

Dane County Contract Cover Sheet

Res 182
Significant

Dept./Division	Public Safety Communications / Technical Services - DaneCom
Vendor Name	Harris Corporation
Vendor MUNIS #	3164
Brief Contract Title/Description	Extend and update Maintenance Agreement and Equipment List
Contract Term	through 12/31/2027
Total Contract Amount +	\$ 3,356,246.71

Contract # <small>Admin will assign</small>	10607L
Addendum	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Type of Contract	
<input checked="" type="checkbox"/>	Dane County Contract
<input type="checkbox"/>	Grant
<input type="checkbox"/>	County Lessee
<input type="checkbox"/>	County Lessor
<input type="checkbox"/>	Intergovernmental
<input type="checkbox"/>	Purchase of Property
<input type="checkbox"/>	Property Sale
<input type="checkbox"/>	Other

Purchasing Authority	<input type="checkbox"/> \$10,000 or under – Best Judgment (1 quote required)		
	<input type="checkbox"/> Between \$10,000 – \$35,000 (\$0 – \$25,000 Public Works) (3 quotes required)		
	<input checked="" type="checkbox"/> Over \$35,000 (\$25,000 Public Works) (Formal RFB/RFP required)	RFB/RFP #	110100
	<input type="checkbox"/> Bid Waiver – \$35,000 or under (\$25,000 or under Public Works)		
	<input type="checkbox"/> Bid Waiver – Over \$35,000 (N/A to Public Works)		
	<input type="checkbox"/> N/A – Grants, Leases, Intergovernmental, Property Purchase/Sale, Other		

MUNIS Req.	Org Code	CPPUBSAF	Obj Code	58161	Amount	\$
Req #	Org Code		Obj Code		Amount	\$
Year	Org Code		Obj Code		Amount	\$

Resolution	A resolution is required if the contract exceeds \$100,000 (\$40,000 Public Works). A copy of the Resolution must be attached to the contract coversheet.					
	<input type="checkbox"/> Contract does not exceed \$100,000 (\$40,000 Public Works) – a resolution is not required.					
	<input checked="" type="checkbox"/> Contract exceeds \$100,000 (\$40,000 Public Works) – resolution required.				Res #	182
	<input checked="" type="checkbox"/> A copy of the Resolution is attached to the contract coversheet.				Year	2017


Domestic Partner	Does Domestic Partner Equal Benefits Requirement Apply? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Contract Review/Approvals				
Initials	Dept.	Date In	Date Out	Comments
MG	Received by DOA	2-14-18		
	Controller	2/15/18	2/15/18	
	Purchasing		2/15/18	
	Corporation Counsel	2/14/18	2/14/18	
	Risk Management	2/15/18	2/15/18	
	County Executive			

Dane County Dept. Contact Info		Vendor Contact Info	
Name	Rich McVicar	Name	Ivette Matos-Serrano
Phone #	608-283-2911	Phone #	434-485-7982
Email	mcvicar@countyofdane.com	Email	ivette.matos-serrano@harris.com
Address	210 MLK Rm 109 Madison, WI 53703-3342	Address	221 Jefferson Ridge Pkwy Lynchburg, VA 24501

Certification: The attached contract is a:	
<input type="checkbox"/>	Dane County Contract <u>without</u> any modifications.
<input type="checkbox"/>	Dane County Contract <u>with</u> modifications. The modifications have been reviewed by:
<input checked="" type="checkbox"/>	Non-standard contract.

Contract Cover Sheet Signature

Department Approval of Contract		
Dept. Head / Authorized Designee	Signature	Date
		14 Feb 18
	Printed Name	
	Richard Novick	

Contracts Exceeding \$100,000

Major Contracts Review – DCO Sect. 25.11(3)

Director of Administration	Signature	Date
	Comments	
Corporation Counsel	Signature	Date
		9/17/18
	Comments	



AMENDMENT NO. 10 TO SYSTEM PURCHASE AGREEMENT BETWEEN HARRIS CORPORATION AND THE COUNTY OF DANE, WISCONSIN

THIS AMENDMENT NO. 10 ("Amendment") is made and entered into by and between **THE COUNTY OF DANE, WISCONSIN** ("County") and **HARRIS CORPORATION** ("Harris"), a Delaware Corporation acting through its Communication Systems Segment, with its principal place of business located at 221 Jefferson Ridge Parkway, Lynchburg, VA 24501.

WHEREAS, the County and Harris previously entered into that certain System Purchase Agreement dated February 7, 2011, ("Agreement") for the provision of the System by Harris to the County.

WHEREAS, Amendment No. 07 deleted Exhibit F, Maintenance Agreement, of the Agreement in its entirety and replaced it with Exhibit 7F, System Maintenance Agreement ("SMA") to include Addendum III, Special Conditions and Addendum IV, Scope of Work.

WHEREAS, Amendment No. 09 further amended Exhibit 7F, SMA by deleting and replacing Addendum I, System Maintenance Rates and Addendum II, Equipment List.

WHEREAS, the SMA is the subject matter of this Amendment No. 10 and Parties agree to amend the SMA as specifically set forth in this Amendment No. 10 made and entered into as of the last date below.

For and in consideration of the mutual promises of the Parties to this Amendment No. 10 and other good and valuable consideration, the receipt of which is hereby acknowledged, the Parties agree that this Amendment No. 10 created to the Agreement hereby modifies the SMA by deleting Exhibit 7F, SMA in its entirety and replacing it with Exhibit 7F, SMA attached to this Amendment No. 10. Exhibit 7D, Software FX Agreement is attached and made part of this Amendment No. 10 and shall include pricing for Years 7 through 11.

Except for those terms of the SMA amended herein and in the Amendments, all other terms of the SMA shall remain unchanged and in full force and effect. If there is conflict between this Amendment No. 10 and the SMA or Amendments, the terms of this Amendment No. 10 will prevail.

Intending to be bound hereby, the Parties hereto have caused this Amendment No. 10 to be executed, as of the latest date below, by the Parties' duly authorized representatives.

HARRIS CORPORATION
Communication Systems

THE COUNTY OF DANE, WISCONSIN

By: Ivette Matos Serrano
Name: Ivette Matos-Serrano
Title: Contracts Mgr. Field Services
Date: 2/15/18

By: _____
Name: _____
Title: _____
Date: _____

Return Signed Amendment to Harris Corporation at 221 Jefferson Ridge Parkway, Lynchburg, VA 24501
Attn: Ivette Matos-Serrano, Contracts Manager, Field Services or via email to imatosse@harris.com

Exhibit 7F
SYSTEM MAINTENANCE AGREEMENT

THIS SYSTEM MAINTENANCE AGREEMENT (hereinafter "Agreement") is entered into by and between Harris Corporation, a Delaware Corporation, through its RF Communications Division., located at 221 Jefferson Ridge Parkway, Lynchburg, Virginia 24501, USA, ("Seller"), and Dane County, Wisconsin located at 210 Martin Luther King Jr Blvd, Madison, WI 53703-3345 (hereinafter "Customer").

1. SCOPE OF AGREEMENT

During the term of this Agreement (hereinafter "Term"), Seller agrees to provide Customer with repair and maintenance services and parts, as set forth in Section 2 of this Agreement, to maintain the Customer's radio system equipment provided by Seller to Customer and listed in Addendum II to this Agreement.

2. CONDITIONS OF SERVICE

Seller shall supply all supervision, labor, service facilities, repair parts, test equipment, and supplies necessary to meet the service requirements stated in this Agreement.

2.1 Service Facilities

Seller shall have a full-service maintenance facility available and staffed with factory trained service technicians. The location and staffing level shall be sufficient to meet the service requirements stated in this Agreement. The maintenance facility will be:

General Communications
2880 Commerce Park
Fitchburg, WI 53719

2.2 Right to Subcontract

Seller may subcontract service work to authorized service centers that meet the minimum requirements of a service center set forth in the Seller Authorized Service Center Agreement. Should any subcontractor fail to perform or their work otherwise proves unsatisfactory, Seller will arrange for continuing maintenance of the equipment by qualified technicians for the duration of this Agreement.

2.3 Fixed Equipment Maintenance

Fixed equipment is defined as those site repeater stations and associated equipment, multi-site coordinator, console electronics equipment, and other fixed equipment, all as listed in Addendum II, Equipment List, attached hereto and incorporated herein by reference. All work on fixed equipment shall be performed at the location of the equipment whenever possible. Emergency service shall be provided twenty-four hours per day, seven days per week. Technical personnel must respond to the emergency service request and begin troubleshooting efforts within one (1) hour of the request and be at the location of the failed equipment within two (2) hours of the request if the problem cannot be corrected remotely. This service is included in the monthly maintenance rate. No fixed equipment shall be out of service in excess of 24 hours after notification of equipment failure when the failure results in the inability of mobile units to communicate with each other or with a dispatch center.

2.4 Mobile Equipment Maintenance

Mobile equipment is defined as those vehicular mounted radios, personal portable radios, vehicular repeaters, portable radio chargers, radio control stations and other mobile equipment, all as listed in Addendum II, Equipment List.

Mobile equipment shall be serviced at the customer building where the vehicle is normally assigned, at the vehicle's work location, or at a Seller's authorized service facility during normal working hours as mutually agreed upon by Seller and the Customer. All mobile service requests must be responded to within two working days from the receipt of the repair request. If the mobile radio cannot be repaired within two hours from the beginning of a service action, the radio unit shall be replaced, if requested, with a customer-provided spare unit. Emergency service shall be available twenty-four hours per day, seven days per week. Emergency service on mobile equipment, if requested, will be performed at the rate for demand service set forth in Addendum I, Maintenance Rates, attached hereto and incorporated herein by reference.

2.5 Spare Parts and Radios

- a. Seller will maintain an adequate stock of spare parts, system-critical modules and mobile and portable radios as a back-up to Customer's spares inventory. The initial purchase of Customer's spares inventory will be at Customer expense.
- b. Seller will support provisioning of its equipment for a period of five (5) years after final production of mobile and portable radios and seven (7) years after final production of fixed equipment. Third party equipment will be supported in accordance with the individual manufacturer's provisioning policy. Seller will utilize commercially reasonable efforts to assure spare parts and equipment availability to support its maintenance obligations under this Agreement. Seller shall not be liable to Customer for spare part and equipment obsolescence or unavailability under this Agreement beyond commercially reasonable efforts.

2.6 Working Hours

Working hours are defined as 8:00 a.m. to 5:00 p.m. local time, Monday through Friday, excluding holidays. Work performed outside of working hours will be performed at Demand Services rates.

2.7 Demand Services

"Demand Services" shall mean service requests that are not included in this Maintenance Agreement as described in Section 2.8, Maintenance Responsibilities, of this Agreement. The installation, removal, or reinstallation of equipment not associated with repair / maintenance efforts as defined in this Agreement shall be considered Demand Service and be performed by Seller, following reasonable notice, and at the rates listed in Addendum I to this Agreement. Service work made necessary because of abuse or neglect not under the control of Seller will be performed at the hourly rate for demand service, plus the purchase of parts. Special work, not otherwise covered, will be performed at Seller prevailing rates.

