CHECK-OUT, TEST AND COMMISSIONING SERVICE. 2 days maximum. Inclusive of standard	
MC 150 - Tech Core	ASI Encoders	Harmonic	3		SLAST12R5	Standard Support, 12 Month term, 5 Day RMA shipping, 8am - 5pm Monday - Friday Local time	
MC 150 - Tech Core	ASI Encoders	Harmonic	3		SLASM12R0	Remote Telephone Support (Severity 1 Cases receive 24/7/365 remote technical support)	
MC 150 - Tech Core	SDI Distribution	Evertz	1		7800FR+78P	SOFTWARE MAINTENANCE SUPPORT, 12 MONTH TERM, NO RMA SHIPPING	
MC 150 - Tech Core	SDI Distribution	Evertz	1		7800FC+3RU	MULTIFRAME W/REDUNT SUPPLY	
MC 150 - Tech Core	SDI Distribution	Evertz	10		7700DA7-3G	FRAME CONTROLLER CARD	
MC 150 - Tech Core	SDI Distribution	Evertz	1		7814HDC-4K-12G	Distribution Amplifier, HD-SDI Video, 1x7, 3G in & out	
MC 150 - Tech Core	UHD PMM Interface	Evertz	1			UHD to 3G/HD Downconverter & Frame Synchronizer, 12G and quad-link SDI interface.	
MC 150 - Tech Core	UHD PMM Interface	Evertz	1		VPROC	Optional video proc/color correction support including RGB, YCbCr and Gamma proc plus RGB based color legalization	
MC 150 - Tech Core	UHD PMM Interface	Evertz	1		APROC	Optional audio processing support including 5.1 to stereo down-mixing (LoRo or LfRt), global audio delay, audio channel shuffling, gain, inversion and mono-mix capabilities on 16 channels of embedded audio	
MC 150 - Tech Core	UHD PMM Interface	Evertz	1		HDR	Colour space conversion between 709, 2020 and S.Gamut3. Dynamic range conversion between HLG, 2084/PQ, S.Log3 and SDR	
MC 150 - Tech Core	UHD PMM Interface	Evertz	2		SFP3TR-DIN-12G	SD/HD/3G/12G Reclocking SFP Transceiver, DIN 1.0/2.3 Connectors	
MC 150 - Tech Core	SDI Distribution	BITTREE	1		B64H-2MWTHD	Medium Density Mini-WECO (Midsize), 2x32, 1.5 RU Full Normal / Non-terminating / Black	3G PMM Patch
ARCHIVE UPGRADES							
MC 150 - Tech Core	MassStore Upgrade	Masstech	2		SWMS-TP100-003-P	Deepstorage/Onode	Upgrade for Existing Equipment
MC 150 - Tech Core	MassStore Upgrade	Masstech	1		SWMS-MC100-001-P	MAM connector	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	1		SWMS-AU100-001-P	Automation connector	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	2		PM-PS101-001	Project Management, Commissioning and Technical Support (On-Site and/or Remote)	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	1		PM-PS105-002	LTO Migration - more than 200 tapes (incl. temp license for 6 additional throughput units)	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	3		TBD	Dual 10GbE Card with 2 x MM SR SFP+	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	1		SPMT-CS301-001	Gold (24x7) Year 1 Support (18% of Software MSRP)	" "
MC 150 - Tech Core	MassStore Upgrade	Masstech	1		T&E	Travel and Expense Budget	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	1		90949120T200-F	FRU, Spectra T200 Drive Bay Assembly (DBA) with RIM/QIP cover plate -requires Professional Services Bay Installation option	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	1		90949740T200-F	FRU, 5V/12V Power pack, RoHS,T200	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	1		90949803	FRU, Spectra LS Generation 4 Upgrade (Qty 1)	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	2		90949784T200-F	FRU, LTO-8 Fibre Channel, Full-Height, Drive/Sled - T200.	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	4		9313	Optical Cable, LC-LC Duplex Multi-Mode, 10 meter	" "
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	1		91019818-F	FRU, Shared Library Services (SLS) - Direct Connect - T200	" "
MC 150 - Tech Core	T200 Services	SpectraLogic	1		91010565	Professional Services, Individual Preventive Maintenance Visit - T200 – Installation and Invoicing Terms and Conditions apply – see www.spectralogic.com/PS	" "
MC 150 - Tech Core	T120 Upgrade	SpectraLogic	1		90959306-F	FRU, Redundant Power Pack for Failover, 5/12V, RoHS, T120, (Does not include power cord)	" "
MC 150 - Tech Core	T120 Upgrade	SpectraLogic	1		90949803	FRU, Spectra LS Generation 4 Upgrade (Qty 1)	" "
MC 150 - Tech Core	T120 Upgrade	SpectraLogic	2		90959309-F	LTO-8 Drive/Sled, Half-Height, Fibre Channel, FRU T120 (includes 1 HH drive shelf).	" "
MC 150 - Tech Core	T120 Upgrade	SpectraLogic	2		9313	Optical Cable, LC-LC Duplex Multi-Mode, 10 meter	" "
MC 150 - Tech Core	T120 Upgrade	SpectraLogic	1		90959042-F	Shared Library Services (SLS) License - Direct Connect - T120	" "
MC 150 - Tech Core	T120 Services	SpectraLogic	1		90950538	Professional Services, Individual Preventive Maintenance Visit - T120 – Installation and Invoicing Terms and Conditions apply – see www.spectralogic.com/PS	" "
MC 150 - Tech Core	Services	SpectraLogic	1		90950524	Professional Services, Library DBA/TBA/RIM Bay Installation - requires ordering RIM/DBA covers for empty drive/RIM chambers. Installation and Invoicing Terms and Conditions apply – see www.spectralogic.com/PS	" "
MC 150 - Tech Core	Services	SpectraLogic	1		90950530	Professional Services, On Site Training/Consulting (per day) - T120 – Installation and Invoicing Terms and Conditions apply – see www.spectralogic.com/PS	" "
MC 150 - Tech Core	Materials	SpectraLogic	2		90949170	LTO Maintenance TeraPack includes: 10 LTO Cleaning Tapes with Certified Barcode Labels (mandatory for AutoDrive Clean functionality)	" "
MC 150 - Tech Core	Materials	SpectraLogic	15		90949367	LTO-7 Type M BaFe MLM TeraPack (Certified) - 10 LTO-7 Type M BaFe tapes, Certified Barcode Labels, and TeraPack with Dust Cover. Capacity 9TB native.	" "
MC 150 - Tech Core	Misc	SpectraLogic	1		SHIPINS	Shipping Insurance. Does NOT include Actual Shipping Cost	" "
MC 150 - Tech Core	T120 Support	SpectraLogic	1		90950500R	24 Month SpectraGuard Next Business Day On Site Support T120, 2LTO8, 1QIP, 120 Slots** s/n 0640504	" "
MC 150 - Tech Core	T200 Support	SpectraLogic	1		91010510R	24 Month SpectraGuard Next Business Day On Site Support T200, 4LTO8, 1RIM, 200 Slots** s/n 0952801	" "
PRODUCTION STORAGE							
MC 150 - Tech Core	Production Storage	EditShare	20		ES-EFS450-96TB 3U	16 x 6TB Drives / 2x 10GBaseT	XStream EFS 450 Node 96TB
MC 150 - Tech Core	Production Storage	EditShare	2		ES-EFS-MDC	XStream EFS Metadata Controller / 2x port 10GBASE-T NIC	XStream EFS Metadata Controller
MC 150 - Tech Core	Production Storage	EditShare	2		EF5-RAM-64GB	Additional 64 GB RAM (DDR4 2133 MHz ECC) for XStream EFS Controller	XStream EFS Controller RAM*

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Production Storage	EditShare	1		ESEFS-PDU-220	XStream EFS High Availability PDU Fencing Kit for 220VAC applications	XStream EFS High Availability PDU Fencing Kit for 220VAC applications
MC 150 - Tech Core	Production Storage	EditShare	22		ES10GBT-DUAL-IN	2 x 10G Base T port for EditShare Server	Dual Port 10G Base T Card
MC 150 - Tech Core	Production Storage	EditShare	25		ES10GIG-DualSFP+	2x port 10GbE SFP+ NIC for EditShare Server or Workstation	Dual Port 10GbE SFP+ NIC
MC 150 - Tech Core	Production Storage	EditShare	50		ES-10GIGFSR	SR Optical Transceiver for EditShare Server or Workstation (Multimode / OM3 - up to 300 Meters)	
MC 150 - Tech Core	Production Asset Mgmt	EditShare	2		FLDS-64TBX16	Flow Database Server 3U 64TB 16 x 4TB drives. Storage for proxy files - approx 120,000 hours / 1x 10GbE GBaseT	Flow Database Server 3U 64TB
MC 150 - Tech Core	Production Asset Mgmt	EditShare	5		ESFLOW-C10	10 concurrent user licenses for Browse, Logger and AirFlow	Flow - 10 Licenses
MC 150 - Tech Core	Production Asset Mgmt	EditShare	4		FLWN-1U	1U Dedicated Worker Node for AirFlow or scaling Automation and Transcoding tasks	Flow Worker Node
MC 150 - Tech Core	Production Asset Mgmt	EditShare	1		ESFLOW-AUTOMATION	Flow Automation Server 2U and Software / 1x 10GbE GBaseT	Flow Automation Server 2U
MC 150 - Tech Core	Production Asset Mgmt	EditShare	1		FLDS-RDL1	Provides High Availability for Flow Database with failover	Flow Redundant Database License
MC 150 - Tech Core	EditShare	EditShare	5		ES-6TB	6TB Spare Drive	6TB Spare Drive
MC 150 - Tech Core	EditShare	EditShare	1		ES-SUP	Support: Annual Support Contract (10% of system) Business hours support Includes the following support services:• Email, Phone, and Remote Support. • Access to the Helpdesk ticketing system • All "dot software" updates released during the period of the Support Agreement. • Advanced hardware swap out of all EditShare/Geevs (5 years only)	Support - 10%
MC 150 - Tech Core	EditShare	EditShare	5		ES-INST	On-site installation per day (includes expenses such as for travel, two day minimum)	EditShare On-Site Commissioning
MC 150 - Tech Core	EditShare	EditShare	5		ES-TRAIN	On-site Product Training per day (includes expenses such as for travel, two day minimum)	EditShare On-Site Training
NETWORK CORE							
MC 150 - Tech Core	Networking	Arista	2		DCS-7060CX2-32S-F	Arista 7060X2, 32x100GbE QSFP & 2xSFP+ switch, front-to-rear air, 2xAC, 2xC13-C14 cords	
MC 150 - Tech Core	Networking	Arista	4		DCS-7050TX-72Q-F	Arista 7050X, 48xRJ45 (1/10GBASE-T) & 6x40GbE QSFP+ switch, front-to-rear air, 2xAC, 2xC13-C14 cords	
MC 150 - Tech Core	Networking	Arista	7		DCS-7010T-48-F	Arista 7010T, 48x RJ45 (100/1000), 4 x SFP+ (1/10GbE) switch, front to rear air, 2x AC, 2xC13-C14 cords	
MC 150 - Tech Core	Networking	Arista	2		CAB-Q-Q-100G-2M	100GbE QSFP to QSFP twinax copper cable, 2M	
MC 150 - Tech Core	Networking	Arista	4		CAB-Q-Q-2M	40GbE QSFP+ to QSFP+ twinax copper cable, 2M	
MC 150 - Tech Core	Networking	Arista	6		CAB-SFP-SFP-0.5M	10GBASE-CR twinax copper cable with SFP+ connectors on both ends	
MC 150 - Tech Core	Networking	Arista	2		LIC-FIX-2-E	Enhanced L3 License for Arista Fixed switches, 40-132 port 10G (BGP, OSPF, ISIS, PIM, NAT)	
MC 150 - Tech Core	Networking	Arista	4		QSFP-40G-PLRL4	40G QSFP+ transceiver, up to 1km over parallel single-mode (4x10G LR up to 1km) MTP-12	
MC 150 - Tech Core	Networking	Arista	8		QSFP-40G-UNIV	40G QSFP+ Universal transceiver, up to 150m over OM3 duplex, or 500m over duplex single-mode fiber	
MC 150 - Tech Core	Networking	Arista	30		QSFP-40G-SR4-P	40GBASE-SR4 QSFP+ transceiver, up to 100m over parallel OM3 or 150m over OM4 multi-mode fiber	
MC 150 - Tech Core	Networking	Arista	12		SFP-10G-SR-P	10GBASE-SR SFP+ Optics Module, up to 300m over OM3 MMF or 400m over OM4 MMF	
MC 150 - Tech Core	Networking	Arista	2		SFP-10G-LRL-P	10GBASE-LRL SFP+ Optics Module, up to 1km over duplex SM	
MC 150 - Tech Core	Networking	Arista	1		SVC-7010T-1M-NB	12 Month A-Care Software & NBD Hardware Replacement/Same Day Ship for 7010T-48	
MC 150 - Tech Core	Networking	Arista	1		SVC-7050TX-72Q-1M-NB	12 Month A-Care Software & NBD Hardware Replacement/Same Day Ship for 7050TX-72Q	
MC 150 - Tech Core	Networking	Arista	1		SVC-7060CX2-32S-1M-NB	12 Month A-Care Software & NBD Hardware Replacement/Same Day Ship for 7060CX2-32S	
MC 150 - Tech Core	Networking	Leviton	2		5R4UM-F12	Fiber optic distribution panel, 12 adapter slots, 4RU rack mount	
MC 150 - Tech Core	Networking	Leviton	4		5R3UM-F09	Fiber optic distribution panel, 9 adapter slots, 3RU rack mount	