2.8 Maintenance Responsibilities

Seller agrees to provide the following services and perform the tasks described as part of this Maintenance Agreement in accordance with the limitations and definitions of Sections 2.7 and 6.4 of this Agreement.

- a. Seller shall check, on a daily basis, the radio system's alarm status and report any alarm conditions to the customer. Investigation and troubleshooting of alarms shall begin in order of severity and impact to the overall system's ability to maintain effective communications. Seller will inspect/test the communication equipment and make such repairs, adjustments and replacements of components as may be necessary to maintain and/or restore the system to normal operating conditions.
- b. Seller shall repair, maintain and service all equipment listed in Addendum II, Equipment List, attached hereto.
- c. Seller shall perform preventative maintenance inspections and tests as recommended by the OEM and required by applicable FCC regulations; as a minimum, these inspections and tests will be performed annually for equipment listed in Addendum II.

2.9 Service Records

The following service records shall be maintained and made available to the Customer upon request:

Monthly emergency service activity including failure type, corrective action taken and time required to restore service.

The results of preventive maintenance tests and inspections shall be provided, upon request by the Customer within 30 days of completion.

Service records for work performed as described in Section 2.9 shall be retained for the duration of this Agreement and any subsequent renewal periods.

2.10 Software Upgrades

Seller will provide labor to install and test software upgrades, whether for corrective or enhancement purposes, as per the terms of Exhibit D, Software FX Agreement.

2.11 Database Reprogramming

Mobile radio or system database corrections will be provided by Seller at no cost to Customer, during the term of this Agreement, if the correction is necessary because of an error or omission on Seller's part. Database changes made at Customer's request will be performed at the hourly rates listed in Addendum I to this Agreement.

2.12 General

All services provided under this Agreement are only applicable to the land mobile radio products and systems sold and provided by Seller to Customer and listed in Addendum II to this Agreement.

2.13 Special Conditions

Any and all special service conditions are listed in Addendum III to this Agreement, the provisions of which are incorporated herein by reference.

3. CUSTOMER FINANCIAL OBLIGATIONS

- 3.1** Customer shall pay the annual maintenance fee as set forth in Addendum I to this Agreement in advance, on or before the effective date of this Agreement as set forth in Section 5.1 hereof. Fees for demand services, as set forth in Addendum I to this Agreement, are payable within thirty (30) days of receipt of Seller's invoice.
- 3.2** Seller may at any time hereafter revise the rates set forth in Addendum I by giving Customer written notice thereof not later than ninety (90) day prior to the expiration of a yearly period, provided that the revised rates are mutually agreed upon in writing and said revised rates shall be effective for the next yearly period, unless either party exercises its option to terminate the Agreement.
- 3.3** Any other payments under this Agreement are due within thirty (30) days of receipt of Seller's invoice.
- 3.4** All late payments under this Agreement shall bear interest at a rate of one and one-half percent (1.5%) per month.

4. WARRANTY

- 4.1** Seller warrants that all services performed under this Agreement will be done in an efficient and workmanlike manner. Under no circumstances will Seller's liability to Customer exceed the amounts paid by Customer under this Agreement for the applicable service that causes the Customer's claim. IN NO EVENT SHALL SELLER BE LIABLE TO THE CUSTOMER FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, INDIRECT OR EXEMPLARY DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT OR REVENUES, LOSS OF USE OF THE EQUIPMENT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, FACILITIES, SERVICES OR REPLACEMENT POWER, DOWNTIME COSTS OR CLAIMS OF CUSTOMER'S CLIENTS, IF ANY, FOR SUCH DAMAGES.
- 4.2** THE WARRANTY SET FORTH IN SECTION 4.1 ABOVE IS SELLER'S SOLE WARRANTY UNDER THIS AGREEMENT AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES WHETHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- 4.3 Patents, Trademarks, Information**
 - a.** Nothing in this Agreement shall be construed as; (i) A warranty or representation by Seller that any advice provided under this Agreement is or will be free from infringement of patents of third parties; or (ii) Conferring a right to Customer to use in advertising, publicity or otherwise any trademark or trade name of Seller; or (iii) Granting to Customer by implication, estoppel, or otherwise any licenses or rights under patents of Seller.

- b. SELLER MAKES NO REPRESENTATIONS, EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, AND ASSUMES NO RESPONSIBILITIES WHATSOEVER WITH RESPECT TO THE ADEQUACY, ACCURACY OR UTILITY OF ANY INFORMATION OBTAINED BY CUSTOMER UNDER THIS AGREEMENT. Seller assumes no responsibilities whatsoever with respect to the use by Customer or any third party of any information obtained by Customer or third party under this Agreement with respect to any use, sale or other disposition by Customer or its clients or other transferees of any products incorporating or made by use of the information obtained under this Agreement.

4.4 General

- a. Radio systems are subject to degradation of service from natural phenomena such as so-called "skip" interference and other causes beyond the reasonable control of Seller such as motor ignition and other electrical noise as well as interference from other users assigned by the FCC to the same or adjacent frequencies. Seller cannot be responsible for interference or disruption of service caused by operation of other radio systems or by natural phenomena or by motor ignition or other interference over which there is no reasonable control. Such foregoing interference and noise can be minimized by the addition of corrective devices (at Customer's expense) adapted for particular locations and installations. Seller will investigate interference complaints (at the rates specified in Addendum I to this Agreement) and make recommendations as to the use of such devices; however, total freedom from noise and interference cannot be guaranteed.
- b. Seller does not assume responsibility for signal strength unless the deficiency is the result of substandard equipment maintenance.
- c. If, due to the action of regulatory authorities, changes to the equipment become necessary, such changes will be performed by Seller upon request at the expense of Customer.

5. TERM AND TERMINATION

- 5.1 The services under this Agreement will be provided by Seller to Customer for an eleven (11) year term; Years 1 through 11, as indicated in Addendum I, to be effective April 6, 2017 through December 31, 2027. Thereafter on an annual basis as provided herein with rates to be modified as set forth in Section 3.2.
- 5.2 The services shall be automatically extended at the end of the initial year for an additional year and on a succeeding yearly basis thereafter unless either party notifies the other, in writing, at least sixty (60) days prior to the end of the yearly period then in effect that the services shall not be extended.
- 5.3 In the event that Customer fails to make any overdue payments due to Seller under this Agreement within fifteen (15) days after receipt of written notice from Seller, Seller may at its option immediately thereafter terminate this Agreement.
- 5.4 In the event of any other default under this Agreement, either Customer or Seller shall give the other party written notice describing the default and a thirty (30) day period to correct the default. This Agreement may then be immediately canceled if the default is not corrected prior to the end of the thirty (30) day period.

6. LIMITATION OF LIABILITY

- 6.1** The total liability of seller, including its subcontractors or suppliers, on any and all claims, whether in contract, warranty, tort (including negligence or patent infringement) or otherwise, arising out of, connected with, or resulting from the performance or non-performance of any agreement resulting herefrom or from the manufacture, sale, delivery, resale, repair, replacement or use of any equipment or the furnishing of any service, shall not exceed the price allocable to the equipment or service which gives rise to the claim. Except as to title any such liability shall terminate upon the expiration of the applicable warranty period specified in the article entitled "warranty".
- 6.2** IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE OR PATENT INFRINGEMENT) OR OTHERWISE, SHALL SELLER, OR ITS SUBCONTRACTORS OR SUPPLIERS, BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, INDIRECT OR EXEMPLARY DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT OR REVENUES, LOSS OF USE OF THE EQUIPMENT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, FACILITIES, SERVICES OR REPLACEMENT POWER, DOWNTIME COSTS OR CLAIMS OF BUYERS CUSTOMERS FOR SUCH DAMAGES. IF BUYER TRANSFERS TITLE TO, OR LEASES THE EQUIPMENT SOLD HEREUNDER TO, OR OTHERWISE PERMITS OR SUFFERS USE BY, ANY THIRD PARTY, BUYER SHALL OBTAIN FROM SUCH THIRD PARTY A PROVISION AFFORDING SELLER AND ITS SUBCONTRACTORS AND SUPPLIERS THE PROTECTION OF THE PRECEDING SENTENCE.
- 6.3** Any action for any claim of any kind for any loss or damages arising out of, connected with, or resulting from the performance, non-performance or breach of the Contract, or from the manufacture, sale, delivery, installation, technical direction or installation, resale, repair, replacement, licensing or use of any Hardware, Software or the furnishing of any Services, shall be commenced within one (1) year after the cause of action occurred or it shall be deemed waived or barred.
- 6.4** Seller shall not be liable for costs incurred for repair and/or replacement of equipment that fails or becomes inoperative due to negligence on the part of the user, liquid intrusion, lightning damage, user installations, user removals and/or acts of God, acts of terrorism or work performed by third parties not authorized by Seller to perform work on Seller equipment.
- Seller shall not be liable for costs incurred for correcting, replacing or repairing equipment damaged and/or data corruption induced and/or caused by 3rd party personnel or other equipment / systems not provided by Seller.
- 6.5** The provisions of this Section, LIMITATION OF LIABILITY, shall apply notwithstanding any other provisions of this Contract and any other agreement.
- 6.6** The provisions if this Section, LIMITATION OF LIABILITY, shall survive the expiration or termination of this Contract.

7. GENERAL PROVISIONS

- 7.1** All notices under this Agreement shall be in writing and shall be deemed to have been duly given upon being delivered personally or upon receipt if mailed by certified mail, return receipt requested.

Notices shall be sent to the representatives named below or any subsequent representative for which notice was provided pursuant to this section.

Seller:

Harris Corporation
221 Jefferson Ridge Parkway
Lynchburg, Virginia 24501

Customer:

Dane County, Wisconsin
210 Martin Luther King Jr Blvd
Room 109
Madison, WI 53703-3345

- 7.2 This Agreement shall be interpreted and the legal relations between the parties determined in accordance with the laws of the Commonwealth of Virginia. The invalidity, in whole or in part, of any provision of this Agreement shall not affect the validity of enforceability of any other provisions thereof.
- 7.3 Seller shall not be responsible for delays or failures in performance under this Agreement that are due to causes beyond its reasonable control including, but not limited to, acts of God, war, acts of terrorism, fires, severe weather, floods, strikes, blackouts, – embargoes or work performed on Seller equipment by third parties not authorized by Seller to perform such work. In the event such delays or failures interrupt Seller’s services to Customer, Seller shall promptly notify Customer of the circumstances and the anticipated delay.
- 7.4 This Agreement represents the entire understanding of the parties with respect to the subject matter hereof and this Agreement supersedes and replaces all prior Agreements and understandings, either oral or written, regarding the subject hereof.
- 7.5 This Agreement cannot be amended, modified or any provisions waived orally. All amendments and modifications must be in writing and signed by both parties. All waivers must be provided in writing by the party waiving their rights under this Agreement.
- 7.6 This Agreement may not be assigned without the prior written consent of the other party, which consent shall not be unreasonably withheld. However, Seller may: (i) assign all of its rights, obligations and liabilities under this Agreement to any subsidiary; or (ii) assign its rights to monies due or payable under this Agreement; Seller shall provide Customer with written notice of any such assignment. Seller’s assignment of monies due or payable under the Agreement will not relieve Seller of any obligations or responsibilities to Customer hereunder.

Intending to be bound hereby, the Parties hereto have caused this System Maintenance Agreement to be executed, as of the latest date below, by the Parties’ duly authorized representatives.

HARRIS CORPORATION
Communication Systems

THE COUNTY OF DANE, WISCONSIN

By: *Andrew Wilson*
Name: *Andrew Wilson*
Title: *Contracts Manager*
Date: *2/15/18*

By: _____
Name: _____
Title: _____
Date: _____

ADDENDUM I

SYSTEM MAINTENANCE RATES

Maintenance Billing Period:	Maintenance Rates	NOC¹ Basic Services Rate	Total Maintenance Rates + NOC Basic Services Rates and Billing Dates
Year 1 April 6, 2017-December 31, 2017*	\$418,888.83 x (9/12months) x 85%		\$267,041.00 billed on April 6, 2017
Year 1 July 1, 2017-December 31, 2017**	\$418,888.83 x (6/12months) x 15%	\$21,700.00	\$ 53,116.00 billed July 1, 2017
Year 2 January 1, 2018-December 31, 2018***	\$429,988.83	\$23,900.00	\$453,888.83 billed January 1, 2018
Year 3 January 1, 2019-December 31, 2019****	\$157,742.83	\$23,900.00	\$181,642.83 billed January 1, 2019
Year 4 January 1, 2020-December 31, 2020***	\$429,988.83	\$23,900.00	\$453,888.83 billed January 1, 2020
Year 5 January 1, 2021-December 31, 2021***	\$429,988.83	\$23,900.00	\$453,888.83 billed January 1, 2021
Year 6 January 1, 2022-December 31, 2022***	\$429,988.83	\$23,900.00	\$453,888.83 billed January 1, 2022
Year 7 January 1, 2023- December 31, 2023	\$521,279.69	\$23,900.00	\$545,179.69 billed January 1, 2023
Year 8 January 1, 2024- December 31, 2024	\$562,262.06	\$24,985.00	\$587,247.06 billed January 1, 2024
Year 9 January 1, 2025- December 31, 2025	\$606,523.03	\$26,124.25	\$632,647.28 billed January 1, 2025
Year 10 January 1, 2026- December 31, 2026	\$654,324.87	\$27,320.46	\$681,645.33 billed January 1, 2026
Year 11 January 1, 2027- December 31, 2027	\$705,950.86	\$28,576.49	\$734,527.35 billed January 1, 2027

*Warranty/Maintenance Year 1 pro-rated for the accepted portion (85%) of the system

**Warranty/Maintenance Year 1 pro-rated for the remaining 15% of the Conventional system (assuming CATP passes in June)

***Maintenance Years 2, 4, 5, 6, and 7 for 100% of system

**** Maintenance Year 3 Maintenance Credit applied based on concession in Amendment 7 under Exhibit 7-B Expanded System Price

Years 2 through Year 7 rates are reflective of the additional (1) Unified Audio Card (UAC), and (4) Symphony consoles at EDC to be added to the Equipment List as indicated in this Amendment No. 10.

DEMAND SERVICE RATES Billing Period	Hourly Rate (normal Working Hours)	Hourly Rate (overtime and holidays)
Year 1 - January 1, 2017 -December 31, 2017	\$113.00	\$169.50
Year 2 - January 1, 2018- December 31, 2018	\$117.52	\$176.28
Year 3 - January 1, 2019- December 31, 2019	\$122.22	\$183.33
Year 4 - January 1, 2020- December 31, 2020	\$127.11	\$190.67
Year 5 - January 1, 2021- December 31, 2021	\$132.19	\$198.29
Year 6 - January 1, 2022- December 31, 2022	\$137.48	\$206.22
Year 7 - January 1, 2023 -December 31, 2023	\$176.40	\$264.61
Year 8 - January 1, 2024- December 31, 2024	\$183.46	\$275.19
Year 9 - January 1, 2025- December 31, 2025	\$190.79	\$286.20
Year 10 - January 1, 2026- December 31, 2026	\$198.43	\$297.65
Year 11 - January 1, 2027- December 31, 2027	\$206.36	\$312.53

¹ NOC Basic Services to be included in Addendum IV Scope of Work.

ADDENDUM II

EQUIPMENT AND SPARES LIST

CCB DISPATCH

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
VSCR07	Router,2911,AC,Security,w/Ether Switch	FTX1542AJKY
VSCR07	Router,2911,AC,Security,w/Ether Switch	FTX1542AJKG
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513340
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513466
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763341
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513470
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513398
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513276
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763637
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763425
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763243
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763605
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513506
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763249
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0922763433
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513472
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513269
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513460
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	0956513412
R9063 Rev C	Symphony Gateway System with Encryption	0956513382
R9063 Rev C	Symphony Gateway System with Encryption	0956513392
R9063 Rev C	Symphony Gateway System with Encryption	0956513517
R9063 Rev C	Symphony Gateway System with Encryption	0922763711
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	
ELO ET2400LM-8CNA-1-GY-G NEC MultiSync P242W	Monitor, 24" Touchscreen	

NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
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9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
9227-ROHS	Duet, Dual Console Interface	
CP-MR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
HC115Q1-12F	Control Station Combiner Antenna Ports	A36434003-004
HC115Q1-12F	Control Station Combiner 21-24	A36434003-003
HC115Q1-12F	Control Station Combiner 17-20	A36434003-002
HC115Q1-12F	Control Station Combiner 13-16	A36434003-001
HC115Q1-12F	Control Station Combiner Antenna Ports	A36434003-004
HC115Q1-12F	Control Station Combiner 9-12	A36434003-003
HC115Q1-12F	Control Station Combiner 5-8	A36434003-002
HC115Q1-12F	Control Station Combiner 1-4	A36434003-001
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15984
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351024
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351127
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351087
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351166
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351165
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15980
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15975
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351127
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351124
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351128
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351167
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15979
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15997
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351084
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351025
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351088

MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351086
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15988
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15983
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351168
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351125
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351097
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351126
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16039
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16040
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351085
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351094
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351027
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351164
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16034
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15969

CCB PRIMARY NSC & IPCP

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MANS-CA3C	Cabinet,NSS,w/Pwr Strips,F&B Drs	N/A
MANS-CP9B	Netclock,GPS Master Clock	
	7705 MPLS Router	NS120662757
VSCR02	Router,Cisco 3925,IP Adv Security	FOC153557P3
VSCR04	Cisco ASA5510	JMX1540X19T
VSCR07	Router,2911,AC,Security,w/Ether Switch	FTX1542AJKG
VSCR16	Router,Cisco 3560X,AC Pwr	FD0153K12R
VSSD02	Server,Dell R610,Active Directory Server	DQ9VR1
MANM-TSCDR	Server,Transcoder	6B42TR1
MANS-NCU3D	Kit,1RU Monitor,Key Board,Mouse,KVM	2114AATCB830900109
MANS-STD1	Server,Network Switch(NSS),Primary	BDL114500C
MANM-RVMGR	Server,Regional VIDA Manager (RVM)	BDL114500E
MANM-ISGTW	Server,ISSI Gateway	BDL114103C
MANM-RSM	Server,Regional Site Manager	2HG2XQ1
MANG-4DVUS	Chassis,4-Slot Interoperability Gateway	755
MANG-4DVUS	Chassis,4-Slot Interoperability Gateway	707
CP-MR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A	Network Sentry,IP Simulcast	1000070137
SCPS9H	Power Supply,120/230VAC,50/60Hz,24VDC	
CP-MD7B	Assy,Controller,SitePro,MME w/ Cables	C1119B03FD8
OC-016344-001	Net Clock , Simulcast	
OC-016344-001	Net Clock , Simulcast	5950
VSCR12	Router,2921,AC,Security,w/Ether Switch	FTX1521ALL0
CP-RB1V	Shelf,14-Slot,Multichannel,w/Switch	N/A
CP-PS2P	Power Supply,110-240V,AC,MASTR V	
CP-PS2P	Power Supply,110-240V,AC,MASTR V	
CP-PS2P	Power Supply,110-240V,AC,MASTR V	
CP-PS2P	Power Supply,110-240V,AC,MASTR V	

UW SECONDARY NSC & IPCP

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MANS-CA3C	Cabinet,NSS,w/Pwr Strips,F&B Drs	N/A
MANS-CP9B	Netclock,GPS Master Clock	
VSCR02	Router,Cisco 3925,IP Adv Security	FOC153558FG
VSCR16	Router,Cisco 3560X,AC Pwr	FDO15358R0
VSCR04	Cisco ASA5510	JMX1540X19V
VSCR07	Router,2911,AC,Security,w/Ether Switch	FTX1542AJKY
VSSD02	Server,Dell R610,Active Directory Server	DQ9DVR1PN
MANS-NCU3D	Kit,1RU Monitor,Key Board,Mouse,KVM	2116AATCB830900244
	DELL N3024P	
	FIBER DIST PANEL	
MANS-STD2	Server,Network Switch (NSS),Secondary	BDL1137063
7705 MPLS Router	7705 MPLS Router	NS120662757
MANM-RVMGR	Server,Regional VIDA Manager (RVM)	BDL1133033
CP-MR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	100070137
SCPS9H	Power Supply	
CP-MD7B-DC	Assy,Controller,SitePro,MME w/ Cables DC	C1119B03FD8
OC-016344-001	Net Clock , Simulcast	05950
OC-016344-001	Net Clock , Simulcast	
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1521A110
CP-RB1V	Shelf,14-Slot,Multichannel,w/Switch	N/A
CP-PS2P-DC	Power Supply,-48V,DC,MASTR V	
CP-PS2P-DC	Power Supply,-48V,DC,MASTR V	

EDC IRIM

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
CP-MR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
HC115Q1-12F	Control Station Combiner 9-12	H36434001-1
HC115Q1-12F	Control Station Combiner 5-8	H36434001-1
HC115Q1-12F	Control Station Combiner 1-4	H36434001-1
MANG-4DVUS	Chassis,4-Slot Interoperability Gateway, 12 port	00707
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5377H1110C92260
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5377H1910C96231
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10718
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10743
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16029
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16027
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10752
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10797
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10818
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10822
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15986
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB16026
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10902
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H1111C10905
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H2811C11769
MISC-MTRL-PO-REF	EFJ 5300 SmartNet Radios	5378H2811C11780

PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XF87960
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	XB15995