MC 150 - Tech Core	Networking	Leviton	12		5F100-2QL	Fiber optic adapter plate, OM4, (6) duplplex LC, (12) strand, Aqua in color	
MC 150 - Tech Core	Networking	Leviton	12		5F100-2LL	Fiber optic adapter plate, OS2, (6) duplplex LC, (12) strand, Blue in color	
MC 150 - Tech Core	Networking	Leviton	16		5F100-2LL	Fiber optic adapter plate, OS2, (6) duplplex LC, (12) strand, Blue in color	
MC 150 - Tech Core	Networking	TRIPP-LITE	4		N482-01U	Frame, holds 5 fiber breakout cassettes	
MC 150 - Tech Core	Networking	TRIPP-LITE	15		N482-3M8L12-B	Cassette, fiber optic breakout, 40G or 100G MTP to 10G or 25G, OM4, LC connectors, PIGTAILS	
MC 150 - Tech Core	Networking	TRIPP-LITE	4		N482-3M8L12S-B	40/100Gb Fiber Breakout Cassette with Built-In MTP Cables, 40Gb to 4 x 10Gb, 100Gb to 4 x 25Gb, (x3) 8-Fiber Singlemode MTP/MPO to (x12) LC Duplex 8.3/125	
MC 150 - Tech Core	Networking	Cisco	1		WS-C3850-24P-L	Cisco Catalyst 3850-24P-L - switch - 24 ports - managed	
MC 150 - Tech Core	Networking	Cisco	2		SmartNet	Extended service agreement replacement 8x5 response time: NBD	
MC 150 - Tech Core	Networking	Arista Certified Tech	1		Arista Certified Tech	Arista Swtich Configurations	
PRODUCTION INGEST/PLAYBACK							
MC 150 - Tech Core	Production Servers	Avid	1		9935-72360-03	FastServe Live Edit system Identifier	
MC 150 - Tech Core	Production Servers	Avid	1		9935-71994-00	Avid FastServe Live Edit HD/UHD Bundle	
MC 150 - Tech Core	Production Servers	Avid	2		9900-65632-00	Optical 10Gbps transceiver. 10GbE Ethernet SFP+ LC 300m range, SR 850nm wavelength	
MC 150 - Tech Core	Production Servers	Avid	1		TBD	RS-422 Breakout	
MC 150 - Tech Core	Production Servers	Avid	2		0541-60129-16	Avid Advantage, FastServe, ExpertPlus with Hardware Coverage Renewal	
MC 150 - Tech Core	Production Servers	Avid	1		9935-72552-00	Avid Professional Services, Avid FastServe Live Edit HD/UHD Bundle Install & Setup, W/O EXP	1xPM, 1xComm, 2xTraining
MC 150 - Tech Core	Production Servers	Avid	1		9935-72359-03	FastServe Ingest system Identifier	
MC 150 - Tech Core	Production Servers	Avid	1		9935-71993-00	Avid FastServe Ingest HD/UHD Bundle	
MC 150 - Tech Core	Production Servers	Avid	2		9900-65632-00	Optical 10Gbps transceiver. 10GbE Ethernet SFP+ LC 300m range, SR 850nm wavelength	
MC 150 - Tech Core	Production Servers	Avid	2		0541-60129-16	Avid Advantage, FastServe, ExpertPlus with Hardware Coverage Renewal	
MC 150 - Tech Core	Production Servers	Avid	1		9935-72450-00	Avid Professional Services, Avid FastServe Ingest HD/UHD Bundle Install & Setup, W/O EXP	1xPM, 1xComm, 1xTraining

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Production Servers	Avid	1		0550-30175-01	Avid Education, FS215 FastServe System Administration, (1/2 day class run 2x),1 day, onsite	
MC 150 - Tech Core	Production Servers	Avid	1		0555-30059-01	Travel and Expenses for Onsite, Video	
MC 150 - Tech Core	Server 12G Interface	Evertz	1		7800FR+78P	MULTIFRAME W/REDUNT SUPPLY	
MC 150 - Tech Core	Server 12G Interface	Evertz	1		7800FC+3RU	FRAME CONTROLLER CARD	
MC 150 - Tech Core	Server 12G Interface	Evertz	8		7800MDM-12G-HDBNC-R+3RU	12G SDI to/from Quad-Link 3G SDI bi-directional converter. Removable HDBNC connectors for 12G ports. Includes MTR-HDBNC-12G-2 - Replaceable Module for 12G-SDI transceiver	
MC 150 - Tech Core	Production Skype Server	Telos Axia	1		TEL-200100298R	AXIA ANALOG XNODE AoIP INTERFACE	
MC 150 - Tech Core	Production Skype Server	Newtek	1		TSVS-100	8 MONO OR 4 STEREO BALANCED INPUTS/ OUTPUTS, AC & PoE	
MC 150 - Tech Core	Production Skype Server	Newtek	1		PTTSVS-100	TalkShow VS 100	
MC 150 - Tech Core	Production Skype Server	Newtek	1		EHWTSVS-100	ProTek Care for TalkShow VS 100 (initial 2 year coverage)	
MC 150 - Tech Core	Production Skype Server	Newtek	1		RR1RU	2-Year Hardware Warranty for TalkShow VS 100 (1 year Extension plus 1 year Standard Warranty)	
MC 150 - Tech Core	Production Skype Server	Newtek	1			Rack Rails for 1RU (available for NC1I/O, NC1IN, NVG1-D, NVG1-S, TSVS-4000, TSVS-100 and MDS1)	
COMPUTER GRAPHICS							
MC 150 - Tech Core	Production Graphics	Ross	1		XSTF-0001	XPression Studio Flex Channels (SW Only)	
MC 150 - Tech Core	Production Graphics	Ross	1		XPN-4RU-12G-M7	XPression 4RU 12G Chassis (HW Only)	
MC 150 - Tech Core	Production Graphics	Ross	1		XST-DLQ	DataLinq Server Option	
MC 150 - Tech Core	Production Graphics	Ross	2		XPRESSION-COM-1DAY	XPression Commissioning - 1 Day	
MC 150 - Tech Core	Production Graphics	Ross	3		XPRESSION-OTR-1DAY	XPRESSION-OTR-1DAY	
MC 150 - Tech Core	Production Graphics	Ross	1		TRAVEL-PRE-001	Pre Paid Service Expense Trip 1	
MC 150 - Tech Core	Production Graphics	MATROX	1		AVIO F125 F (TX AND RX)	Dual-DVI Fiber Optic KVM Extender (AV-F125TXF and AV-F125RXF)	
INTERCOM CORE							
MC 150 - Tech Core	INTERCOM	RTS	1		DSI 2008	Digital System to System Interface adapter - 2 channels of RTS TW to 4 wire conversion or 1 channel of RTS TW to 2 wire conversion (replaces SSA-424 & SSA-424A).	TC 15
MC 150 - Tech Core	INTERCOM	RTS	1		PS-20	1.8 amp per channel in 2ch mode power supply for 25 stations,. Features 2 and 4 channel operation, monitoring, 2ch program input, audio linking and 3-mode of operation: RTS 2ch, RTS 4ch and Clear-Com mode. 110-240v 1RU by 1/2 rack wide. UL/CE approved.	TC 15
MC 150 - Tech Core	INTERCOM	RTS	1		KP4016	14 Position Key Panel with Menus and programming keypad, extended DSP Functions, 2 full HD colour displays, 2 channel OMNEO via RJ45 and fibre connection and standard analogue RTS matrix connection.	TC 14
MC 150 - Tech Core	INTERCOM	RTS	1		KP4016	14 Position Key Panel with Menus and programming keypad, extended DSP Functions, 2 full HD colour displays, 2 channel OMNEO via RJ45 and fibre connection and standard analogue RTS matrix connection.	Floating / Spare
MC 150 - Tech Core	INTERCOM	RTS	1		ADAM-M-US	ADAM-M Digital Matrix Communication System. 3RU x 19" rack mounting. Expandable to 128 x 128.	TC15
MC 150 - Tech Core	INTERCOM	RTS	2		AIO-16A	AIO-16 Frontcard (Standard)	TC15
MC 150 - Tech Core	INTERCOM	RTS	2		RJ45BC ADM M	RJ45 back card for the ADAM M supports16 port of either USOC or 568B cabling.	TC15
MC 150 - Tech Core	INTERCOM	RTS	2		MCIE-S	MCIE-S, Master Controller Card Kit	TC15
PATCH BAYS							
MC 150 - Tech Core	Patch Panels	OPTICAL CABLE CORP	3		RC2U88LSISP02R88A	CAMERA PATCH PANEL	
MC 150 - Tech Core	Patch Panels	BITTREE	12		S64H-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 1.5 RU	
MC 150 - Tech Core	Patch Panels	BITTREE	1		S64S-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 1 RU	
MC 150 - Tech Core	Patch Panels	BITTREE	1		B64T-2MWNHD	Medium Density Mini-WECO (Midsize), 2x32, 2 RU - Full Normal / Non-terminating / Black	AES Patch
MC 150 - Tech Core	Patch Panels	BITTREE	3		S96T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 3X32, 2 RU	
MC 150 - Tech Core	Patch Panels	BITTREE	1		B96DC-HNAIT/E3 M2OU7B	969a - 2x48 2RU TT Patchbay, Front Selectable TRS Audio - E3 (3 pin ELCO connectors) / Half Normal, Isolated Grounds / 7" (17.78 cm) deep	
MC 150 - Tech Core	Patch Panels	BITTREE	1		B96DC-FNRSS/E3 M2OU12B	968s - 2x48 1RU TT Patchbay, Internally Selectable TRS Audio E3 (3 pin ELCO connectors) / Full Normal, Switched Grounds / 7" deep chassis	GPI Patch
MC 150 - Tech Core	Patch Panels	BITTREE	325		LPMK7502	12G+ MINI-WECO 75 OHM VIDEO LOOPING PLUGS - RED	
MC 150 - Tech Core	Patch Panels	BITTREE	20		VPCMK4806-75	12G+ Mini-WECO (Midsize) 75 ohm Video Patch Cables - 48" (120 cm) / Blue	
MC 150 - Tech Core	Patch Panels	BITTREE	20		VPCMK7206-75	12G+ Mini-WECO (Midsize) 75 ohm Video Patch Cables - 72" (180 cm) / Blue	
MC 150 - Tech Core	Patch Panels	BITTREE	30		BPC2402-110	TT (Bantam) 110 ohm Audio Patch Cables - 24" (60 cm) / Red	
KVM HARDWARE							
MC 150 - Tech Core	KVM	Dell	2		P2219H	Dell 22 Monitor - P2219H	
MC 150 - Tech Core	KVM	Synergy Global	2		LCDK1034 BK-U	Key board drawer, Side mouse pad, Mouse storage, PS2 or USB	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	KVM	HP	1		Z2 - Config to Order	HP Z2 Mini G3 Entry Workstation (X8U88AV) Windows 10 Pro 64 Intel® Core™ i5-7500 Processor (3.4 GHz, up to 3.8 GHz w/Turbo Boost, 6 MB cache, 4 cores) + Intel HD Graphics 630 ENERGY STAR Qualified Configuration 16 GB (1x16 GB) DDR4-2400 SODIMM Memory 1 TB 7200 RPM 9.5mm SATA 2.5" HDD Operating System Load to SATA HP Remote Graphics Software (RGS) for Z USB Business Slim Wired Keyboard HP Premium Wired USB Mouse Three-year (3-3-3) limited warranty Single Unit Packaging Z2 Mini G3 Country Kit US	
MC 150 - Tech Core	KVM	Rack Solutions	2		163-6008	Rack Monitor Mount, 4 Way Pivot arm, VESA mount	
MC 150 - Tech Core	KVM	Raritan	1		DKX3-832	KVM erver matrix, 32 server ports, up to 8 users, DVI-D Video output	
MC 150 - Tech Core	KVM	Raritan	20		D2CIM-DVUSB	Computer interface module, (CIM), dual USB, VGA	
MC 150 - Tech Core	KVM	Raritan	2		D2CIM-DVUSB-HDMI	Computer interface module, (CIM), dual USB, HDMI	
MC 150 - Tech Core	KVM	Raritan	2		D2CIM-DVUSB-DP	DisplayPort, USB CIM	
MC 150 - Tech Core	KVM	Raritan	4		DKX3-UST	Remote user station, IP connection	
MC 150 - Tech Core	KVM	Raritan	1		RACK-KIT-DKX3-UST	1U 19" Rack Mount Kit for Dominion KX III User Station DKX3-UST	
CONFIDENCE MONITORING							
MC 150 - Tech Core	Camera Monitors	WOHLER	2		RM-2443WS-3G	Wohler RM-2443WS-3G Quad 4.3 Inch 16:9 Widescreen LCD Video Monitor - 3G/HD/SD-SDI/Composite/Embedded Audio - 2RU	
MC 150 - Tech Core	Confidence Demod	BLONDER TONGUE	4		HDDM W/HD-SDI	HD Decoder Module with HD-SDI	24.1 - 24.4
MC 150 - Tech Core	Confidence Demod	BLONDER TONGUE	2		HDDM-RP-2	HDDM Rack Mount Panel	
MC 150 - Tech Core	Confidence Demod	AJA	4		HA5-PLUS	HDMI to 3G-SDI Mini-Converter	HDMI Out of HDDM to Wohler
MC 150 - Tech Core	Confidence Demod	WOHLER	2		RM-2443WS-3G	Quad 4.3" 16:9 Widescreen LCD Video Monitor, 3G/HD/SD-SDI, Composite. Audio/Video Metering, 2RU	
MC 150 - Tech Core	Utility Recorder	JVC	1		SR-HD2700US	BLU-RAY DISC & HDD RECORDER w/HDSDI	
MC 150 - Tech Core	QAM Modulation	THOR DIGITAL	1		H-4SDI-QAM-IPLL	4 SDI to QAM Modulators and IPTV Streaming Encoder	
MC 150 - Tech Core	Utility Servers	HP	2		DL360 - Config to Order	HP DL360p Gen9 8-SFF Server, Dual 6-Core Intel E5-2603v4 1.7GHz Processors, 16GB RAM, 2x 1TB 12G SAS 7.2K, 25FF HDD Expansion Kit, 2x 1.83m 10A C13-UL US Pwr Cord, Ethernet 1GbE 4P 331FLR Adptr, P440ar/2GB Ctrl, 1U SFF BB Rail Kit, 2x 800W FS Plat Ht Plg Pwr Supply Kit, Windows Server 2016 Std Not Pre-installed	Tony Papa 'Sandbox' Servers
VIDEO ROUTING / PROCESSING							