EDC 911

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351202
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351286
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351285
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351288
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351203
MAMW-SHMXX	Mobile,M7300,136-174MHz,50W	A40123351287
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	
PS24043-0001	Power Supply,120VAC,2X13.6VDC,6A/30A	
XL200P	XL200P Portable Radio and Charger	
XL200P	XL200P Portable Radio and Charger	
XL200P	XL200P Portable Radio and Charger	
XL200P	XL200P Portable Radio and Charger	
XL200P	XL200P Portable Radio and Charger	
XL200P	XL200P Portable Radio and Charger	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	NEW
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	NEW
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	NEW
R9063 Rev C	Symphony,Dispatch w/Speakers, HS Jacks, FS	NEW
NEC MultiSync P242W	Monitor, 24" Touchscreen	NEW
NEC MultiSync P242W	Monitor, 24" Touchscreen	NEW
NEC MultiSync P242W	Monitor, 24" Touchscreen	NEW
NEC MultiSync P242W	Monitor, 24" Touchscreen	NEW
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	
NEC MultiSync P242W	Monitor, 24" Touchscreen	

MADISON (UW) SITE 8

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070143
OC-016344-001	Net Clock, Simulcast, MastrV	01305
OC-016344-001	Net Clock, Simulcast, MastrV	01297
OC-016344-001	Net Clock, Simulcast, MastrV	01200
OC-016344-001	Net Clock, Simulcast, MastrV	01294
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJXY
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541356
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541357
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541309
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541310
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-18-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-28-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-38-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-48-1
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541311
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541312
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541313
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541314
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-58-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC526774-1-2
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-14
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-43
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicupler	H36474001-2
	Receiver Preselector, 2 Cavity	Custom
SV-CL2D-DC	3560v2 Switch, DC Power	FDO1544Y25H
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541315
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541316
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-19
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-37

MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792985
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792984
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792983
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	98776385
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792982
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792981
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792969
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792968
SXMR1D	Rack,Open,86 in	N/A
	CONVEX AUDIO 2241A	
	CONVEX AUDIO 2240A	
	VOICE OPTIMIZER NBL4	1019
	CONVEX AUDIO 2240A	
	BOGEN DFT120	
	HARRIS CS7000 DESKTOP STATION	
	Duplexer, UHF	142819
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123084
	Convex Delay Timer	5840
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792967
	Dual Stage Isolator	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792986
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792966
	P25 Transmit Combiner	
	TX Combiner # 1	CC62435-1-6C
	TX Combiner # 1	CC62435-1-6D
	TX Combiner # 2	CC62435-1-6E
	TX Combiner # 2	CC62435-1-6F
	Mutual Aid Receive Combining Solution	
	RX Multicoupler	CC648321-1A
	RX Multicoupler	CC648321-1B
	RX Filter Cavities	CC648321-1C
	RX Filter Cavities	CC648321-1D

	RX Filter Cavities	CC648321-1E
	RX Filter Cavities	CC648321-1F
	Mutual Aid Transmit Combiner	
	TX Filter Cavities	CC64832-1-1K
	TX Filter Cavities	CC64832-1-1L
	TX Filter Cavities	CC64832-1-1M
	Mutual Aid Transmit Combiner	
	TX Dual Stage Isolator	CC64832-1-1G
	TX Filter Cavities	CC64832-1-1H
	TX Filter Cavities	CC64832-1-1I
	TX Filter Cavities	CC64832-1-1J
	Rack, 26", DC Supply & Distribution	
	Power Controller LVBD	120743100020
	DC Rectifier Chassis	12074310022
	Slave 48VDC Distribution Buss	120743100031
	Main 48VDC Distribution Buss	120743100037
	Converter, 48VDC to 24VDC	120543100380
	Converter, 48VDC to 12VDC	021237105
	Converter, 48VDC to 12VDC	021237103
	Converter, 48VDC to 12VDC	021237100
	Flat Pack DC Rectifier 48V	114571165648
	Flat Pack DC Rectifier 48V	114571166139
	Flat Pack DC Rectifier 48V	114571164762
	Flat Pack DC Rectifier 48V	114571164847
	Flat Pack DC Rectifier 48V	114571164850
	Flat Pack DC Rectifier 48V	114571165673
	Flat Pack DC Rectifier 48V	114571164869
	Flat Pack DC Rectifier 48V	114571165952
	Flat Pack DC Rectifier 48V	114571165980
	Flat Pack DC Rectifier 48V	114571166213
	Flat Pack DC Rectifier 48V	114571165178
	Flat Pack DC Rectifier 48V	114571165124
	Flat Pack DC Rectifier 48V	114571164854
	Flat Pack DC Rectifier 48V	114571166254
	Flat Pack DC Rectifier 48V	114571165128
	Flat Pack DC Rectifier 24V	114271001325
	Flat Pack DC Rectifier 24V	114671002419
	Flat Pack DC Rectifier 24V	114671002261
	Flat Pack DC Rectifier 24V	114671002107
	Flat Pack DC Rectifier 24V	114671002109
	Flat Pack DC Rectifier 24V	114671002097
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2684-205r1
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2684-205r2
	Microwave Battery Rectifier	2029011205739
	Microwave Battery Rectifier	2031081106606
SMIX48	Microwave DC Plant	FPS126143
	Microwave, Dehydrator	A-061203932
	16 Port Network I/O Controller	1340080-020 00003

	16 Port Network I/O Controller	1340080-020 00003
	Automatic Transfer Switch	1636416-1
	ATS Controller/Exerciser	K3059502
	Generator, 50Kw, Diesel	SGM3229H7
CP-MR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	150114005 IT486997
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	160301274 IT503441
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	160301277 IT503444
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	160301297 IT503446
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	150114001 IT486996
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120130132 IT441872
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123048 IT444603
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123047 IT444602
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123044 IT444599
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123044 IT444600
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123046 IT444601
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123049 IT444604
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123043 IT444698
KRD103106/264	Multiplexer,CP,12Ch,w/o IEA,+24DPS	120123084 IT441865
SXMR1D	Rack,Open,86 in	N/A
VJCJPSX	Voter,Conventional Analog	C11315
VJCJPSX	Voter,Conventional Analog	C11320
VJCJPSX	Voter,Conventional Analog	C11316
VJCJPSX	Voter,Conventional Analog	C11313
VJCJPSX	Voter,Conventional Analog	C11315
VJCJPSX	Voter,Conventional Analog	C11306
VJCJPSX	Voter,Conventional Analog	C11304
VJCJPSX	Voter,Conventional Analog	C113915

ROXBURY SITE 9

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070139
OC-016344-001	Net Clock, Simulcast, MastrV	01304
OC-016344-001	Net Clock, Simulcast, MastrV	01295
7705 SAR-8	7705 MPLS Router	NS120662907
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJY4
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541319
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541320
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541321
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541322
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-20
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-17
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-15
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-11
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541323
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541324
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541325
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541326
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-5

MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-13
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-12
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-9
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicupler	H36474001-3
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543X2KK
	Receiver Preselector	CC62435-1-5B
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541317
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541318
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-4
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-1
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123087
	Convex Delay Timer	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793004
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793003
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793002
	P25 Transmit Combiner	
	TX Combiner # 1	CC62435-1-5C
	TX Combiner # 1	CC62435-1-5D
	TX Combiner # 2	CC62435-1-5E
	TX Combiner # 2	CC62435-1-5F
	Mutual Aid Transmit Combiner	
	TX Dual Stage Isolator	CC64832-2-1F
	TX Combiner Cavities	CC64832-2-1G

	TX Combiner Cavities	CC64832-2-1H
	TX Combiner Cavities	CC64832-2-1I
	TX Combiner Cavities	CC64832-2-1J
	Mutual Aid Receive Combining Solution	
	RX Multicouper	CC64832-2-1A
	RX Multicouper	CC64832-2-1B
	RX Multicouper, Filter Cavities	CC64832-2-1C
	RX Multicouper, Filter Cavities	CC64832-2-1D
	RX Multicouper, Filter Cavities	CC64832-2-1E
	Rack, 26", DC Supply & Distribution	
	Power Controller LVBD	120743100017
	DC Rectifier Chassie	120743100024
	Flat Pack DC Rectifier 24V	114271001318
	Flat Pack DC Rectifier 24V	114271001274
	Flat Pack DC Rectifier 24V	114271001317
	Flat Pack DC Rectifier 24V	114271000695
	Flat Pack DC Rectifier 48V	114571166040
	Flat Pack DC Rectifier 48V	114571165826
	Flat Pack DC Rectifier 48V	114571166090
	Flat Pack DC Rectifier 48V	114571166109
	Flat Pack DC Rectifier 48V	114571166272
	Flat Pack DC Rectifier 48V	114571165698
	Flat Pack DC Rectifier 48V	114571165832
	Flat Pack DC Rectifier 48V	114571166207
	Flat Pack DC Rectifier 48V	114571165700
	Flat Pack DC Rectifier 48V	114571166208
	Flat Pack DC Rectifier 48V	114571165639
	Flat Pack DC Rectifier 48V	114571166027
	Slave 48VDC Distribution Buss	120743100034
	Main 48VDC Distribution Buss	120743100035
	Converter, 48VDC to 24VDC	120543100377
	Converter, 48VDC to 12VDC	021237097
	Converter, 48VDC to 12VDC	021237099
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2678-202R1
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2678-202R2
	Microwave Battery Charger	
	MW Rectifier	
	MW Rectifier	
	MW Rectifier	
	Microwave, Dehydrator	A-061203937
	ATS Controller	K3058095
	ATS Switch	1635390-1
	Generator, Propane, 45Kw	SGM3229FM

EISNER SITE 10

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070144
OC-016344-001	Net Clock, Simulcast, MastrV	01201

OC-016344-001	Net Clock, Simulcast, MastrV	01208
7705 SAR-8	7705 MPLS Router	NS120662884
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJXZ
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541289
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541290
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541291
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541292
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-9
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-5
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52504-1-4
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541294
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541293
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541295
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541296
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-2
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52504-1-7
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-8
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-3
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicoupler	36474001-5
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1544Y25F
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541297
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541298
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-18
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52913-1-19
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123082 IT441863

SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792987
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792990
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792989
SXMR1D	Rack,Open,86 in	N/A
	Dual Stage Isolator	
	Convex Delay Timer	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792973
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792971
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792970
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792972
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792973
	Rack, Open, 86 in, P25 TX Combiner	
	TX Combiner # 1	CC62435-1-4C
	TX Combiner # 1	CC62435-1-4D
	TX Combiner # 2	CC62435-1-4E
	TX Combiner # 2	CC62435-1-4F
	Mutual AidTX Combining Solution	
	TX Dual Stage Isolator	CC64832-2-3F
	TX Combiner Cavities	CC64832-2-3G
	TX Combiner Cavities	CC64832-2-3H
	TX Combiner Cavities	CC64832-2-3I
	TX Combiner Cavities	CC64832-2-3J
	Mutual Aid Rx Combining Solution	
	RX Multicoupler	CC64832-2-2A
	RX Multicoupler	CC64832-2-2B
	RX Filter Cavities	CC64832-2-2C
	RX Filter Cavities	CC64832-2-2D
	RX Filter Cavities	CC64832-2-2E
	Rack, 26", DC Supply & Distribution	
	Power Controller LVBD	120743100019
	DC Rectifier Chassie	12074310021
	Flat Pack DC Rectifier 48V	114671002089
	Flat Pack DC Rectifier 48V	114671002460
	Flat Pack DC Rectifier 48V	114671002393
	Flat Pack DC Rectifier 48V	114671002106
	Flat Pack DC Rectifier 48V	114671115695
	Flat Pack DC Rectifier 48V	114571165106
	Flat Pack DC Rectifier 48V	114671115550
	Flat Pack DC Rectifier 48V	114671115694
	Flat Pack DC Rectifier 48V	114671115495

	Flat Pack DC Rectifier 48V	114571165500
	Flat Pack DC Rectifier 48V	114671115652
	Flat Pack DC Rectifier 48V	114671115586
	Flat Pack DC Rectifier 48V	114671115571
	Flat Pack DC Rectifier 48V	114671115696
	Flat Pack DC Rectifier 48V	114571165121
	Flat Pack DC Rectifier 48V	114671115618
	Flat Pack DC Rectifier 48V	114671115592
	Flat Pack DC Rectifier 48V	114571165988
	Slave 48VDC Distribution Buss	120743100032
	Main 48VDC Distribution Buss	120743100036
	Flat Pack DC Rectifier 24V	120743100036
	Flat Pack DC Rectifier 24V	120743100032
	Flat Pack DC Rectifier 24V	120743100021
	Flat Pack DC Rectifier 24V	120743100019
	Converter, 48VDC to 24VDC	120543100381
	Converter, 48VDC to 12VDC	021237098
	Converter, 48VDC to 12VDC	021237104
	Rack, Microwave, Equipment	
SMIX48	MW 48 v Plant	EPS1250780
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2669-201R1
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2669-201R2
	Microwave Battery Charger	CA1A8562
	MW Rectifier	
	MW Rectifier	
	MW Rectifier	
	Microwave, Dehydrator	A-061203936
	ATS Controller	K3055188
	ATS Switch	1634895-1
	Generator, Propane, 45Kw	SGM32279K

STOUGHTON WT SITE 11

DESCRIPTION	SERIAL NUMBER	OEM/HARRIS PART NUMBER
Rack,Open,86 in(Xtra Dp) with support	N/A	MASC-NMR1H
Network Sentry,IP Simulcast, DC	1000071447	CM21874-0004
Net Clock, Simulcast, MastrV	10159	OC-016344-001
Net Clock, Simulcast, MastrV	10161	OC-016344-001
7705 MPLS Router	NS1611f1689	IPMJ110GRA
Router,2921,DC,Security,w/Ether Switch	FTX1817AJBY	CMMBL00ARB
Station,MASTR V,P25T,150-174MHz	8541505	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541506	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541497	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541501	EA-555002-001

Preselector,150-160MHz,MASTR V	CC79674-76-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-77-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-78-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-79-1	FP20401B-3-1
Station,MASTR V,P25T,150-174MHz	8541499	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541500	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541498	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541502	EA-555002-001
Preselector,150-160MHz,MASTR V	CC79674-80-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-11-1	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC79674-12-1	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC79674-13-1	FP20401B-2-1
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102

Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Rack,Open,86 in(Xtra Dp) with support	N/A	MASC-NMR1H
16 CH RX Multicoupler		DBSMC1-16AA
Cisco 3400	FCW1942H0QQ	
Cable,3560v2 Switch, DC Power		COMKR00DRC
Station,MASTR V,P25T,150-174MHz	8541503	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8521504	EA-555002-001
Preselector,150-160MHz,MASTR V	CC79674-4-1	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC79674-5-1	FP20401B-2-1
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Rack,Open,86 in	N/A	SXMR1D
Convex Delay Timer		
Station,Conv MASTR III,150.8-174MHz,110W	987799778	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987799777	EA101292V12
Rack,Open,86 in	N/A	SXMR1D
Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123085 IT441868	KRD103106/252
Station,Conv MASTR III,150.8-174MHz,110W	987792997	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987792998	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987792999	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987799776	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987793000	EA101292V12
Rack,Open,86 in	N/A	SXMR1D
Station,Conv MASTR III,150.8-174MHz,110W	987792991 (Could be 3 from above)	EA101292V12

Station,Conv MASTR III,150.8-174MHz,110W	987792992	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987792993	EA101292V12
P25 Transmit Combiner		
TX Combiner # 1	CC62435-1-8C	YA2-04421-01R0
TX Combiner # 1	CC62435-1-8D	YA2-04421-01R0
TX Combiner # 2	CC62435-1-8E	YA2-04421-01R0
TX Combiner # 2	CC62435-1-8F	YA2-04421-01R0
Mutual Aid Transmit Combiner		
TX Dual Stage Isolator	CC648322-2F	YA2-04670-01R0
TX Filter Cavities	CC648322-2G	YA2-04670-01R0
TX Filter Cavities	CC648322-2H	YA2-04670-01R0
TX Filter Cavities	CC648322-2I	YA2-04670-01R0
TX Filter Cavities	CC648322-2J	YA2-04670-01R0
Mutual Aid Receive Combining Solution		
RX Multicoupler	CC648322-3A	YA2-04670-01R0
RX Multicoupler	CC648322-3B	YA2-04670-01R0
RX Filter Cavities	CC648322-3C	YA2-04670-01R0
RX Filter Cavities	CC648322-3D	YA2-04670-01R0
RX Filter Cavities	CC648322-3E	YA2-04670-01R0
Rack, 26", DC Supply & Distribution		
Power Controller LVBD	120743100018	273766
DC Rectifier Chassie	12074310023	264371
Stoughton WI Site 11 DC	153971039963	
Stoughton WI Site 11 DC	153971039626	
Stoughton WI Site 11 DC	153971039762	
Stoughton WI Site 11 DC	153971039946	
Stoughton WI Site 11 DC	153971040803	
Stoughton WI Site 11 DC	153971039143	
Stoughton WI Site 11 DC	153971039711	
Slave 48VDC Distribution Buss	120743100033	263918
Main 48VDC Distribution Buss	120743100038	265430
Stoughton WI Site 11 DC	142671009820	
Stoughton WI Site 11 DC	142671009930	
Stoughton WI Site 11 DC	142571007091	
Converter, 48VDC to 24VDC	120543100379	226983
Converter, 48VDC to 12VDC	021237127	1502-48-13-30-M3
Converter, 48VDC to 12VDC	021237128	1502-48-13-30-M3
Rack, Microwave, Equipment		
MDR Radio (6.175 GHz) Microwave	als000143-202r2	MDR 9500
MDR Radio (6.175 GHz) Microwave	13-2679-203r1	MDR 800
Microwave Battery Charger	BPS1670034	SMIX48-AL8
RECTIFIER	2029121508125	
RECTIFIER	2029121508124	

Microwave, Dehydrator	A-061203931	920635-C
ATS Controller	K358094	KSS-DFNC-02005
ATS Switch	1635236-1	GM30316
Generator, Propane, 45Kw	SGM32279J	45REZG

SUN PRAIRIE SITE 12

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070086
OC-016344-001	Net Clock, Simulcast, MastrV	01302
OC-016344-001	Net Clock, Simulcast, MastrV	01306
7705 SAR-8	7705 MPLS Router	NS120662849
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJXU
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541329
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541330
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541331
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541332
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-44
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-30
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-47
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-15
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541365
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541366
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541333
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541334
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-32
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-41
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-46
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-34
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicupler	
YA2-04421-01R0	Receiver Preselector	CC62435-1-2B
YA2-05664-01R0	Receiver Preselector	CC81020-1-4D

SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543X2J6
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541367
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541368
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-48
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-49
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123083
	Dual Stage Isolator	
	Convex Delay Timer	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792994
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	120743100222
	Flat Pack DC Rectifier 48V	114571164787
	Flat Pack DC Rectifier 48V	114571164772
	Flat Pack DC Rectifier 48V	114571166256
	Flat Pack DC Rectifier 48V	114571164876
	Flat Pack DC Rectifier 48V	114571164793
	Flat Pack DC Rectifier 48V	114571164815
	Flat Pack DC Rectifier 48V	114571164756
	Flat Pack DC Rectifier 48V	114571164765
	Flat Pack DC Rectifier 48V	114571165749
	Flat Pack DC Rectifier 48V	114571164799
	Flat Pack DC Rectifier 48V	114571164764
	DC Distrubution Shelf	120743100026
	Flat Pack DC Rectifier 24V	114671002466
	Flat Pack DC Rectifier 24V	114671002013
	Converter, 48VDC to 12VDC	21237101
	Converter, 48VDC to 12VDC	021237125
	Contverter, 48VDC to 24VDC	120543100376
	4.9 Link	
	POE Adapter, 4.9 to Deerfield	20480-0004336
	POE Adapter, 4.9 to Sun Prairie PD	011498
	Rack, Open, 86 in	
	TX Combiner # 1	CC63829-1-2C
	TX Combiner # 1	CC63829-1-2D
	TX Combiner # 2	CC63829-1-2E
	TX Combiner # 2	CC63829-1-2F
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792995
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799731
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (6.175 GHz) Microwave	
MDR8000	MDR Radio (6.175 GHz) Microwave	
	Microwave Battery Charger	
	Exalt Radio (4.9 GHz) Microwave	
	MW Rectifier	

	MW Rectifier	
	MW Rectifier	
	Microwave Rectifier Dehydrator	A-061203928
	ATS Controller	K3061702
	ATS Switch	1636679-1
	Generator, Diesel, 50Kw	SGM3229HZ

VERONA SITE 13

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070141
OC-016344-001	Net Clock, Simulcast, MastrV	01293
OC-016344-001	Net Clock, Simulcast, MastrV	01292
7705 SAR-8	7705 MPLS Router	NS120662886
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJYA
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541345
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541346
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541347
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541348
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-38
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-36
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-18
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-33
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541351
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541352
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541353
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541354
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-19
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-28
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-17
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-22
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
	16 CH RX Multicoupler	
YA2-04421-01R0	Receiver Preselector	CC62435-1-1B

YA2-04421-01R0	Receiver Preselector	CC81020-1-6D
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543Y2EN
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541327
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541328
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-10
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC52674-1-16
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120123086
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793239
	Convex Delay Timer	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	98776386
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	98778794
SXMR1D	Rack,Open,86 in	N/A
	Duplexer,	142819-A2
SXUMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799729
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799728
SXMR1D	Rack,Open,86 in	N/A
	TX Combiner # 1	CC62435-1-1C
	TX Combiner # 1	CC62435-1-1D
	TX Combiner # 2	CC62435-1-1E
	TX Combiner # 2	CC62435-1-1F
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	120743100222
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	DC Distrubution Shelf	
	Flat Pack DC Rectifier 24V	120543100375
	Flat Pack DC Rectifier 24V	112324100318
	Converter, 48VDC to 12VDC	21237129
	Converter, 48VDC to 12VDC	21237128
	Contverter, 48VDC to 24VDC	120543100375
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2685-206R4
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2685-206R2
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2685-206R1
MDR8000	MDR Radio (11.200 GHz) Microwave	13-2685-206R3