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	EQXUHD-10-ADMX-PKG	Package for a 12G video and audio router consisting of a 10RU router frame capable of 12G-SDI, one frame controller, one power supply, one hybrid Video and audio crosspoint capable of 12G-SDI routing, the package also included MAGNUM control system	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	3	YES	EQX-PS	Power Supply Module	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	EQX-FC	Controller Module	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	7	YES	EQXUHD-IP16	16 port input card with Frame buffering feature and license key to enable 12G-SDI and TDM processing capabilities	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	8	YES	EQXUHD-OP16	16 port output card with clean switch capabilities and license key to enable 12G-SDI and TDM processing capabilities,	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	7	YES	EQXUHD-FK-12G	12G feature key for Input Cards, Feature Key to enable 12G-SDI on EQXU Input and output modules,	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	8	YES	EQXUHD-FK-12G	12G feature key for Output Cards, Feature Key to enable 12G-SDI on EQXU Input and output modules	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	15	YES	EQXUHD-FK-TDM	Feature Key to enable TDM on all input and output cards. Feature key to enable TDM on EQXU input and output modules	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	EQXUHD-XPT-160-ADMX	Second 12G crosspoint for redundancy, 160x160 12G-SDI video crosspoint with a integrated ADMX for audio routing used in EQXUHD 10RU router	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	EQX10-XPTG-180X288	XLINK Crosspoint for Multiviewer (3G Copy) 180x288 XPT to be used in the EQX10FR and EQX10FR-XLINK frames (EQX10FR-XLINK frame only, in 3rd slot 180 inputs to 9 XLINK)	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	EMX6-FR-1000W+6PS	Modular frame that provides platform for system wide functionality. 6RU frame with expandability options. Provides fifteen (15) slots for EMR/EMC modules. Supports redundant frame controllers and power supplies. Includes main and redundant 1000W power supplies.	Owner Furnished Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	2	YES	EMX-FC	Frame controller for EMX frames, provides Ethernet interface for external control and monitoring	Owner Furnished Integrator Installed

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	3067VIPX-HW-A+16x4	3067VIPX hardware platform allow 16 or 32 auto sensing 3G,HD and SD input via Xlink, to 4 display outputs at 1080p or 2x 4K (UHD) output. Software licenses ordered separately. Feature key to enable 16 input to 4 output	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	+MCR	Advance Monitoring Option, Includes: SCTE104 triggers monitoring, VHCIP , CC/Teletext, Dolby-E monitoring, Loudness monitoring also includes standard monitoring	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	XLINK-BHP-5-EQX1FR	5m Split X-Link cable for use with AVIP or AVOP in a box systems (for EQX1-IP16AD-3G-2TDM-XO & EQX-OP16AE-3G-2TDM-XI)	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	3067VIPX-HW-A-HDR+32x4+MCR	3067VIPX hardware platform allow 16 or 32 auto sensing 3G,HD and SD input via Xlink, to 4 HDR display outputs at 1080p or 2x 4K (UHD) output. Software licenses ordered separately. Feature key to enable 32 input to 4 output. Advance Monitoring Option Includes: SCTE104 triggers monitoring, VHCIP , CC/Teletext, Dolby-E monitoring, Loudness monitoring also includes standard monitoring	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	XLINK-BHP-5	5m X-Link cable	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	MAGNUM-SR-VA1	Main Hardware included with the package MAGNUM Unified Control System specifically tuned for Midsized systems that would include a single EQX and EMR-ADMX-16x16, this base package includes server hardware and router control base module. MAGNUM-MULTIVIEWER and MAGNUM-TALLY modules can be added for additional functionality.	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	MAGNUM-MULTIVIEWER	MAGNUM software module for centralized management of all Evertz Multiviewer device hardware configuration and control. 1st-year software maintenance included, additional years available for purchase. Requires either MAGNUM-HW or other certified 3rd party computer server hardware (HP DL360 G5/G6/G7)	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	MAGNUM-MULTIVIEWER-R	Redundant software module for MAGNUM-Multiviewer. Requires licensed MAGNUM-Multiviewer and either MAGNUM-HW or other certified 3rd party computer server hardware (HP DL360 G5/G6/G7).	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	3	YES	Extended Warranty-1	Annual subscription for Evertz Standard Extended Hardware Warranty. Available for up to a maximum of four (4) additional years of Hardware Warranty, for a total of five (5) consecutive years of Standard Hardware Warranty.	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	3	YES	Magnum Annual Maintenance	Annual renewal license for MAGNUM components as documented within this quotation. This renewal license covers any component upgrade (and support for upgrade) that becomes available during the renewal period.	Owner Fulfilled Integrator Installed
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	Training	1 day Training. Note: Customer is responsible for contacting Evertz Service Department or Factory to set training dates & times. **Training must be executed within ONE (1) year of date of invoice, no credit will be issued for unused training** A minimum of 4 weeks notice for international or 2 weeks notice for US customers is required for bookings, which are subject to availability and scheduling. All training is expected to take place in the country listed in the ship to address of this quote. If Training is to take place in a country other than that stated on this quote, the price quoted for training on this quote is not valid and must be re-quoted prior to purchase.	Owner Fulfilled Integrator Coordinated
MC 150 - Tech Core	Video Routing and Processing	Evertz	2	YES	Commissioning	1 day commissioning. Note: Customer is responsible for contacting Evertz Service Department or Factory to set commissioning dates & times. **commissioning must be executed within ONE (1) year of date of invoice, no credit will be issued for unused commissioning** A minimum of 4 weeks notice for international or 2 weeks notice for US customers is required for bookings, which are subject to availability and scheduling. All commissioning is expected to take place in the country listed in the ship to address of this quote. If commissioning is to take place in a country other than that stated on this quote, the price quoted for commissioning on this quote is not valid and must be re-quoted prior to purchase.	Owner Fulfilled Integrator Coordinated
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	Expenses	Travel, accommodations and other reasonable out of pocket expenses.	Owner Fulfilled Integrator Coordinated
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	YES	Freight	Shipping	Owner Fulfilled Integrator Coordinated
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		XLINK-BHP-5	5m X-Link cable	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		EMR-I08-MADI	8 IN 8 OUT MADI TO TDM	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7800FR+78P	MULTIFRAME W/REDUNT SUPPLY	
MC 150 - Tech Core	Video Routing and Processing	Evertz	2		7800MDM-12G-HDBNC-R+3RU	12G SDI to/from Quad-Link 3G SDI bi-directional converter. Removable HDBNC connectors for 12G ports. Includes MTR-HDBNC-12G-2 - Replaceable Module for 12G-SDI transceiver	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7800FC+3RU	FRAME CONTROLLER CARD	
MC 150 - Tech Core	Video Routing and Processing	Evertz	6		7700DA6-EQ-L+3RU	ANLG VID DA W/ 3RU BACKPLANE	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7851TG2-3G	3G/HD/SD-SDI Advanced Dual Test Signal Generator	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7700DA7-3G+3RU	HD DA W/ 3R BACKPLANE	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7700ADA-AUD	Balanced Analog Audio Distribution Amplifier	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7700PTX-MV5+3RU	SONY PRTCL CONV W/ BACKPL	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1		7800TM2-3G+3RU	VANC INSERTER W/ BACKPLANE	
MC 150 - Tech Core	Video Routing and Processing	Evertz	2		5601MSC+2PS	Master SPG (master clock system includes 6 bi-level/tri-levelsync outputs, 5/10 mhz output, 48 khz word clock output, 2 LTC outputs, loop thru genlock, 5/10 mhz input, LTC input and 1 power supply. Redundant power supply	
MC 150 - Tech Core	Video Routing and Processing	Evertz	2	4K		2nd generation master sync and clock generator 5601MSC. Optional support for 4K test signal generator	
MC 150 - Tech Core	Video Routing and Processing	Evertz	2	GP		GPSOption(includesGPSreceiverand50'weatherproofcable)	
MC 150 - Tech Core	Video Routing and Processing	Evertz	2	PTP		Support for precision time protocol - master mode	
MC 150 - Tech Core	Video Routing and Processing	Evertz	1	5700ACO		Automatic Changeover for the 5700 Series Master Sync and Clock Generator	
MC 150 - Tech Core	Video Routing and Processing	Ross	4	OGX-FR-CN		Frame for openGear Cards. Modular Rear (I/O Modules not included). Can mix and match any signal types with appropriate Rear Modules. 20 openGear card slots, 1 controller slot, and 1 reference slot. Includes advanced network controller, reference card, cooling system and one PS-OGX 600 watt power supply; redundant supply available.	
MC 150 - Tech Core	Video Routing and Processing	Ross	4	PS-OGX		Redundant or Spare Power Supply for OGX Frame. High Efficiency Design provides 600 watts of output power. Universal Input 90 to 264 volts, Power Factor corrected, built-in Cooling Fan.	
MC 150 - Tech Core	Video Routing and Processing	Ross	1	DRA-8804-R2H		Dual 3G Reclocking DA w/ HD-BNC Rear Module	
MC 150 - Tech Core	Video Routing and Processing	Ross	1	DAC-8418-A-R2A		Program quality AES/EBU to Analog Audio Conversion with 24-bit DAC Internal audio processing with independent channel, gain, master gain, mono mix and left/right only For use in 75 ohm coaxial systems at 32, 44.1, 48, and 96 kHz sampling rates 2 Unbalanced AES-3id Inputs, 4 reclocked AES outputs, 4 Analog outputs Occupies 2 Slots in an openGear frame	
MC 150 - Tech Core	Video Routing and Processing	Ross	1	HDC-8223A-R2		HD Downconverter and Distribution Amplifier with 10-BNC Rear Module High quality downconverter with 4 reclocked outputs and 4 configurable SD/analog outputs Aspect ratio conversion with reticule overlays for full aperture and safe area Occupies 2 Slots in an openGear frame 1 3G/HD/SD SDI Input with 4 Reclocked Copies, 4 configurable SD SDI/analog outputs Includes R2-8223 Rear Module. Installs in openGear frames.	
MC 150 - Tech Core	Video Routing and Processing	Ross	2	QRA-8808-R2H		Four Independent Channels of 3G/HD/SD-SDI Reclocking Distribution on one card Dual 1x4 + Dual 1x3 with R2H high density rear module Occupies 2 Slots in an openGear frame	
MC 150 - Tech Core	Video Routing and Processing	Ross	39	SRA-8901-4-R3S		1x4 12G/6G3G/HD/SD SDI, MADI and ASI distribution with Automatic Reclocking and Equalization. Includes R3S-8901-4 rear module which accommodates 2 SRA-8901 cards, and is compatible with the OG3-FR frame only.	