	Microwave Battery Charger	
	MW Rectifier	2031081106633
	MW Rectifier	2031081106625
	MW Rectifier	2031081106626
b#tel12-180fbst0##	MW Batteries	TEL12180F0053530
b#tel12-180fbst0##	MW Batteries	TEL12180F0053549
b#tel12-180fbst0##	MW Batteries	TEL12180F0053550
b#tel12-180fbst0##	MW Batteries	TEL12180F0053551
b#tel12-180fbst0##	MW Batteries	TEL12180F0053531
b#tel12-180fbst0##	MW Batteries	TEL12180F0053552
b#tel12-180fbst0##	MW Batteries	TEL12180F0053532
b#tel12-180fbst0##	MW Batteries	TEL12180F0053553
	Microwave Rectifier Dehydrator	A-061203939
L86 4-5CONTROL	Tower Lighting Controller	46159
	4.9 GHz, Microwave to EPIC	N/A
	ATS Controller	K3058093
	ATS Switch	1635322-1
	Generator, Propane, 45Kw	SGM32279H

WMGN SITE 14- FITCHBURG SITE

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070148
OC-016344-001	Net Clock, Simulcast, MastrV	01298
OC-016344-001	Net Clock, Simulcast, MastrV	01299
7705 SAR-8	7705 MPLS Router	NS120662880
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1542JQC
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541335
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541336
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541337
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541338
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-13
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-21
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-12
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-20
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541339
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541340
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541341
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541342
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-27
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-58
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-24
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-11
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	

SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
	16 CH RX Multicoupler	CC64521-1-1
	Receive Preselector	CC62435-1-7B
	Receive Preselector	CC81020-1-1D
DBMORX -08LC	DB Spectra Multicoupler	H37506005-1
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543X2MM
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	140217000 IT474808
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	140217001 IT474809
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541343
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541344
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-10
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-42
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
MDR8000	Exalt Radio Microwave	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicoupler	
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543X2MM
SRHN01	Mastr III Auxilary Receiver	98779704
SRHN01	Mastr III Auxilary Receiver	98779705
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793377
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793378
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793379
	Rack, Open, 86 in	
	TX Combiner # 1	CC63769-1-1C
	TX Combiner # 1	CC62435-1-7D
	TX Combiner # 2	CC62435-1-7E
	TX Combiner # 2	CC62435-1-7F
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	264371
	DC Distrubution Shelf	263918
	Flat Pack DC Rectifier 48V	114571166244
	Flat Pack DC Rectifier 48V	161471086403
	Flat Pack DC Rectifier 48V	114571166002
	Flat Pack DC Rectifier 48V	114571166039
	Flat Pack DC Rectifier 48V	114571166253
	Flat Pack DC Rectifier 48V	114571166235
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (6.175 GHz) Microwave	13-2668-208r1

MDR8000	Exalt Radio Microwave	
SMIXZ48-ALCAT	MW PWR PLANT	IPS1252953
	Microwave Battery Charger	
	Rack, Open, 86 in	
VJCJPSX	JPS Voters FR LAW TAC TA	C128075
VJCJPSX	JPS Voters FR PS TA	C128047
VJCJPSX	JPS Voters FR FG TA	C128077
VJCJPSX	JPS Voters F3 FR LAW TAC	C128065
VJCJPSX	JPS Voters F2 FR PS	C128082
VJCJPSX	JPS Voters F1 FR FG	C128074
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120816067 IT457582
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120816065 IT457581
MANG-4DVUS	Chassis,4-Slot Interoperability Gateway	81204210
MANG-4DVUS	Chassis,4-Slot Interoperability Gateway	3513
	Router,2911,DC,Security,w/Ether Switch	SFTX167ALNA
	Rack, Open, 86 in	
	Dual Isolator, Freq 154.1750 & 154.2425	CC63769-1-1A
	Dual Isolator, Freq 154.1750 & 154.2425	CC63769-1-1B
	TX Combiner Cavities	CC63769-1-1C
	ATS Controller	SGM3294XP
	ATS Switch	1878837-1
	Generator, Propane, 45Kw	SGM329F45
ALL RX	CONV AUX RX BASE	
CHAN 3	AUX RX	
PDU		
	DB SPECTRA MULTI COUPLER	

MCKEE SITE 15

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMRIH	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000070146
OC-016344-001	Net Clock, Simulcast, MastrV	01296
OC-016344-001	Net Clock, Simulcast, MastrV	01300
7705 SAR-8	7705 MPLS Router	NS120662904
VSCR14	Router,2921,DC,Security,w/Ether Switch	FTX1547AJYC
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541355
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541363
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541359
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541361
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-23
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-26
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-16
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-14
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541358
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541360
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541362
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541364
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-25
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-29
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-35

MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-39
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicupler	
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1543X2JQ
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541349
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541350
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-45
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC56843-1-31
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
	Rack, Open, 86 in	
	TX Combiner # 1	CC62435-1-3C
	TX Combiner # 1	CC62435-1-3D
	TX Combiner # 2	CC62435-1-3E
	TX Combiner # 2	CC62435-1-3F
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	1207431100219
	DC Distrubution Shelf	1207431100030
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Flat Pack DC Rectifier 48V	
	Rack, Microwave, Equipment	
MDR8000	MDR Radio (11.200 GHz) Microwave	
	Microwave Battery Charger	

	Rectifier	
	Rectifier	
	Microwave Rectifier Dehydrator	A-061203930

DEERFIELD SITE 16

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	120130133 IT441873
	4.9Ghz Link to Sun Prairie	
CM-027501-411	Cisco2911-SEC/K9	FTX1544ALJ2
	MPLS Router 7705	NS120662904
	Convex Delay Timer	
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792974
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987793238
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792975
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792977
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792976
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792978
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987792979
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799768
	Rack,Open,86 in, 26" Wide	
	DC Distribution	120743100027
	DC Rectifier Shelf	120843100001
	Flat Pack DC Rectifier 48V	114571166013
	Flat Pack DC Rectifier 48V	114571165512
	Flat Pack DC Rectifier 48V	114571166264
	Flat Pack DC Rectifier 48V	114571163849
	Flat Pack DC Rectifier 48V	114571165437
	Flat Pack DC Rectifier 24V	114271000658
	Flat Pack DC Rectifier 24V	114271000653
	Flat Pack DC Rectifier 24V	114271001279
	Converter, 48VDC to 12VDC	21237130
	Converter, 48VDC to 12VDC	21237131
	Rack,Open,86 in, 26" Wide	
	Converter 48VDC to 12VDC	021237131
	Converter 48VDC to 12VDC	021237130
	Converter 48VDC to 24VDC	120543100378
	16 Port Network I/O Controller	1340080-020 00004
	Exalt (4.9 GHz) Radio Microwave	
	Transmit Combiner	
	TX Combiner # 1	
	TX Combiner # 1	
	TX Combiner # 2	
	TX Combiner # 2	
	Mutual Aid Transmit Combiner	
	TX Dual Stage Isolator	
	TX Filter Cavities	

	TX Filter Cavities	
	TX Filter Cavities	
	TX Filter Cavities	
	Mutual Aid Receive Combining Solution	
	RX Multicoupler	
	RX Multicoupler	
	RX Filter Cavities	
	RX Filter Cavities	
	RX Filter Cavities	
	GPS spectra com	
	Sinclair mUlti coupler	
		7705
	GPS spectra com	

WJJO SITE 17

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
CP-MD7A-DC	Network Sentry,IP Simulcast, DC	1000071418
OC-016344-001	Net Clock, Simulcast, MastrV	8507
OC-016344-001	Net Clock, Simulcast, MastrV	8510
7705 SAR-8	7705 MPLS Router	NS1611F1540
VSCR14	Router,2921,DC,Security,w/Ether Switch	FJC1927A1BP
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541496
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541495
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541494
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541493
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-66-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-67-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-68-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-69-1
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541488
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541482
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541490
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541489
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-70-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-1-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-2-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-3-1
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	

MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASC-NMR1H	Rack,Open,86 in(Xtra Dp) with support	N/A
DBSMC1-16AA	16 CH RX Multicoupler	
	P25 Multicoupler	CC81020-2-3A
	P25 Pre Amp	CC81020-2-3B
	P25 Pre Amp	CC62435-1-6B
SV-CL2D-DC	Cable,3560v2 Switch, DC Power	FDO1544Y280
	Cisco 3400E	FCW1941H00R
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541487
MASV-HTXMV	Station,MASTR V,P25T,150-174MHz	8541491
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-9-1
MASV-NRF5D	Preselector,150-160MHz,MASTR V	CC79674-10-1
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
MASV-NAW5G	Power Amplifier,Linear,150-174MHz	
SV-PS2P-DC	Power Supply,-48V,DC,MASTR V	
	Rack, Open, 86 in, P25 TX Combiner	
	TX Combiner # 1	CC81020-2-3F
	TX Combiner # 1	CC81020-2-3G
	TX Combiner # 2	CC81020-2-3D
	TX Combiner # 2	CC81020-2-3E
	TX Dual Stage Isolator (10 UNITS)	CC648322-2F
	TX Filter Cavities	CC648322-2G
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,-48DPS	160301276 IT503443
	DC-12V (-48 TO 12VDC CONVERT)	161343001288
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	C1430C36F77
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	C1424C35940
	AT MULTI COUPLER	CC81442-1-7A
SXMR1D	Rack,Open,86 in	N/A
	TX Combiner # 1	CC80775-1-6B
	RX Combiner # 1	CC80774-1-6C
	TX Dual Stage Isolator (2 UNITS)	
	Rack, Microwave, Equipment	
MDR9500	MDR Radio (6.175 GHz) Microwave	3DB19060AA
MDR8000	MDR Radio (6.175 GHz) Microwave	
	Microwave Battery Charger	
	Rectifier	2029121508157
	Rectifier	2029121508156
	Microwave Rectifier Dehydrator	A-061203930
	16 Port Network I/O Controller	1340080-020 00004
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	120743100222
	Flat Pack DC Rectifier 48V	154771065481
	Flat Pack DC Rectifier 48V	154771066982
	Flat Pack DC Rectifier 48V	154771067057

	Flat Pack DC Rectifier 48V	154771065956
	Flat Pack DC Rectifier 48V	154771065191
	Flat Pack DC Rectifier 48V	154771066981
	Flat Pack DC Rectifier 48V	154771067060
	Flat Pack DC Rectifier 48V	142571007009
	Flat Pack DC Rectifier 48V	142671009814
	Flat Pack DC Rectifier 48V	142671009838
	DC Distrubution Shelf	

ROCKDALE SITE 18

DESCRIPTION	SERIAL NUMBER	OEM/HARRIS PART NUMBER
Rack,Open,86 in(Xtra Dp) with support	N/A	MASC-NMR1H
Network Sentry,IP Simulcast, DC	1000070140	CM21874-0003
Net Clock, Simulcast, MastrV	1303	OC-016344-001
Net Clock, Simulcast, MastrV	1301	OC-016344-001
7705 MPLS Router	NS120662856	IPMJ110GRA
Router,2921,DC,Security,w/Ether Switch	FTX1547AJY3	CMMBL00ARB
Station,MASTR V,P25T,150-174MHz	8541299	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541300	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541301	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541302	EA-555002-001
Preselector,150-160MHz,MASTR V	CC79674-21-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-31-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-41-1	FP20401B-3-1
Preselector,150-160MHz,MASTR V	CC79674-51-1	FP20401B-3-1
Station,MASTR V,P25T,150-174MHz	8541303	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541304	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541305	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541306	EA-555002-001
Preselector,150-160MHz,MASTR V	CC52913-1-15	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC52913-1-6	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC52913-1-20	FP20401B-2-1

Preselector,150-160MHz,MASTR V	CC52913-1-7	FP20401B-2-1
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Rack,Open,86 in(Xtra Dp) with support	N/A	MASC-NMR1H
16 CH RX Multicupler (8x2)		
Cable,3560v2 Switch, DC Power	FDO1544Y280	COMKR00DRC
Station,MASTR V,P25T,150-174MHz	8541307	EA-555002-001
Station,MASTR V,P25T,150-174MHz	8541308	EA-555002-001
Preselector,150-160MHz,MASTR V	CC52913-1-20	FP20401B-2-1
Preselector,150-160MHz,MASTR V	CC52913-1-11	FP20401B-2-1
Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003

Power Amplifier,Linear,150-174MHz		EA-555014-102
Power Supply,-48V,DC,MASTR V		EA-555011-003
Rack, Open, 86 in, P25 TX Combiner		
TX Combiner # 1	CC62435-1-4C	YA2-04421-01R0
TX Combiner # 1	CC62435-1-4D	YA2-04421-01R0
TX Combiner # 2	CC62435-1-4E	YA2-04421-01R0
TX Combiner # 2	CC62435-1-4F	YA2-04421-01R0
TX Dual Stage Isolator (10 UNITS)	CC648322-2F	YA2-04670-01R0
P25 MULTICOUPLER	CC63829-1-5	YA2-04421-01R0
PRE AMP	CC81020-2-3C	YA2-05665-01R0
PRE AMP	CC81020-1-7D	YA2-05664-01R0
Rack,Open,86 in	N/A	SXMR1D
Multiplexer,Tx,12Ch,w/o IEA,+24DPS	160301298 IT503447	KRD103106/252
Dual Stage Isolator		
Convex Delay Timer		
Station,Conv MASTR III,150.8-174MHz,110W	987792991	EA101292V12
12 VOLT	15380116	DST-20
Rack,Open,86 in	N/A	SXMR1D
MULTICOUPLER AT	CC81442-1-11A	YA2-05666-01R0
Station,Conv MASTR III,150.8-174MHz,110W	987792993	EA101292V12
Station,Conv MASTR III,150.8-174MHz,110W	987792992	EA101292V12
MDR Radio (6.175 GHz) Microwave	als000192-201r1	
MDR Radio (6.175 GHz) Microwave	als000192-201r2	
Microwave Battery Charger		
PWR PLANT	DPS1250639	
MW Rectifier	2029011205589	
MW Rectifier	2029011205590	
Rack, 26", DC Supply and Distribution		
Rectifier Shelf		264371
Flat Pack DC Rectifier 48V	114671002288	
Flat Pack DC Rectifier 48V	114671002086	
Flat Pack DC Rectifier 48V	114671002123	
Flat Pack DC Rectifier 48V	114671002014	
Flat Pack DC Rectifier 48V	114671002094	
Flat Pack DC Rectifier 48V	114671002087	
Flat Pack DC Rectifier 48V	114571165398	
Flat Pack DC Rectifier 48V	114371118975	
Flat Pack DC Rectifier 48V	114571101682	

Flat Pack DC Rectifier 48V	114571166124	
Flat Pack DC Rectifier 48V	114571163673	
Flat Pack DC Rectifier 48V	114571101310	
Flat Pack DC Rectifier 48V	114571165191	
Flat Pack DC Rectifier 48V	150671028137	
Flat Pack DC Rectifier 48V	114571101580	
Flat Pack DC Rectifier 48V	114571101678	
Flat Pack DC Rectifier 48V	114571165294	
Flat Pack DC Rectifier 48V	150671027489	
Flat Pack DC Rectifier 48V	114571100801	
Flat Pack DC Rectifier 48V	114371139081	
Flat Pack DC Rectifier 48V	114571166054	
DC Distribution Shelf		
Converter, 48VDC to 12VDC	21237127	1502-48-13-30-M3
Converter, 48VDC to 12VDC	21237128	1502-48-13-30-M3

DEFOREST SITE 19

SERIAL NUMBER	OEM/HARRIS PART NUMBER
N/A	MASC-NMR1H
1000071454	CM21874-0003
8500	1200-H002-0601
10166	OC-016344-001
NS1607F1296	3HE05051ABAF01
FJC1936A0NU	CMMBL00ARB
8541516	EA-555002-001
8541515	EA-555002-001
8541512	EA-555002-001
8541513	EA-555002-001
CC79674-71-1	FP20401B-2-1
CC79674-72-1	FP20401B-2-1
CC79674-73-1	FP20401B-2-1
CC79674-74-1	FP20401B-2-1
8541514	EA-555002-001
8541509	EA-555002-001
8541508	EA-555002-001
8541510	EA-555002-001
CC79674-75-1	FP20401B-2-1
CC79674-6-1	FP20401B-2-1
CC79674-7-1	FP20401B-2-1
CC79674-8-1	FP20401B-2-1
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003

	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
N/A	MASC-NMR1H
160301273	KRD103106/252
FCW1928H11M	COUPAF8BAA
8541511	EA-555002-001
8541507	EA-555002-001
CC52913-1-13	FP20401B-2-1
CC52913-1-11	FP20401B-2-1
	EA-555014-102
	EA-555011-003
	EA-555014-102
	EA-555011-003
CC81020-2-2E	YA05665-01R0
CC81020-2-2G	YA05665-01R0
CC81020-2-2D	YA05665-01R0
CC81020-2-2F	YA05665-01R0
CC648322-2F	
160301273 IT503440	KRD103106/252
987799761	EA101292V12
N/A	SXMR1D
987799786	EA101292V12
987799787	EA101292V12
YA2-05666-01 R0	CC80775-2-1C
YA2-05666-01 R0	CC80775-2-?C
YA2-05666-01 R0	CCS1442-1-2A
153471024453	Compack 242100.400
153171050918	FS2 PS 4 273820
161343001294	FP216 PWRCR -48/600
142671009733	
142571007107	
154771067046	
153971039532	
154771065991	
153971040656	
153971040838	
161343001297	
153171050918	
15380114	405-4000-1 C

BRIGHAM AT SITE 20

SAP PART NUMBER	DESCRIPTION	SERIAL NUMBER
	Rack, 26", DC Supply and Distribution	
	Rectifier Shelf	264371
	DC Distrubution Shelf	263918
	Flat Pack DC Rectifier 48V	153171050921

	Flat Pack DC Rectifier 48V	153971040927
	Flat Pack DC Rectifier 48V	153971039473
	Flat Pack DC Rectifier 48V	153971040972
	Flat Pack DC Rectifier 48V	161343000110
	Flat Pack DC Rectifier 48V	161343000109
	Battery	1510180534
	Battery	1510180525
	Battery	1510180524
	Battery	1510180533
	Battery	1510180535
	Battery	1510180532
	Battery	1510180537
	Battery	1510180538
	Battery	1510180536
	Battery	1510180539
	Battery	1510180531
	Battery	1510180540
	Newmar DC Distribution	15380113
	48-12 Converter	161343001287
	16 Port Network I/O Controller	1340080-020 00004
SXMR1D	Rack,Open,86 in	N/A
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799760
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799761
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799762
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799763
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799764
SXMR1D	Rack,Open,86 in	N/A
KRD103106/252	Multiplexer,Tx,12Ch,w/o IEA,+24DPS	160301278 IT503445
	Dual Stage Isolator	
	Convex Delay Timer	
	flat pack Dc-DC 24	142671009819
	flat pack Dc-DC 24	142671009880
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799772
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799771
SXHMCX	Station,Conv MASTR III,150.8-174MHz,110W	987799770
	Transmit Combiner	
	TX Combiner # 1	
	TX Combiner # 1	
	TX Combiner # 2	
	TX Combiner # 2	
	Mutual Aid Transmit Combiner	
	TX Dual Stage Isolator	
	TX Filter Cavities	
	TX Filter Cavities	
	TX Filter Cavities	
	TX Filter Cavities	
	Mutual Aid Receive Combining Solution	
	RX Multicoupler	
	RX Multicoupler	

	RX Filter Cavities	
	RX Filter Cavities	
	RX Filter Cavities	

SPARES LIST
Rev 3. (9-14-2017)

The following is an updated Spares List of Spares purchased by County for radio equipment that will be used for County's radio system and will be shipped to and stored at Harris' Subcontractor's service center. **SPARE(s)**-means required additional equipment to be purchased by County for use to complete repairs of critical equipment.

Description	Qty
Spectracom Secure Sync GPS Master Oscillator 1200-433 GPS/Rb 48VDC	1
Spectracom Option Card adds 10MHz Outputs	1
Spectracom Option Card adds Simulcast Outputs	1
Spectracom Model 8230 GPS Antenna	2
INTRAPLEX T1 LINE REDUNDANT COMMON MODULE IX-CM-5RB	2
INTRAPLEX NTWK INT T1 100W CSU RJ48C IX-MA-215	2
Dry Contact Card	2
MUX Card	2
MODEL 2604, MCS-11 POLLING ENGINE	1
FAN/ALARM MODULE SAR-8 V2 -48/+24VDC	1
Verona Tower Lighting for Dual Red and White Strobe Controller, Model E2/3DB2, complete with Photocell	1
Rockdale, Roxbury site controller	1
Micro pack DC-DC	2
COMPAC Controller	1
Smart pack Panel	1
Smart pack Alarm	1
Smart pack Ethernet /Alarms	1
Smart pack Display/Control	1
Automatic Line Dehydrator	1
Preamp SD-15C-12-48 VDC POWER SUPPLY	1
Preamp 172 MHz 50W 36-72VDC IN 11-16VDC OUT TUNEABLE	1
Preamp 150 MHz POWER SUPPLY AC/DC 50W 15V 3.4A RS-50	1
Network Sentry	1
dial-access paging terminal	1
Intelligent Radio Interface Module	1
Viking - VM600 (7/800 MHz)	1
Audio/PTT Summing Matrix	1
Audio Summing Matrix	1
Audio Distribution Amp	1
VOICE OPTIMIZER NBL4	1
Exalt Extend Air 4.9 GHZ, POINT - POINT RADIO	1
4-Slot Chassis Assembly (Includes Fan Tray and DC Power Cord)	1
Power Supply, DC,	1
Unified Audio Card (UAC), 4-channel	1
Symphony replacement Hard Drive	2
Network Sentry replacement Hard Drive	2
Shipping and Handling (shipping will be billed at cost not to exceed \$1000)	1