MC 150 - Tech Core	Video Routing and Processing	Ross	3	UDA-8705A-R2L		Analog Video Utility Distribution Amplifier with 20-Slot Frame Rear Module, R2L-8705, Looping input. Occupies 2 Slots in an openGear frame 1 input/8 Out with passive loop through	
MC 150 - Tech Core	Video Routing and Processing	Ross	4	ADA-8405-C-R2C		Universal 1x8 analog audio distribution amplifier with internal audio processing	
MC 150 - Tech Core	Video Routing and Processing	AJA	1	12GM		12G-SDI to/from SDI Muxer/DeMuxer	MV MUX
MC 150 - Tech Core	Video Routing and Processing	AJA	2	FS4		AJA 4-Channel 2K/HD/SD or 1-Channel 4K/UHD Frame Synchronizer	
MC 150 - Tech Core	Video Routing and Processing	AJA	3	HDBNC-2TX-12G		2G/6G-SDI Dual Coax HD-BNC Transmitter	Plus 1 for existing FS 4
MC 150 - Tech Core	Video Routing and Processing	AJA	3	HDBNC-2RX-12G		12G/6G-SDI Dual Coax HD-BNC Receiver	Plus 1 for existing FS 4
ENGINEERING QC							
MC 150 - Tech Core	Wall Clock	American time - Or Equivalent	2		POE261RSE	Digital wall clock, POE, red display	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600	WAVEFORM MONITOR	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER02	SD, HD, 3G SDI input and eye pattern display	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER28	4K video signal correspondence function	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER29	12G-SDI compatible	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER23	HDR measurement function	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER25	Focus assist display Function	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER03	Digital/analog Audio input/output and display	
MC 150 - Tech Core	Video QC	LEADER	1		LV5600-SER24	SDI Signal Generation Function	
MC 150 - Tech Core	Video QC	BOLAND	1		4K17-HDR	17" 4K Pro HDR Monitor	
MC 150 - Tech Core	Video QC	BOLAND	1		Rack Mount Kit	4K17-HDR rack mount kit	
MC 150 - Tech Core	Video QC	EVERTZ	1		CP2116E	FULL CONTROL X/Y ROUTER PANEL inc. EMR-IO8-MADI REAR PLATE	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Video QC	HP	1	Z2 - Config to Order		HP Z2 Mini G3 Entry Workstation (X8U88AV) Windows 10 Pro 64 Intel® Core™ i5-7500 Processor (3.4 GHz, up to 3.8 GHz w/Turbo Boost, 6 MB cache, 4 cores) + Intel HD Graphics 630 ENERGY STAR Qualified Configuration 16 GB (1x16 GB) DDR4-2400 SODIMM Memory 1 TB 7200 RPM 9.5mm SATA 2.5" HDD Operating System Load to SATA HP Remote Graphics Software (RGS) for Z USB Business Slim Wired Keyboard HP Premium Wired USB Mouse Three-year (3-3-3) limited warranty Single Unit Packaging Z2 Mini G3 Country Kit US	
MC 150 - Tech Core	Video QC	WOHLER	1	AMP2-S8-MDA		8 Channel, 3G/HD/SD-SDI, AES, Analog Audio Monitor. 2RU	
RADIO AUTOMATION							
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	ONAIR EZ UPGRADE		Upgrade EZ Module key to full ON AIR Bundle. Must be covered under support	ON-AIR (26D7)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	W3U-SATA		3U Rack Mountable Win7x64 Workstation with 8-GB RAM, 1-TB SATA HD, Intel Core i5 processor, Dual NIC, Slide Mounting Rails. Includes three year Warranty	ON-AIR (26D7)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	HD-SATA-1TB		1-TB SATA HD option for W3U or WMT Workstations	ON-AIR (26D7)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	REDPS		Redundant Power Supply option for W3U Workstation	ON-AIR (26D7)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	AXIAIP8		AXIA Multichannel IP 8 play and 8 record Audio Driver	ON-AIR (26D7)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	ONAIR EZ UPGRADE		Upgrade EZ Module key to full ON AIR Bundle. Must be covered under support	PROD (18EB)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	W3U-SATA		3U Rack Mountable Win7x64 Workstation with 8-GB RAM, 1-TB SATA HD, Intel Core i5 processor, Dual NIC, Slide Mounting Rails. Includes three year Warranty	PROD (18EB)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	HD-SATA-1TB		1-TB SATA HD option for W3U or WMT Workstations	PROD (18EB)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	REDPS		Redundant Power Supply option for W3U Workstation	PROD (18EB)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	AXIAIP8		AXIA Multichannel IP 8 play and 8 record Audio Driver	PROD (18EB)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	CUTSERVER-CLIENT		Add Cutserver Client to PD License	PD (18EC)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	W3U-SATA		3U Rack Mountable Win7x64 Workstation with 8-GB RAM, 1-TB SATA HD, Intel Core i5 processor, Dual NIC, Slide Mounting Rails. Includes three year Warranty	PD (18EC)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	HD-SATA-1TB		1-TB SATA HD option for W3U or WMT Workstations	PD (18EC)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	REDPS		Redundant Power Supply option for W3U Workstation	PD (18EC)
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	AXIAIP8		AXIA Multichannel IP 8 play and 8 record Audio Driver	PD (18EC)
MC 150 - Tech Core	ENCO Upgrade	ENCO	4	DAD-ADMIN		Radio Automation Software License for Administrator use	ADMIN
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	DAD-SERVER		Radio Automation Software License for Servers	KVCR-FS
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	SERVER-2T-SATA		2U Server with 12-GB RAM, Dual Intel Xeon processors, RAID5 6 X 500-GB SATA HD (Includes 5 User CAL's - Additional User's Extra). Includes three year Warranty	KVCR-FS
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	SWTX-24G		24 Port managed switch	KVCR-FS
MC 150 - Tech Core	ENCO Upgrade	ENCO	3	ONSITE-DAD		Price is per day of onsite for DAD and does not include expenses related to travel, lodging, meals, transportation, etc	SERVICES
MC 150 - Tech Core	ENCO Upgrade	ENCO	1	ENCO-T&E		Travel and Expenses	SERVICES
MC 150 - Tech Core	Axia Upgrade	Cisco	1	WS-C3850-24P-L		Cisco Catalyst 3850-24P-L - switch - 24 ports - managed	
MC 150 - Tech Core	Axia Upgrade	Cisco	2	SmartNet		Extended service agreement replacement 8x5 response time: NBD	
MC 150 - Tech Core	Axia Upgrade	Axia	2	TEL-200100299R		AXIA AES/EBU xNODE AoIP INTERFACE 4 ST. CHANNEL I/O	
MC 150 - Tech Core	Audio Contribution	Comrex	1	ACCESS-RACK		Rackmount Stereo BRIC IP/POTS Codec (9500-0400)	Remote Contribution
MC 150 - Tech Core	Radio Production	Axia	1	TEL-200100306R		AXIA STUDIO MIX ENGINE 2U FANLESS REQ'D 1 FOR EA CONTROL SURFACE	Virtual Control Surface in MC173
TRANSCODING SYSTEM							
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-LS-G6-WW-SVR		G6 Lightspeed	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-MYRICOM-10G-DUAL		DualCh 10Gb/s Ethernet over fibre w/SR Transceiver	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-XCODE-IPTV-SW		Vantage Transcode IPTV VOD: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-XCODE-MULTI-SW		Vantage Transcode Multiscreen: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-XPROCINN-SW		Vantage Transcode Pro Connect: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-SOCMED		Video and metadata for Social Media sites	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-SOCPROPKG-SW		Professional Packaging option for Vantage Social	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	3	V-PORTAL		Vantage Workflow Portal: One Client Access license, Floating	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-CAMERA-SW		Vantage Camera Ingest: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	V-ANLD-PRO-SW		Vantage Analysis Pro	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	CK-BASE		Vidchecker Base System: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	CK-COR		Vidchecker Correction Option: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	CK-PSE-COR		Vidchecker PSE Correction Option: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	VAMP		Vidchecker Advanced Media Player, Single Server License	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 150 - Tech Core	Telestream Lightspeed	HP	1		DL360 - Config to Order	HPE DL360 Gen9 8SFF CTO Server (1) HPE DL360 Gen9 8SFF CTO Server (1) HPE DL360 Gen9 E5-2603v4 FIO Kit (1) HPE DL360 Gen9 E5-2603v4 Kit (2) HPE 16GB 1Rx4 PC4-2400T-R Kit (2) HPE 1TB SATA 7.2K SFF SC DS HDD (2) HPE 240GB SATA MU SFF SC DS SSD (1) HPE Smart Array P440/4G FIO Controller (1) HPE FlexFabric 10Gb 2P 556FLR-SFP+ Adptr (2) HPE BLc 10G SFP+ SR Transceiver (2) HPE 500W FS Plat Ht Plg Pwr Supply Kit (2) HPE 1.83m 10A C13-UL Dom Pwr Cord (1) HPE DL360 Gen9 SFF P440/H240 SAS Cables (1) HPE 1U SFF Easy Install Rail Kit (1) HPE ProLiant DL360 Gen9 Support	VidChecker Server
MC 150 - Tech Core	Telestream Lightspeed	Telestream	3		TRAINING	3 days training(2500/day)	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	5		COMMISSIONING-FP	5 Days standup (2500/day)	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	10		WKFLOW-OFFSITE-FP	5 days offsite work (1750/day)	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1		Telestream T&E	Travel and Expense	
EDITING WORKSTATIONS - MAC							
PP 1-9 / FNX 8-13	iMac Editing System	Apple	15		iMac Pro - Custom Config	2.3GHz 18-core Intel Xeon W processor, Turbo Boost up to 4.3GHz 64GB 2666MHz DDR4 ECC memory Radeon Pro Vega 64 with 16GB of HBM2 memory 1TB SSD Magic Mouse 2 - Space Gray Magic Keyboard with Numeric Keypad - US English - Space Gray	
PP 1-9 / FNX 8-13	iMac Editing System	Logic Keyboard	15		LKB-MCOM4-AMBH	Avid Media Composer Mac Backlit ASTRA Keyboard	
PP 1-9 / FNX 8-13	iMac Editing System	Logic Keyboard	15		LKB-PPROCC-AMBH	Adobe Premiere Pro CC Mac Backlit ASTRA Keyboard	
PP 1-9 / FNX 8-13	iMac Editing System	Apple	15		MC704LL	USB to Ethernet Cable	
PP 1-9 / FNX 8-13	iMac Editing System	Apple	15		MQ4H2AM/A	Apple Thunderbolt 3 Cable (2.6', White)	
PP 1-9 / FNX 8-13	iMac Editing System	OWC	15		OWCTB3DK12PSG	OWC 12 Port Thunderbolt 3 Dock (Space Gray)	
PP 1-9 / FNX 8-13	iMac Editing System	Sony	15		MRW-E90	XQD/SD Card Reader	
PP 1-9 / FNX 8-13	iMac Editing System	Blackmagic	15		BDLKULSR4KEXTR3	UltraStudio 4K Extreme 3	
PP 1-9 / FNX 8-13	iMac Editing System	Mackie	30		MR524	Mackie MR524 - 5" Powered Studio Monitor	
PP 1-9 / FNX 8-13	iMac Editing System	Sennheiser	15		506845	Sennheiser HD 280 Pro Circumaural Closed-Back Monitor Headphones	
PP 1-9 / FNX 8-13	iMac Editing System	Mackie	15		802VLZ4	Mackie 802VLZ4 Mixer	
PP 1-9 / FNX 8-13	iMac Editing System	Logictech	15		910-001204	CORDED MOUSE M500	
PP 1-9 / FNX 8-13	iMac Editing System	Avid	15		9938-30116-00	AVID MEDIA COMPOSER ULTIMATE 1-YEAR SUBSCRIPTION	
PP 1-9 / FNX 8-13	iMac Editing System	Adobe	15	YES	CCTVIP	ADOBE CREATIVE CLOUD FOR TEAMS	
PP 1-9 / FNX 8-13	iMac Editing System	APC	9		SMT1000C	Smart-UPS 1000VA with APC SmartConnect	MC 128 Systems Only
PP 1-9 / FNX 8-13	iMac Editing System	Dell	15		210-ARCZ/0JHN8	Dell UltraSharp 27 USB-C Monitor: U2719DC	
PP 1-9 / FNX 8-13	iMac Editing System	Sony	3		XBR-55X900F	X900F LED 4K Ultra HD High Dynamic Range (HDR) Smart TV	
PP 1-9 / FNX 8-13	iMac Editing System	Mount	3		Field Verify	HDMI Switch	
PP 1-9 / FNX 8-13	iMac Editing System	Mount	3		Field Verify	Mounting for 55" Sony	
EDITING WORKSTATIONS - HP							

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	HP	7		Z8 - Config to Order	HP Z8 G4, 2 x Xeon Gold 5118, 4x16 GB DDR4-2666, Quadro P5000, 512 GB HP Z Turbo, 2 TB 7200 RPM HP Z8 G4 Workstation - Windows 10 Pro 64 Intel® Xeon® Gold 5118 Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) Intel® Xeon® Gold 5118 2nd Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) HP Z8 G4 90 1125W Chassis 100V/15A 64 GB (4x16 GB) DDR4-2666 ECC Registered Memory (2 Processors) Operating System Load to M.2 512 GB HP Z Turbo Drive M.2 SSD 2 TB 7200 RPM SATA 3.5" HDD NVIDIA® Quadro® P5000 (16 GB GDDR5X, 4 x Displayport 1.4 + DVI-D DL) Graphics Premium - 2x USB 3.1 Type-C; 2x USB 3.0 Type-A HP Remote Graphics Software (RGS) for Z 9.5mm Blu-ray Writer 1st Optical Disc Drive No Included Keyboard HP Premium Wired Mouse USB No Adapters Needed HP Z8 Standard Cooling Solution - 2 Processor 3/3/3 year (material/labor/onsite) Warranty Single Unit (Tower) Packaging HP Z8 G4 1125W Country Kit	Confirm w/ Client where Ben will sit
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	HP	7		2FZ77AA	Rack Mounting for the HP Z8 G4 Workstations	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Blackmagic	7		BMD-BDLKHDEXTR4K12G	Decklink 4K Extreme 12G	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Blackmagic	7		CABLE-BDLKEXT	Blackmagic Design Decklink Extreme Breakout Cable - Analog, SDI, Monitor, XLR, SPDIF, Genlock and RS-422 - 7'	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Dell	12		210-ARCZ/OJHN8	Dell UltraSharp 27 USB-C Monitor: U2719DC	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	ATTO	7		FFRM-NT12-000	FastFrame™ NT12 RJ45	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Sony	7		MRW-E90	XQD/SD Card Reader	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Logic Keyboard	7		LKB-MCOM4-APBH	Avid Media Composer PC Backlit Astra Keyboard	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Logic Keyboard	7		LKB-PPROCC-APBH	Adobe Premiere Pro CC PC Backlit Astra Keyboard	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Xcellon	7		SH4-3H1HC	4-Prt pwr AL USB3 hub w/ 1 dual port	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Mackie	14		MR524	Mackie MR524 - 5" Powered Studio Monitor	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Sennheiser	7		506845	Sennheiser HD 280 Pro Circumaural Closed-Back Monitor Headphones	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Mackie	7		802VLZ4	Mackie 802VLZ4 Mixer	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Logictech	7		910-001204	CORDED MOUSE M500	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Avid	7		9938-30116-00	AVID MEDIA COMPOSER ULTIMATE 1-YEAR SUBSCRIPTION	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	Adobe	7	YES	CCTVIP	ADOBE CREATIVE CLOUD FOR TEAMS	
DIG 1-4 / PR 1 / FNX 7 / Ben	HP Editing System	APC	3		SMT1000C	Smart-UPS 1000VA with APC SmartConnect	MC 128 Systems Only
WORKSTATIONS							
FNX 1 MC 126	iMac Exec System	Apple	1		iMac Pro - Custom Config	2.3GHz 18-core Intel Xeon W processor, Turbo Boost up to 4.3GHz 64GB 2666MHz DDR4 ECC memory Radeon Pro Vega 64 with 16GB of HBM2 memory 1TB SSD Magic Mouse 2 - Space Gray Magic Keyboard with Numeric Keypad - US English - Space Gray	
FNX 1 MC 126	iMac Exec System	Apple	1		MC704LL	USB to Ethernet Cable	
FNX 1 MC 126	iMac Exec System	OWC	1		OWCTB3DK12PSG	OWC 12 Port Thunderbolt 3 Dock (Space Gray)	
FNX 1 MC 126	iMac Exec System	Logictech	1		910-001204	CORDED MOUSE M500	
FNX 1 MC 126	iMac Exec System	Avid	1		9938-30116-00	AVID MEDIA COMPOSER ULTIMATE 1-YEAR SUBSCRIPTION	
FNX 1 MC 126	iMac Exec System	Adobe	1	YES	CCTVIP	ADOBE CREATIVE CLOUD FOR TEAMS	
FNX 1 MC 126	iMac Exec System	Logic Keyboard	1		LKB-MCOM4-AMBH	Avid Media Composer Mac Backlit ASTRA Keyboard	
FNX 1 MC 126	iMac Exec System	Logic Keyboard	1		LKB-PPROCC-AMBH	Adobe Premiere Pro CC Mac Backlit ASTRA Keyboard	
FNX 1 MC 126	iMac Exec System	Dell	1		U2717D	Dell UltraSharp 27 (U2717D)	
EDITING SUITES							
MC 123/124/160	Edit Suite Furniture	Omnirax	3		Custom	Per Omnirax 10/20/18 Design	
MC 123/124/160	Broadcast Service Panels	Various	3		Broadcast Service Panels	Per Drawings	
MC 123/124/160	Editing Suite	Auralex	3		PPK2_OBS	Sound dampening kit	
MC 123/124/160	iMac Editing System	Apple	3		iMac Pro - Custom Config	2.3GHz 18-core Intel Xeon W processor, Turbo Boost up to 4.3GHz 64GB 2666MHz DDR4 ECC memory Radeon Pro Vega 64 with 16GB of HBM2 memory 1TB SSD Magic Mouse 2 - Space Gray Magic Keyboard with Numeric Keypad - US English - Space Gray	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 123/124/160	iMac Editing System	Blackmagic	3		BDLKULSR4KEXTR3	UltraStudio 4K Extreme 3	
MC 123/124/160	iMac Editing System	Logic Keyboard	3		LKB-MCOM4-AMBH	Avid Media Composer Mac Backlit ASTRA Keyboard	
MC 123/124/160	iMac Editing System	Logic Keyboard	3		LKB-PPROCC-AMBH	Adobe Premiere Pro CC Mac Backlit ASTRA Keyboard	
MC 123/124/160	iMac Editing System	Apple	3		MC704LL	USB to Ethernet Cable	
MC 123/124/160	iMac Editing System	Apple	3		MQ4H2AM/A	Apple Thunderbolt 3 Cable (2.6', White)	
MC 123/124/160	iMac Editing System	OWC	3		OWCT83DK12PSG	OWC 12 Port Thunderbolt 3 Dock (Space Gray)	
MC 123/124/160	HP Editing System	Blackmagic	3		BMD-BDLKHDEXTR4K12G	Decklink 4K Extreme 12G	
MC 123/124/160	HP Editing System	Blackmagic	3		CABLE-BDLKEXT	Blackmagic Design Decklink Extreme Breakout Cable - Analog, SDI, Monitor, XLR, SPDIF, Genlock and RS-422 - 7'	
MC 123/124/160	HP Editing System	HP	3	Z8 - Config to Order		HP Z8 G4, 2 x Xeon Gold 5118, 4x16 GB DDR4-2666, Quadro P5000, 512 GB HP Z Turbo, 2 TB 7200 RPM HP Z8 G4 Workstation - Windows 10 Pro 64 Intel® Xeon® Gold 5118 Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) Intel® Xeon® Gold 5118 2nd Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) HP Z8 G4 90 1125W Chassis 100V/15A 64 GB (4x16 GB) DDR4-2666 ECC Registered Memory (2 Processors) Operating System Load to M.2 512 GB HP Z Turbo Drive M.2 SSD 2 TB 7200 RPM SATA 3.5" HDD NVIDIA® Quadro® P5000 (16 GB GDDR5X, 4 x Displayport 1.4 + DVI-D DL) Graphics Premium - 2x USB 3.1 Type-C; 2x USB 3.0 Type-A HP Remote Graphics Software (RGS) for Z 9.5mm Blu-ray Writer 1st Optical Disc Drive No Included Keyboard HP Premium Wired Mouse USB No Adapters Needed HP Z8 Standard Cooling Solution - 2 Processor 3/3/3 year (material/labor/onsite) Warranty Single Unit (Tower) Packaging HP Z8 G4 1125W Country Kit	
MC 123/124/160	HP Editing System	HP	3	2FZ77AA		Rack Mounting for the HP Z8 G4 Workstations	
MC 123/124/160	HP Editing System	ATTO	3	FFRM-NT12-000		FastFrame™ NT12 RJ45	
MC 123/124/160	HP Editing System	Logic Keyboard	3	LKB-MCOM4-APBH		Avid Media Composer PC Backlit Astra Keyboard	
MC 123/124/160	HP Editing System	Logic Keyboard	3	LKB-PPROCC-APBH		Adobe Premiere Pro CC PC Backlit Astra Keyboard	
MC 123/124/160	HP Editing System	Xcellon	3	SH4-3H1HC		4-Prnt pwr AL USB3 hub w/ 1 dual port	
MC 123/124/160	Editing System	Sony	6	MRW-E90		XQD/SD Card Reader	
MC 123/124/160	Editing System	Mackie	12	MR524		Mackie MR524 - 5" Powered Studio Monitor	
MC 123/124/160	Editing System	Sennheiser	6	506845		Sennheiser HD 280 Pro Circumaural Closed-Back Monitor Headphones	
MC 123/124/160	Editing System	Mackie	6	802VLZ4		Mackie 802VLZ4 Mixer	
MC 123/124/160	Editing System	Logitech	6	910-001204		CORDED MOUSE M500	
MC 123/124/160	Editing System	Avid	6	9938-30116-00		AVID MEDIA COMPOSER ULTIMATE 1-YEAR SUBSCRIPTION	
MC 123/124/160	Editing System	BOLAND	3	4K24-HDR		24" 4K Pro HDR Monitor	
MC 123/124/160	Editing System	Adobe	3	YES	CCTVIP	ADOBE CREATIVE CLOUD FOR TEAMS	
MC 123/124/160	Editing System	Mount	6	Field Verify		Mounting for 65" Sony	
MC 123/124/160	Editing System	Blackmagic	6	HDL-SMTWSCOPEDUO4K2		Smart Scope Duo 4K	Feed via 6G, Limited UHD monitoring (30p).
MC 123/124/160	Editing System	APC	4	SMT1000C		Smart-UPS 1000VA with APC SmartConnect	MC 123/124 Only
MC 123/124/160	Editing System	Dell	9	210-ARCY/KMC47		Dell UltraSharp 24 USB-C Monitor: U2419HC	
MC 123/124/160	Editing System	Sony	6	XBR-55X900F		X900F LED 4K Ultra HD High Dynamic Range (HDR) Smart TV	
MC 123/124/160	Editing System	Mount	6	Field Verify		Wall Mounting for 65" Sony	
ONLINE FINISHING BAYS							
MC 161, 125	On-Line Editing System	Blackmagic	2		BMD-DV/RES/AADPNL	DaVinci Resolve Advanced Panel	
MC 161, 125	On-Line Editing System	Blackmagic	2		BMD-BDLKHDEXTR4K12G	Decklink 4K Extreme 12G	
MC 161, 125	On-Line Editing System	Blackmagic	2		CABLE-BDLKEXT	Blackmagic Design Decklink Extreme Breakout Cable - Analog, SDI, Monitor, XLR, SPDIF, Genlock and RS-422 - 7'	
MC 161, 125	On-Line Editing System	Blackmagic	2		BMD-HDL-SMTWSCOPEDUO4K2	SmartScope Duo 4K 2	
MC 161, 125	On-Line Editing System	Blackmagic	2		CONVNTRM/DA/QDSDI	Blackmagic Design Teranex Mini Quad SDI to SDI 12G Converter	
MC 161, 125	On-Line Editing System	Blackmagic	2		CONVMCSAUD4K	Blackmagic Design Mini Converter SDI to Audio 4K	
MC 161, 125	On-Line Editing System	Sony	2		BVM-X300 V2	30-inch 4K TRIMASTER EL™ OLED critical reference monitor	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 161, 125	On-Line Editing System	HP	2	Z8 - Config to Order		HP Z8 G4, 2 x Xeon Gold 5118, 4x16 GB DDR4-2666, Quadro P5000, 512 GB HP Z Turbo, 2 TB 7200 RPM HP Z8 G4 Workstation - Windows 10 Pro 64 Intel® Xeon® Gold 5118 Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) Intel® Xeon® Gold 5118 2nd Processor (2.3 GHz, up to 3.2 GHz w/Turbo Boost, 16.5 MB cache, 2400MHz, 12 core) HP Z8 G4 90 1125W Chassis 100V/15A 64 GB (4x16 GB) DDR4-2666 ECC Registered Memory (2 Processors) Operating System Load to M.2 512 GB HP Z Turbo Drive M.2 SSD 2 TB 7200 RPM SATA 3.5" HDD NVIDIA® Quadro® P5000 (16 GB GDDR5X, 4 x Displayport 1.4 + DVI-D DL) Graphics Premium - 2x USB 3.1 Type-C; 2x USB 3.0 Type-A HP Remote Graphics Software (RGS) for Z 9.5mm Blu-ray Writer 1st Optical Disc Drive No Included Keyboard HP Premium Wired Mouse USB No Adapters Needed HP Z8 Standard Cooling Solution - 2 Processor 3/3/3 year (material/labor/onsite) Warranty Single Unit (Tower) Packaging HP Z8 G4 1125W Country Kit	
MC 161, 125	On-Line Editing System	HP	2	2FZ77AA		Rack Mounting for the HP Z8 G4 Workstations	
MC 161, 125	On-Line Editing System	Nvidia	2	1ZE81AA		HP NVIDIA Quadro GP100 Graphics Card	
MC 161, 125	On-Line Editing System	Atto	2	FFRM-NT12-000		FastFrame™ NT12 RJ45	
MC 161, 125	On-Line Editing System	Sony	2	MRW-E90		XQD/SD Card Reader	
MC 161, 125	On-Line Editing System	Genelec	4	8020CPM		Genelec 4" LF/20W & 75" HF/20W	
MC 161, 125	On-Line Editing System	HP	4	D7R00A8#ABA		Dreamcolor Z27X	
MC 161, 125	On-Line Editing System	Focusrite	2	MOCLO006		Clarett 2Pre USB	
MC 161, 125	On-Line Editing System	Avid	2	9935-71826-00		Pro Tools Perpetual License NEW 1-year software download with updates + support for a year	
MC 161, 125	On-Line Editing System	Soundminer	2	Soundminer HD Plus / Windows		Soundminer HD Plus Windows	
MC 161, 125	On-Line Editing System	Waves	2	DATDM		WAVES DIAMOND TDM	
MC 161, 125	On-Line Editing System	Izotope	2	RX POST PRODUCTION SUITE		RX5 Advanced Audio Editor, RX	
MC 161, 125	On-Line Editing System	Shure	2	SM7B		Shure - Cardioid Dynamic Voice	
MC 161, 125	On-Line Editing System	Atlas Sound	2	DMS7E		Desk mic stand with 10" base, height 8-13"	
MC 161, 125	On-Line Editing System	Sony	2	XBR-65X900F		65" X900F LED 4K Ultra HD High Dynamic Range (HDR) Smart TV	
MC 161, 125	On-Line Editing System	Mount	6	Field Verify		Wall Mounting for 65" Sony	
MC 161, 125	On-Line Editing System	Furman	2	PL-PRO DMC		20A POWER COND/LIGHTS W/SMP &	
MC 161, 125	On-Line Editing System	APC	1	SMT1000C		Smart-UPS 1000VA with APC SmartConnect	MC 125
MC 161, 125	On-Line Editing System	Auralex	2	PK2_OBS		Sound dampening kit	
MC 161, 125	Broadcast Service Panels	Various	2	Broadcast Service Panels		Per Drawings	
MC 161, 125	On-Line Editing System	Omnirax	2	Custom		Per Omnirax 10/20/18 Design	
RADIO CONTROL 1							
MC 171 RADIO CONTROL 1	Radio	Omnirax	1	Custom		Per Omnirax 10/20/18 Conceptual Design - Field Verify Final Room Dimensions	
MC 171 RADIO CONTROL 1	Radio	Denon	1	DEN-DN700C		DENON PROFESSIONAL NETWORK CD/MEDIA PLAYER W/ DIGITAL AUDIO OUTPUT, RS-232C & USB A NON-RETURNABLE ITEM, NO CANCELLAT	
MC 171 RADIO CONTROL 1	Radio	360 Systems	1	360-DCEM3000		360 DIGICART-EX w/ETHERNET PORT XLR I/O AES/BNC I/O INT. 160GB HD INCLUDES SD CARD READER	
MC 171 RADIO CONTROL 1	Radio	360 Systems	1	360-DCEMRC320		360 DIGICART/E FULL-FUNCTION REMOTE	
MC 171 RADIO CONTROL 1	Radio	25-Seven	1	25S-PDMLIVEWIRE		25-SEVEN PROGRAM DELAY MANAGER PROFANITY DELAY LIVEWIRE #2001-00351	
MC 171 RADIO CONTROL 1	Radio	Neumann	2	NEU-U87AI		NEUMANN 3-PATTERN COND. MIC/NICKEL	
MC 171 RADIO CONTROL 1	Radio	Sennheiser	1	SEN-MAS1B		SENNHEISER MIC ACTIVATION BUTTON TO USED WITH MAS 133 SWITCHBOX FOR ANY 5 PIN XLR MIC, PROGRAMMABLE, BLACK	
MC 171 RADIO CONTROL 1	Radio	Sennheiser	1	SEN-MAS133		SENNHEISER XLR INLINE SWITCH BOX FOR XLR 5 PIN	
MC 171 RADIO CONTROL 1	Radio	Telos	1	TEL-200100342		TELOS HX6 SIX LINES POTS + LIVEWIRE ANALOG I/O INCL'S XSCREENER LITE SFTW REQ'S MIN. QTY 1 V- SET #200100294	
MC 171 RADIO CONTROL 1	Radio	Telos	1	TEL-200100294		TELOS VSET6 VOIP 6-LINE PHONE W/ CALLER ID, SCREENER INFO, 15.4W POE POE INJECTOR INCLUDED	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	2	TEL-200100298R		AXIA ANALOG XNODE AoIP INTERFACE 8 MONO OR 4 STEREO BALANCED INPUTS/ OUTPUTS, AC & PoE	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1	TEL-200100299R		AXIA AES/EBU xNODE AoIP INTERFACE 4 ST. CHANNEL I/O	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1	TEL-200100301R		AXIA GPIO XNODE AoIP INTERFACE 6 GPIO PORTS, EACH WITH 5 OPTO- ISOLATED INPUTS/OUTPUTS, AC & PoE	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1	TEL-200100306R		AXIA STUDIO MIX ENGINE 2U FANLESS REQ'D 1 FOR EA CONTROL SURFACE	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1		TEL-200100323R	AXIA FUSION 20 POSITION MAINFRAME MAINFRAME ONLY (REQUIRES MODULES)	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1		TEL-200100379R	AXIA FUSION MONITOR+2 FADER MODULE OCCUPIES 4 FRAME POSITIONS	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1		TEL-200100331R	AXIA FUSION CALL CTRL + 2 FADER MODULE 4 POSITIONS	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	3		TEL-200100329R	AXIA FUSION 4-FADER MODULE FOR USE WITH LINE/MIC SOURCES. OLED DISPLAY OCCUPIES 4 FRAME POSITIONS	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1		TEL-200100375R	AXIA CONSOLE POWER SUPPLY FOR MIX ENGINE OR ADDS REDUNDANCY TO POWER- STATION & QOR32 (NOT QOR16)	
MC 171 RADIO CONTROL 1	Radio	ART	2		ART-SLA1	ART STEREO AMP./100w@8ohms/1RU/FAN XLR/TRS-IN;BINDING POST-OUT/GR.LIFT	
MC 171 RADIO CONTROL 1	Radio	KRK	2		KRK-R6G3	KRK 6.5" 2-WAY PASSIVE STUDIO SPKR.	
MC 171 RADIO CONTROL 1	Radio	K&M	2		K&M-24185	K&M WALL MNT. SPKR. MOUNT/EA./BLACK 18# CAP'Y.	
MC 171 RADIO CONTROL 1	Radio	Radio Systems	12		RAD-CABLEXLR	STUDIOHUB RJ45-XLRF(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 171 RADIO CONTROL 1	Radio	Radio Systems	12		RAD-CABLEXLRM	STUDIOHUB RJ45-XLRM(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 171 RADIO CONTROL 1	Radio	ACER	3		ACE-UMUX6AA805	ACER K242HQL 24" LED LCD MONITOR 11813527	
MC 171 RADIO CONTROL 1	Radio	HP	1	Z2 - Config to Order		HP Z2 Mini G3 Entry Workstation (x8U88AV)	
						HP Z2 Mini G3 Entry Workstation (x8U88AV)	
						Intel® Core™ i5-7500 Processor (3.4 GHz, up to 3.8 GHz w/Turbo Boost, 6 MB cache, 4 cores) + Intel	
						HD Graphics 630	
						ENERGY STAR Qualified Configuration	
						16 GB (1x16 GB) DDR4-2400 SODIMM Memory	
						1 TB 7200 RPM 9.5mm SATA 2.5" HDD	
						Operating System Load to SATA	
						HP Remote Graphics Software (RGS) for Z	
						USB Business Slim Wired Keyboard	
						HP Premium Wired USB Mouse	
						Three-year (3-3-3) limited warranty	
						Single Unit Packaging	
						Z2 Mini G3 Country Kit US	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	1		4000-00030-000	AXIA ONSITE CONFIGURATION - DAY ONE, DOMESTIC - Trip #1	
MC 171 RADIO CONTROL 1	Radio	Telos Axia	2		4000-00031-000	AXIA ONSITE CONFIGURATION - SUBSEQUENT DAY, DOMESTIC - Trip #1	
MC 171 RADIO CONTROL 1	Radio	Cisco	1		WS-C3850-24P-L	Cisco Catalyst 3850-24P-L - switch - 24 ports - managed	
MC 171 RADIO CONTROL 1	Radio	Cisco	2		SmartNet	Extended service agreement replacement 8x5 response time: NBD	
MC 171 RADIO CONTROL 1	Radio	Warm Audio	1		WA273	Warm Audio WA273 Microphone Preamp	
MC 171 RADIO CONTROL 1	Broadcast Service Panels	Various	1		Broadcast Service Panels	Per Drawings	
MC 171 RADIO CONTROL 1	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
MC 171 RADIO CONTROL 1	Mic Arm	Yellowtec	2		YT3201	Microphone Arm M aluminum max length 31"	Field Fit w/ Client before purchase
MC 171 RADIO CONTROL 1	Mic Arm	Yellowtec	0		YT3105	On Air Microphone Arm XS aluminum max length 21"	Field Fit w/ Client before purchase
MC 171 RADIO CONTROL 1	Mic Arm	Yellowtec	0		YT3301	Microphone Arm XL aluminum max length 42.3"	Field Fit w/ Client before purchase
MC 171 RADIO CONTROL 1	Mic Arm	Yellowtec	2		Mounting	Field Fit with Client - Mounting Method and Accessories	Field Fit w/ Client before purchase
RADIO STUDIO 1							
MC 172 RADIO STUDIO 1	Radio	Omnirax	1		Custom	Per Omnirax 10/20/18 Conceptual Design - Field Verify Final Room Dimensions	
MC 172 RADIO STUDIO 1	Radio	Neumann	5		NEU-U87AI	NEUMANN 3-PATTERN COND. MIC/NICKEL	
MC 172 RADIO STUDIO 1	Radio	Sennheiser	5		SEN-MAS1B	SENNHEISER MIC ACTIVATION BUTTON TO USED WITH MAS 133 SWITCHBOX FOR ANY 5 PIN XLR MIC, PROGRAMMABLE, BLACK	
MC 172 RADIO STUDIO 1	Radio	Sennheiser	5		SEN-MAS133	SENNHEISER XLR INLINE SWITCH BOX FOR XLR 5 PIN	
MC 172 RADIO STUDIO 1	Radio	Sony	8		SON-MDR7506	SONY PRO CLOSED/CIRCUMAUURAL H/PHONE 63ohms/40mm N/D DRIVERS/COILED CBLE	
MC 172 RADIO STUDIO 1	Radio	Studio Hub	5		RAD-SHHPB	RADIO SYSTEMS 1/2w ST. H/P AMP/BLK. w/LEVEL CONTROL - 100mA	
MC 172 RADIO STUDIO 1	Radio	Studio Hub	2		RAD-PSCUBE	STUDIOHUB 4CH. POWER INSERTER CUBE REQ. EXT. POWER SUPPLY	
MC 172 RADIO STUDIO 1	Radio	Studio Hub	2		RAD-PSEXTU	STUDIOHUB EXTERNAL POWER SUPPLY +/- 15VDC/3 AMP #PS-EXTU	
MC 172 RADIO STUDIO 1	Radio	Studio Hub	12		RAD-CABLEXLR	STUDIOHUB RJ45-XLRF(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 172 RADIO STUDIO 1	Radio	Studio Hub	12		RAD-CABLEXLRM	STUDIOHUB RJ45-XLRM(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 172 RADIO STUDIO 1	Radio	Connectronics	1		CON-8XFXM	CONNECTRONICS XLR FEEDTHRU 1RU PATCHBAY, 8 XLR FEMALES FRONT 8 XLR MALES REAR	
MC 172 RADIO STUDIO 1	Radio	Connectronics	1		CON-8XMXF	CONNECTRONICS XLR FEEDTHRU 1RU PATCHBAY, 8 XLR MALES FRONT, 8 XLR FEMALES REAR	
MC 172 RADIO STUDIO 1	Radio	Telos Axia	2		TEL-200100297R	AXIA MICROPHONE XNODE AoIP INTERFACE. 4 MIC INPUTS, 8 MONO OR 4 STEREO OUTPUTS. AC OR PoE	
MC 172 RADIO STUDIO 1	Radio	Telos Axia	1		TEL-200100298R	AXIA ANALOG XNODE AoIP INTERFACE 8 MONO OR 4 STEREO BALANCED INPUTS/ OUTPUTS, AC & PoE	
MC 172 RADIO STUDIO 1	Radio	KRK	2		KRK-R6G3	KRK 6.5" 2-WAY PASSIVE STUDIO SPKR.	
MC 172 RADIO STUDIO 1	Radio	K&M	2		K&M-24185	K&M WALL MNT. SPKR. MOUNT/EA./BLACK 18# CAP'Y.	
MC 172 RADIO STUDIO 1	Broadcast Service Panels	Various	1		Broadcast Service Panels	Per Drawings	
MC 172 RADIO STUDIO 1	Wall Clock	American time - Or Equivalent	2		POE261RSE	Digital wall clock, POE, red display	
MC 172 RADIO STUDIO 1	Mic Arm	Yellowtec	3		YT3201	Microphone Arm M aluminum max length 31"	Field Fit w/ Client before purchase
MC 172 RADIO STUDIO 1	Mic Arm	Yellowtec	2		YT3105	On Air Microphone Arm XS aluminum max length 21"	Field Fit w/ Client before purchase
MC 172 RADIO STUDIO 1	Mic Arm	Yellowtec	0		YT3301	Microphone Arm XL aluminum max length 42.3"	Field Fit w/ Client before purchase
MC 172 RADIO STUDIO 1	Mic Arm	Yellowtec	5		Mounting	Field Fit with Client - Mounting Method and Accessories	Field Fit w/ Client before purchase
MC 172 RADIO STUDIO 1	Mic Arm	Yellowtec	2		Mounting	Field Fit with Client - MMS Pole Mounting System	Field Fit w/ Client before purchase

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
RADIO CONTROL 2							
MC 174 RADIO CONTROL 2	Radio	Omnirax	1		Custom	Per Omnirax 10/20/18 Conceptual Design - Field Verify Final Room Dimensions	
MC 174 RADIO CONTROL 2	Radio	Denon	1		DEN-DN700C	DENON PROFESSIONAL NETWORK CD/MEDIA PLAYER W/ DIGITAL AUDIO OUTPUT, RS-232C & USB	
MC 174 RADIO CONTROL 2	Radio	360 Systems	1		360-DCEM3000	360 DIGICART-EX w/ETHERNET PORT XLR I/O AES/BNC I/O INT. 160GB HD INCLUDES SD CARD READER	
MC 174 RADIO CONTROL 2	Radio	360 Systems	1		360-DCEMRC320	360 DIGICART/E FULL-FUNCTION REMOTE	
MC 174 RADIO CONTROL 2	Radio	25-Seven	1		25S-PDMLIVEWIRE	25-SEVEN PROGRAM DELAY MANAGER PROFANITY DELAY LIVEWIRE #2001-00351	
MC 174 RADIO CONTROL 2	Radio	Neumann	2		NEU-U87AI	NEUMANN 3-PATTERN COND. MIC/NICKEL	
MC 174 RADIO CONTROL 2	Radio	Sennheiser	1		SEN-MAS1B	SENNHEISER MIC ACTIVATION BUTTON TO USED WITH MAS 133 SWITCHBOX FOR ANY 5 PIN XLR MIC, PROGRAMMABLE, BLACK	
MC 174 RADIO CONTROL 2	Radio	Sennheiser	1		SEN-MAS133	SENNHEISER XLR INLINE SWITCH BOX FOR XLR 5 PIN	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100342	TELOS HX6 SIX LINES POTS + LIVEWIRE ANALOG I/O INCL'S XSCREEN LITE SFTW REQ'S MIN. QTY 1 V-SET #200100294	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100294	TELOS VSET6 VOIP 6-LINE PHONE W/CALLER ID, SCREENER INFO, 15.4W POE POE INJECTOR INCLUDED	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	2		TEL-200100298R	AXIA ANALOG XNODE AoIP INTERFACE 8 MONO OR 4 STEREO BALANCED INPUTS/ OUTPUTS, AC & PoE	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100299R	AXIA AES/EBU xNODE AoIP INTERFACE 4 ST. CHANNEL I/O	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100301R	AXIA GPIO XNODE AoIP INTERFACE 6 GPIO PORTS, EACH WITH 5 OPTO- ISOLATED INPUTS/OUTPUTS, AC & PoE	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100306R	AXIA STUDIO MIX ENGINE 2U FANLESS REQ'D 1 FOR EA CONTROL SURFACE	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100323R	AXIA FUSION 20 POSITION MAINFRAME MAINFRAME ONLY (REQUIRES MODULES)	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100379R	AXIA FUSION MONITOR+2 FADER MODULE OCCUPIES 4 FRAME POSITIONS	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100331R	AXIA FUSION CALL CTRL + 2 FADER MODULE 4 POSITIONS	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	3		TEL-200100329R	AXIA FUSION 4-FADER MODULE FOR USE WITH LINE/MIC SOURCES. OLED DISPLAY OCCUPIES 4 FRAME POSITIONS	
MC 174 RADIO CONTROL 2	Radio	Telos Axia	1		TEL-200100375R	AXIA CONSOLE POWER SUPPLY FOR MIX ENGINE OR ADDS REDUNDANCY TO POWER- STATION & QOR32 (NOT QOR16)	
MC 174 RADIO CONTROL 2	Radio	Cisco	1		CIS-WSC385024PL	CISCO CATALYST 3850 24 GB PORTS W/POE; LAN BASE	
MC 174 RADIO CONTROL 2	Radio	Cisco	2		SmartNet	Extended service agreement replacement 8x5 response time: NBD	
MC 174 RADIO CONTROL 2	Radio	ART	2		ART-SLA1	ART STEREO AMP./100w@8ohms/1RU/FAN XLR/TRS-IN;BINDING POST-OUT/GR.LIFT	
MC 174 RADIO CONTROL 2	Radio	KRK	2		KRK-R6G3	KRK 6.5" 2-WAY PASSIVE STUDIO SPKR.	
MC 174 RADIO CONTROL 2	Radio	K&M	2		K&M-24185	K&M WALL MNT. SPKR. MOUNT/EA,/BLACK 18# CAP'Y.	
MC 174 RADIO CONTROL 2	Radio	Studio Hub	12		RAD-CABLEXLR	STUDIOHUB RJ45-XLRF(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 174 RADIO CONTROL 2	Radio	Studio Hub	12		RAD-CABLEXLRM	STUDIOHUB RJ45-XLRM(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6'LONG	
MC 174 RADIO CONTROL 2	Radio	ACER	3		ACE-UMUX6AAB05	ACER K242HQL 24" LED LCD MONITOR	
MC 174 RADIO CONTROL 2	Radio	HP	1	Z2 - Config to Order		HP Z2 Mini G3 Entry Workstation (X8U88AV) Windows 10 Pro 64 Intel® Core™ i5-7500 Processor (3.4 GHz, up to 3.8 GHz w/Turbo Boost, 6 MB cache, 4 cores) + Intel HD Graphics 630 ENERGY STAR Qualified Configuration 16 GB (1x16 GB) DDR4-2400 SODIMM Memory 1 TB 7200 RPM 9.5mm SATA 2.5" HDD Operating System Load to SATA HP Remote Graphics Software (RGS) for Z USB Business Slim Wired Keyboard HP Premium Wired USB Mouse Three-year (3-3-3) limited warranty Single Unit Packaging Z2 Mini G3 Country Kit US	
MC 174 RADIO CONTROL 2	Radio	Warm Audio	1		WA273	Warm Audio WA273 Microphone Preamp	
MC 174 RADIO CONTROL 2	Broadcast Service Panels	Various	1		Broadcast Service Panels	Per Drawings	
MC 174 RADIO CONTROL 2	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
MC 174 RADIO CONTROL 2	Mic Arm	Yellowtec	2		YT3201	Microphone Arm M aluminum max length 31"	Field Fit w/ Client before purchase
MC 174 RADIO CONTROL 2	Mic Arm	Yellowtec	0		YT3105	On Air Microphone Arm XS aluminum max length 21"	Field Fit w/ Client before purchase
MC 174 RADIO CONTROL 2	Mic Arm	Yellowtec	0		YT3301	Microphone Arm XL aluminum max length 42,3"	Field Fit w/ Client before purchase
MC 174 RADIO CONTROL 2	Mic Arm	Yellowtec	2		Mounting	Field Fit with Client - Mounting Method and Accessories	Field Fit w/ Client before purchase
RADIO STUDIO 2							
MC 173 RADIO STUDIO 2	Radio	Omnirax	1		Custom	Per Omnirax 10/20/18 Conceptual Design - Field Verify Final Room Dimensions	
MC 173 RADIO STUDIO 2	Radio	Neumann	3		NEU-U87AI	NEUMANN 3-PATTERN COND. MIC/NICKEL	
MC 173 RADIO STUDIO 2	Radio	Sennheiser	3		SEN-MAS1B	SENNHEISER MIC ACTIVATION BUTTON TO USED WITH MAS 133 SWITCHBOX FOR ANY 5 PIN XLR MIC, PROGRAMMABLE, BLACK	
MC 173 RADIO STUDIO 2	Radio	Sennheiser	3		SEN-MAS133	SENNHEISER XLR INLINE SWITCH BOX FOR XLR 5 PIN	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 173 RADIO STUDIO 2	Radio	Sony	3		SON-MDR7506	SONY PRO CLOSED/CIRCUMAUURAL H/PHONE 63ohms/40mm N/D DRIVERS/COILED CBLE	
MC 173 RADIO STUDIO 2	Radio	Studio Hub	3		RAD-SHHPB	RADIO SYSTEMS 1/2w ST. H/P AMP/BLK. w/LEVEL CONTROL - 100mA	
MC 173 RADIO STUDIO 2	Radio	Studio Hub	8		RAD-CABLEXLR	STUDIOHUB RJ45-XLRF(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6' LONG	
MC 173 RADIO STUDIO 2	Radio	Studio Hub	8		RAD-CABLEXLRM	STUDIOHUB RJ45-XLRM(x2) ADTR. CABLE w/MALE RJ45 PLUG; 6' LONG	
MC 173 RADIO STUDIO 2	Radio	Studio Hub	1		RAD-PSUCBE	STUDIOHUB 4CH. POWER INSERTER CUBE REQ. EXT. POWER SUPPLY	
MC 173 RADIO STUDIO 2	Radio	Studio Hub	1		RAD-PSXTU	STUDIOHUB EXTERNAL POWER SUPPLY +/- 15VDC/3 AMP #PS-XTU	
MC 173 RADIO STUDIO 2	Radio	Connectronics	1		CON-8XFXM	CONNECTRONICS XLR FEEDTHRU 1RU PATCHBAY, 8 XLR FEMALES FRONT 8 XLR MALES REAR	
MC 173 RADIO STUDIO 2	Radio	Connectronics	1		CON-8XMXF	CONNECTRONICS XLR FEEDTHRU 1RU PATCHBAY, 8 XLR MALES FRONT, 8 XLR FEMALES REAR	
MC 173 RADIO STUDIO 2	Radio	Telos Axia	1		TEL-200100297R	AXIA MICROPHONE XNODE AoIP INTERFACE. 4 MIC INPUTS, 8 MONO OR 4 STEREO OUTPUTS. AC OR PoE	
MC 173 RADIO STUDIO 2	Radio	Telos Axia	1		TEL-200100298R	AXIA ANALOG XNODE AoIP INTERFACE 8 MONO OR 4 STEREO BALANCED INPUTS/ OUTPUTS, AC & PoE	
MC 173 RADIO STUDIO 2	Radio	KRK	2		KRK-R6G3	KRK 6.5" 2-WAY PASSIVE STUDIO SPKR.	
MC 173 RADIO STUDIO 2	Radio	K&M	2		K&M-24185	K&M WALL MNT. SPKR. MOUNT/EA./BLACK 18# CAP'Y.	
MC 173 RADIO STUDIO 2	Radio	HP	1		V9B30AA#ABA	HP ENVY All-in-One - 27-b155qd	Virtual Control Surface
MC 173 RADIO STUDIO 2	Radio	Telos Axia	1		3001-00049R	Axia SoftSurface Virtual Console Software	Virtual Control Surface
MC 173 RADIO STUDIO 2	Broadcast Service Panels	Various	1		Broadcast Service Panels	Per Drawings	
MC 173 RADIO STUDIO 2	Wall Clock	American time - Or Equivalent	2		POE261RSE	Digital wall clock, POE, red display	
MC 173 RADIO STUDIO 2	Mic Arm	Yellowtec	2		YT3201	Microphone Arm M aluminum max length 31"	Field Fit w/ Client before purchase
MC 173 RADIO STUDIO 2	Mic Arm	Yellowtec	1		YT3105	On Air Microphone Arm XS aluminum max length 21"	Field Fit w/ Client before purchase
MC 173 RADIO STUDIO 2	Mic Arm	Yellowtec	0		YT3301	Microphone Arm XL aluminum max length 42,3"	Field Fit w/ Client before purchase
MC 173 RADIO STUDIO 2	Mic Arm	Yellowtec	3		Mounting	Field Fit with Client - Mounting Method and Accessories	Field Fit w/ Client before purchase
MC 173 RADIO STUDIO 2	Mic Arm	Yellowtec	1		Mounting	Field Fit with Client - MMS Pole Mounting System	Field Fit w/ Client before purchase
OPEN OFFICE 158							
MC 158 OPEN AREA	MV Displays	Sony	1		FWD-65X900E	65" BRAVIA 4K HDR Professional Display	
MC 158 OPEN AREA	MV Displays	Mount	1		Field Verify	Field Verify Wall Mount	
MC 158 OPEN AREA	MV Displays	AJA	1		HIS-12G	12G-SDI to HDMI 2.0 Converter	
MC 158 OPEN AREA	Broadcast Service Panels	Various	2		Broadcast Service Panels	Per Drawings	
MC 158 OPEN AREA	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
OPEN OFFICE 128							
MC 128 OPEN AREA	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
MC 128 OPEN AREA	Broadcast Service Panels	Various	4		Broadcast Service Panels	Per Drawings	
TRAFFIC							
MC 152 - TRAFFIC	MV Displays	Sony	2		FWD-65X900E	65" BRAVIA 4K HDR Professional Display	
MC 152 - TRAFFIC	MV Displays	Mount	2		Field Verify	Field Verify Wall Mount	
MC 152 - TRAFFIC	MV Displays	AJA	2		HIS-12G	12G-SDI to HDMI 2.0 Converter	
MC 152 - TRAFFIC	Broadcast Service Panels	Various	3		Broadcast Service Panels	Per Drawings	
MC 152 - TRAFFIC	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
LOBBY							
MC 100 - LOBBY	ATSC Displays	Sony	2		FWD-65X900E	65" BRAVIA 4K HDR Professional Display	
MC 100 - LOBBY	ATSC Displays	Mount	2		Field Verify	Field Verify Wall Mount	Coordinate with client
CONFERENCE ROOM							
MC 110 - CONFERENCE	Interactive Display	ClearTouch	1		CTI-6075U-UH20	75" 6000U Series Interactive Panel with USB HID / AGG / 20 Points of Touch - Ultra HD	
MC 110 - CONFERENCE	Interactive Display	Cleartouch	1		CTI-MOUNT-FIXW	Wall mount, Interactive panel	
MC 110 - CONFERENCE	Interactive Display	ClearTouch	1		CTI-PCMOD-PC27	PC Module - 6000U Series - No Operating System (i7 Dual Core / 16GB DDR4 / 256GB SSD / Ultra HD)	
MC 110 - CONFERENCE	Interactive Display	ClearTouch	1		CTI-SRVCS-PC05	Microsoft Windows 10 Pro 64-Bit Preinstalled	
MC 110 - CONFERENCE	Interactive Display	AJA	1		FIDO-T-12G	1-Channel 12G-SDI to Single-Mode LC Fiber Transmitter	Located in Tech Core
MC 110 - CONFERENCE	Interactive Display	AJA	1		HIS-12G-R	12G-SDI to HDMI 2.0 Conversion Includes 1x Fiber LC Receiver	
MC 110 - CONFERENCE	Interactive Display	Crestron	2		FT2	Flip top box, Flush mount, Configured w/ 2 HDMI, VGA, USB charge & 3 power recepticles	
MC 110 - CONFERENCE	Interactive Display	Crestron	1		HD-MD4X1-4K-E	Switcher, HDMI, 4X1, 4K	
MC 110 - CONFERENCE	Interactive Display	Crestron	1		DM-TX-201-C	Transmitter, HDMI / VGA to CAT5E	
MC 110 - CONFERENCE	Interactive Display	Crestron	1		DM-RMC-200-C	Receiver, DM CAT5E to HDMI / VGA, Built in audio amp	
MC 110 - CONFERENCE	Interactive Display	Logitech	1		Brio	WebCam, USB, 4K, built in microphone, Monitor clip	
GREEN ROOM							
MC 147 - GREEN ROOM	Wall Clock	American time - Or Equivalent	1		POE261RSE	Digital wall clock, POE, red display	
MC 147 - GREEN ROOM	ATSC Displays	Sony	2		FWD-65X900E	65" BRAVIA 4K HDR Professional Display	
MC 147 - GREEN ROOM	ATSC Displays	Mount	2		Field Verify	Field Verify Wall Mount	
MC 147 - GREEN ROOM	ATSC Displays	AJA	1		HIS-12G	12G-SDI to HDMI 2.0 Converter	
Location	SYSTEM	MANUFACTURER	QTY	ADD/RMW	PART NUMBER	Description	COMMENTS
Add Bid Alternate #1 - Mobile Production Fly Pack							
Fly-Pack	Mobile Production	Ross	1	ADD	CUF-124	Carbonite Ultra Engine	Includes XPression Live CG
Fly-Pack	Mobile Production	Ross	1	ADD	CUF-PSU	Carbonite Ultra Standard Power Supply	
Fly-Pack	Mobile Production	Ross	1	ADD	CUF-ADD-ME2	ME2 (Adds ME2 option to CUF-124 Engine)	
Fly-Pack	Mobile Production	Ross	1	ADD	CUF-ADD-I/OPLUS	Add FSFC to All Inputs and Outputs	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
Fly-Pack	Mobile Production	Ross	1	ADD	CB15-PANEL	Carbonite Black 1S 1 M/E Panel ONLY!	
Fly-Pack	Mobile Production	Ross	1	ADD	PSU-12V16A-6PIN	12V 16A PSU with 6 Pin Connector for Redundancy or Spare	
Fly-Pack	Mobile Production	Ross	1	ADD	SRG-4500	Master Reference and Test Signal Generator	
Fly-Pack	Mobile Production	Ross	1	ADD	NTP-4500	NTP Time Synchronizing option	
Fly-Pack	Mobile Production	Ross	1	ADD	UHD-4500	UHD Pattern Generator Option	
Fly-Pack	Mobile Production	Ross	1	ADD	OGX-FR-CN	openGear OGX Frame with Cooling and Advanced Networking	
Fly-Pack	Mobile Production	Ross	1	ADD	PS-OGX	600 Watt Universal Power Supply for OGX Frame	
Fly-Pack	Mobile Production	Ross	1	ADD	SRA-8901-10-R3	12G/6G/3G/HD/SD/MADI Distribution Amplifier 1 In / 10 Out	
Fly-Pack	Mobile Production	Ross	2	ADD	UDA-8705A-R2	Analog Video Utility Distribution Amplifier with 20-Slot frame Rear Module, R2-8705	
Fly-Pack	Mobile Production	Ross	1	ADD	ADA-8405-C-R2C	Analog Audio and Timecode DA with Remote Gain w/ Rear Module	
Fly-Pack	Mobile Production	Ross	1	ADD	CARBONITE-COM-1DAY	Carbonite Commissioning - 1 Day	
Fly-Pack	Mobile Production	Ross	2	ADD	CARBONITE-OTR-1DAY	Carbonite Operations Training - 1 Day	
Fly-Pack	Mobile Production	Ross	1	ADD	RAVEL-PRE-001	Pre Paid Service Expense Trip 1	
Fly-Pack	Mobile Production	BlackMagic	5	ADD	BMD-HYPERD/ST/12G	HyperDeck Studio 12G	
Fly-Pack	Mobile Production	Yamaha	1	ADD	QL1	16 faders + 2 Master faders. 16 onboard Mic/Line analog inputs, 8 analog outputs. 32 mono + 8 stereo mixable channels. Rack mountable with optional RK1	
Fly-Pack	Mobile Production	Yamaha	1	ADD	LA1L	Console light, 18" gooseneck, ultra-bright fourplex LED; 4-pin XLR connector	
Fly-Pack	Mobile Production	Yamaha	1	ADD	RK1	Rack mount kit for QL1, LS9-16, DM1000, and 01V96	
Fly-Pack	Mobile Production	AJA	2	ADD	Hi5-12G	12G-SDI to HDMI 2.0 Converter	
Fly-Pack	Mobile Production	Dell	2	ADD	210-AFLN	Dell UltraSharp 32 Ultra HD 4K Monitor with PremierColor - UP3216Q	
						FS II Digital wireless base station: FreeSpeak II Digital license-free wireless base station. Supports up to 25 Beltpacks and 10 antennas. (Two antennas can connect to the base station directly or up to 10 antennas can be connected by using two x FSII-SPL splitters) The base station has connections for four party-lines and four 4-wires plus a dedicated SA output and dedicated program audio input. XLR-4 pin male headset connection. To use the fiber connections to the FSII-SPL Splitter please choose suitable SFP transceivers from either HLI-MMFO or HLI-SMFO.	
Fly-Pack	Mobile Production	CLEAR-COM	1	ADD	FSII-BASE-II	FreeSpeak II active transceiver US: Active transceiver powered either locally or from the matrix CAT5 connection. One transceiver supports up to five FreeSpeak II beltpacks. More transceivers needed if roaming or more beltpack support is required. Includes AC PSU adapter part 453G023-3. FCC approved for use in the USA and Canada.	
Fly-Pack	Mobile Production	CLEAR-COM	2	ADD	FSII-TCVR-19-US	FreeSpeak II digital wireless BP US: Digital wireless beltpack including four talk and listen buttons with integral crosspoint level rotary controls and answerback and menu key. LED level and call signalization and OLED menu. Includes XLR-4M headset connector, USB cable, and BAT60 rechargeable Lithium Ion battery. FCC approved for use in the USA and Canada.	
Fly-Pack	Mobile Production	CLEAR-COM	6	ADD	FSII-BP19-X4-US	FreeSpeak II 5-way charger: FreeSpeak II 5 bay drop in beltpack charger and battery charger unit. Comes with 12VDC AC adapter part # 453G008-3	
Fly-Pack	Mobile Production	CLEAR-COM	1	ADD	AC60	LW Single-ear standard HS XLR-4F: Premium lightweight single on ear headset with superior audio quality and on/ off switch in gooseneck microphone boom, includes leatherette (fitted) and foam (option) ear pads and headset bag - field removable four-pin female XLR for standard Clear-Com connection.	
Fly-Pack	Mobile Production	CLEAR-COM	6	ADD	CC-110-X4	2 Ch, 4-Wire IP interface: Two channel 4-Wire IP communications interface for extending 4-Wire audio communications and call signaling to remote sites over IP networks (LAN, WAN, Internet). RJ45 EtherCON connectors for 4-wire ports. Supports two channels of audio and which can be routed to up to five other LQ units. Supports Clear-Com Eclipse and Drake 4000 panel data. Can link over IP into Eclipse frames via IVC-32-HX and HelixNet via a HLI-ET2 module, Licensable hosting of up to 8 Agent-IC clients and 8 lines of IP telephony (SIP) per unit. single wall wart PSU included with purchase	
Fly-Pack	Mobile Production	CLEAR-COM	1	ADD	LQ-4W2	2 Ch, Partyline IP interface: Two channel Partyline IP communications interface for extending Partyline audio communications and call signaling to remote sites over IP networks (LAN, WAN, Internet). 3 pin XLR female connectors for Partyline ports. Supports two channels of audio and signaling which can be routed to up to five other LQ units	
Fly-Pack	Mobile Production	CLEAR-COM	1	ADD	LQ-2W2	10/100/1000Mbps ProSafe 24-Port Entry Level Gigabit L2 Managed Switch	
Fly-Pack	Mobile Production	Netgear	1	ADD	GSM7224-200NAS	Case and Installation Materials	
Fly-Pack	Mobile Production	Case and Materials	1	ADD	Various		
Fly-Pack	Mobile Production	TAX		ADD			
Add Bid Alternate #2 - Replace Pro-Ped with Quartz Two in TV Studio							
MC 145 TV Studio	Camera Pedestal	Vinen	4	ADD	V4095-0001	Head Vector 75 Flat base	
MC 145 TV Studio	Camera Pedestal	Vinen	4	ADD	3219-82	Pan bar telescopic, Vector	
MC 145 TV Studio	Camera Pedestal	Vinen	4	ADD	3826-3	Pedestal Quartz Two - Black, 2-stage Studio Pedestal	
MC 145 TV Studio	Camera Pedestal	Vinen	4	REMOVE	V4006-0001	Head Vector 430, Flat base, Flat base head, with 1 telescopic pan bar, EFP Quickfit automatic adaptor i.	
MC 145 TV Studio	Camera Pedestal	Vinen	4	REMOVE	3219-115	Pan bar telescopic Vector, Telescopic pan bar & clamp for Vector 430 and 430i	

Location	SYSTEM	MANUFACTURER	QTY	OFE	PART NUMBER	Description	COMMENTS
MC 145 TV Studio	Camera Pedestal	Vinen	4	REMOVE	3983-3C	Pedestal Pro-Ped Studio - Black, with 125 mm wheels, cable guards & track locks	
MC 145 TV Studio	Camera Pedestal	Vinen	4	REMOVE	3702-32	Accessory pedestal nitrogen charging adaptor	
Add Bid Alternate #3 - Add 2nd Vantage Server in Tech Core							
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	ADD	V-LS-G6-WW-SVR	G6 Lightspeed	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	ADD	V-MYRICOM-10G-DUAL	DualCh 10Gb/s Ethernet over fibre w/SR Transceiver	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	ADD	V-XCPROCONN-SW	Vantage Transcode Pro Connect: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	ADD	V-CAMERA-SW	Vantage Camera Ingest: Software Only, Single Server License	
MC 150 - Tech Core	Telestream Lightspeed	Telestream	1	ADD	V-ANLD-PRO-SW	Vantage Analysis Pro	
Add Bid Alternate #4 - Add 2 LTO 8 Drives for SpectraLogic T200							
MC 150 - Tech Core	T200 Upgrade	SpectraLogic	2	ADD	90949784T200-F	FRU, LTO-8 Fibre Channel, Full-Height, Drive/Sled - T200.	Upgrade for Existing Equipment
MC 150 - Tech Core	T200 Support	SpectraLogic	1	ADD	90949803	FRU, Spectra LS Generation 4 Upgrade (Qty 1)	Upgrade for Existing Equipment
MC 150 - Tech Core	T200 Support	SpectraLogic	1	ADD	91010510R	24 Month SpectraGuard Next Business Day On Site Support T200, 4LTO8, 1RIM, 200 Slots** s/n 0952801	Upgrade for Existing Equipment
Add Bid Alternate #5 - Add Modular Cyclorama to TV Studio							
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	Quote # 29799	System 4QS in an L-shape 13' 4.25" x 13' 4.25" x 10' high with wheels, primer, paint and Pro Matte Flooring.	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	2	ADD	4A45QS	System 4QS, 45 degree corner module	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	3	ADD	4B45QS	System 4QS, 45 degree vertical cove module	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	4	ADD	4BQS	System 4QS cove module 4'	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	6	ADD	4CQS	System 4QS 4'x4' flat module	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	7	ADD	4D12	System 4 FS 12' leg assembly	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	7	ADD	4F	System 4QS wheel assembly, one for each leg support	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	9	ADD	H16	Leg assembly hardware packet	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	6	ADD	H4	Vertical group hardware packet	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	2	ADD	H8F	Wheel caster hardware packet	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	2	ADD	WF36	Wall/Floor fastener hardware packet	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	DB-90	Durabond 90 sheetrock setting joint compound - 25lb bag	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	BX-48	Beadex All Purpose Joint Compound (topping mud) 48 lb. carton	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	GBP1	Pro Cyc Grey Bonding Primer, 1 gallon container	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	VGP2	Virtual Green Chroma Key Green paint, 2 gallon container	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	VGP1	Virtual Green Chroma Key Green paint, 1 gallon container	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	Crating and Shipping	Crating and Shipping to a loading dock or street level at the jobsite. No inside delivery	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	39	ADD	PM4-G01	Pro Matte IV Virtual Green Chroma Key Flooring, 80" width, sold by the linear foot	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	2FT-NR	3/4" x 36 yard Double-face Tape Roll, Removable - No Residue	
MC 145 TV Studio	Modular Cyclorama	Pro Cyc	1	ADD	Packaging and Shipping	Packaging and shipping of the Pro Matte IV and tape	
MC 145 TV Studio	Modular Cyclorama	Installation	1	ADD	TBD	Integrator/Manufacturer/or 3rd Parting installation and painting of Cyclorama	
Add Bid Alternate #6 - Replace Boland with Sony BVM in Edit Suites							
MC 123/124/160	Editing System	Sony	3	ADD	BVM-X300 V2	30-inch 4K TRIMASTER EL™ OLED critical reference monitor	1 per room - shared
MC 123/124/160	Editing System	Blackmagic	3	ADD	CONVNTRM/DA/QDSOI	Blackmagic Design Teranex Mini Quad SDI to SDI 12G Converter	
MC 123/124/160	Editing System	BOLAND	3	REMOVE	4K24-HDR	24" 4K Pro HDR Monitor	



END OF ADDEMDUM #4