Description	Qty
MASTR V 150-174 Receive Module	4
MASTR V 150-174 Transmit Module	4
MASTR V Baseband Processor Module	3
MASTR V Traffic Controller Module	3
MASTR V Ethernet Switch Module	4
MASTR V 14 Slot Shelf	2
MASTR V HPA/PS Shelf	3
MASTR V Power Supply	6
MASTR V Power Supply	2
MASTR V PA 150-174	4
MASTR III PA 150-174 110 WATTS	12
MASTR III POWER SUPPLY	2
MASTR III Complete paging base/w AC supply	1
MASTR III Full Chasis	2
Relay interface	1
Receiver	1
Receiver 11.2-11.7	1
8 Port Ethernet Card V.2	3
PA 5.725G- 6.425 +32	1
PA 6.425 7.125 +34	1
PA 5.850 6.425	1
PA	1
PA 5.725G- 6.425 +26	1
Transmit Module 11.2Ghz-11.7Ghz	1
PA 10.7-11.2Ghz	1
Transmit Module 10.7.2Ghz-11.2Ghz	1
Transmitter Module 5.725-6.425Ghz	2
PA 11.2-11.7Ghz +	1
Receiver 11.7-11.2Ghz	1
PS Assy	1
Ethernet Interface 32D	1
Controller	1
16 Port T1/E1 ASAP Card B2	2
Receiver 5.725-6.425Ghz	1
T1 Breakout	1
Console Speaker	2
Desk Mic	1
Mobile Mic	3
Control Station	3
Controller Card	2
Power Supply	4
Audio Card	11
Power Supply	2
Controller Term Card	5
T1 Interface	1
DB25 Audio Interface	6
Intraplex Chasis	2

Time Delay Card	1
Voter-Complete w/2 svm	1
Router	7
Router	1
Ethernet Switch Module	1
Ethernet Switch Module	5
Router	1
Router	1
Switch	2
Control Switch Module CSM	1
Control Switch Module CSM	1
8 PORT EITHERNET CARD	1
8 PORT SAR-8 7705	1
9500 MPR MICROWAVE	1
9500 MPT-HLC XCVR	1
FAN CARD	1
9500 MPT SHELF	1
Card Controller	1
EASV2	1
Headset Jack Symphony	5
Desk Mic	5
Foot Switch/USB	6
IPIO16	1
MASTR III POWER MOD	1
MASTR III TX Synth MOD	1
MASTR III RX SYNTH MOD	1
MASTR III IF MOD	1
MASTR III System	1
MASTR III RX FRONT END MOD	1
7705 FAN (Does not fit)	1
UD-35AN-8 (Upper 6)	1
MDR8000 PA +29 (Upper 6)	1
MDR8000 AN TX (Upper 6)	1
Duet	3
Symphony Console PC	2
Symphony Console PC	1
Symphony Console PC	1
SY250	4
SD218	2

ADDENDUM III

SPECIAL CONDITIONS

1.0 Maintenance Special Inclusions and Exclusions

These items are specifically excluded from coverage by this Maintenance Agreement.

- Batteries of any type
- Tower climbs

2.0 Specialized Site Access

On-site response times are based on the assumption that the site is accessible by normal transportation methods and vehicles. On-site response time requirements exclude site locations that require extensive drive time due to traffic conditions or site locations where specialized vehicles (snowcat, helicopter, etc.) are required. In addition, Customer is responsible to ensure that all necessary clearances, escorts, or other special requirements have been met in advance to allow technicians prompt access to any equipment requiring service that may be located in a secured or limited access area of the Customer's facilities.

3.0 Equipment Lists

All services provided under this Agreement are only applicable to the land mobile radio products and systems sold and provided by Seller to Customer and referenced in Addendum II to this Agreement.

Customer may add or delete equipment items to the list of maintained equipment by notifying the Seller in writing. As additional items are purchased from Seller they will be added to this Agreement. Any changes to this Agreement will be through an Amendment document completed by Seller and provided to Customer for review, approval and signature. The Amendment document will provide revised equipment lists, revised pricing structure changes and any necessary changes to fully incorporate the additional items into the Agreement.

ADDENDUM IV

SCOPE OF WORK

Maintenance Support Plan

Overview

This SOW describes Harris' maintenance support plan.

Harris' maintenance support plan includes the following for Dane County:

Emergency Response – Requests for service in the event of a failure or other anomaly will be handled expeditiously by service personnel from General Communications, located in Madison, Wisconsin. Harris will provide a 1 hour or less guaranteed phone response and 2-hour on site response to emergency requests, made by the County, as defined in Table A below. Emergency response will be provided to Dane County on a 24 by 7 by 365 basis. Harris also provides our Technical Assistance Center (TAC), which provides telephone and web-based support to Dane County and other support personnel. Emergency response will be provided by our local service partner, General Communications (GC), Harris Company owned service centers, as well as our local Corporate Headquarters in Lynchburg, Virginia.

Escalation Procedures

Harris' maintenance support plan approach will ensure we will meet or exceed the 1-hour phone response, 2-hour on-site response time by utilizing our local technicians when responding to a priority call in the following manner:

The escalation procedure commences as soon as Dane County calls the Harris help desk number or local authorized Harris technician(s). Local authorized Harris technicians will be on-call 24 hours a day to respond quickly to all service requests. If Dane County opts to call the Harris help desk, then all pertinent information will be redirected to the local technician(s).

The standard escalation procedure terminates as soon as a technician(s) is on the scene and begins the problem investigation and validation process. If the problem can be worked remotely (e.g., remote resetting / reconfiguring a device), then the clock will stop as soon as the technician(s) begins the problem investigation, validation and resolution process.

In the unlikely event of a Level 1 failure, backup restoration is available in a timely manner from our Lynchburg, Virginia Facility. The following step-by-step escalation procedure is employed by Harris should Dane County feel that escalation is warranted:

- Step 1 – Dane County personnel initiate a service request directly to Harris, through the local telephone numbers provided.
- Step 2 – Harris will respond to the service request, per Dane County's requirement. If the service request is during non-standard business hours, the primary on-call technician will be paged. If after 15 minutes the primary on-call technician does not respond, the secondary or backup technician will be paged.
- Step 3 – Within the appropriate timeframe of reporting the system problem, a Harris technician will be on-site to commence repair activities per Table A below.
- Step 4 – In the unlikely event that the service problem is not resolved within the appropriate restoration window, Dane County personnel should follow the Customized Escalation Process below in this SOW.
- Step 5 – If desired, within 24 hours of a service request failure, Dane County personnel may contact Harris' General Manager, located in Lynchburg, Virginia.

In the unlikely event of a Level 1 system failure, such as those caused by flood, severe lightning damage, etc., Harris can provide emergency replacement equipment to rapidly restore system operation. Emergency spare parts,

switching equipment, consoles, and entire sites are available through our headquarters and manufacturing facility in Lynchburg, Virginia.

Table A – Technician Response and Restoration Times.

Failure Level	Type of Equipment	Response Time	Restoration Time
Level 1	Complete Failure of Dispatching Capability (Consoles and/or Switches Inoperative)	1. Within 1 hour to respond to initial call 2. Within 2 hours to respond on site.	4 Hours or Less for any Level 1 Issue
	50% of Site Channels Inoperative	Same of above.	4 Hours or Less for any Level 1 Issue
	Critical Site Alarms* (Entry, Fire, Loss of AC Power, Generator Failure)	Same as above	N/A
Level 2	Intermittent or Partial Failure of Dispatching Capability (Consoles and/or Switches)	1. Same as Level 1	8 Hours or Less for any Level 2 Issue
	25% of Site Channels or Subsystem Inoperative	Same as above	Same as above
	Major Site Alarms (Channel Failures, Low Power Failure)	Same as above	Same as above
Level 3	Less than 25% of Site Channels or Subsystem Inoperative	1. Within 2 hours to respond to the initial call. 2. 4 hours on-site	24 Hours or Less for any Level 3 Issue
	Individual Dispatch Console Failure	Same as above	Same as above
	Dispatch Control Stations	Same as above	Same as above
	Optimization Issues	Same as above	Same as above
Level 4	Hardware/Software Upgrades	Upon Mutual Agreement by Dane County and Harris. This is Considered Scheduled/Planned Work.	N/A
	Intermittent Problems Being Reviewed/Monitored	Same as above	Same as above
	Preventative Maintenance	Same as above	Same as above

*Critical Site Alarms: For Entry alarms, NOC will notify Subcontractor, and Subcontractor will assess entry alarm and determine course of action depending on whether scheduled/planned activity was not reported or an intruder which will require Subcontractor/NOC to notify County to dispatch local police and provide information and/or assistance in the safest mode possible. For Fire alarms: NOC will notify Subcontractor, and Subcontractor will assess fire alarm and determine course of action depending on whether scheduled/planned activity was not reported, accidental, or actual fire which will require Subcontractor/NOC to notify County to dispatch local fire department and provide information and/or assistance in the safest mode possible. In either event, should escort services be needed in order for first responders to have access to the sites, Subcontractor shall assist as directed by first responders.

Spare Parts

Dane County has purchased spare equipment for critical system components see Addendum II, Equipment and Spares List. The spare equipment will ensure that repairs are performed as expeditiously as possible in accordance with Harris’ Emergency Response. As parts are used to repair equipment, all changes in inventory status will be

recorded such as, additions, removal and reinstallation, units in for repair and subsequently returned to spares inventory, units lost, stolen or beyond repair and scrapped.

Depot Maintenance

Harris' Depot Repair and Return Facility, located in Lynchburg, Virginia is staffed with certified Master Technicians and support personnel, and has historically provided the highest quality repairs, and turnaround times, for our Public Safety, and commercial customers for over four decades. Our facilities are ISO 9001: 2000, and Factory Mutual Certified. State-of-the-art test equipment and certified Master Technicians verify all repairs meet or exceed prescribed specifications. Our Repair and Return Facility utilizes a stockroom of common repair parts in order to reduce repair time. Depot repairs of Harris equipment are returned to the customer within ten (10) business days of receipt of Harris equipment at the Depot Repair and Return Facility. In some cases, third party vendor equipment may take weeks to repair due to third party repairs being sent off site.

Technical Assistance Center

The Harris Technical Assistance Center (TAC) will provide telephone support during normal business hours 8:00 a.m. to 5:00 p.m customer local time. Monday through Friday. TAC is accessible through our Toll-Free 800 Hot-line. When additional support is required, the Harris R&D, Operations and Field teams work directly with TAC to assist in problem resolution. Local Technicians from General Communications are also on-call 24 hours a day.

Preventive Maintenance

Harris' proactive approach to the maintenance of Dane County's system will be preventive in nature. Preventive maintenance for the system equipment is included in this SOW. Preventive maintenance includes operational tests and alignments of the implemented Dane County equipment to ensure the system elements meet or exceed original manufacturer's specifications and system design. At a minimum, all replacement parts will be original parts or equal in quality and ratings to the original parts utilized during system deployment.

Software FX Program

Harris' Software FX program provides periodic updates for Harris licensed software. Software updates are packaged to match the system configuration and include Software Updates to Harris Designated System and SUMS (Security Update Management Service) Update feature enhancements, security enhancements, new features and the ability to enable licensed features that may be optionally available in a given software release. All backup diskettes, tapes or CD-ROMs and revised software manuals are provided at the time of any software revisions, and are available in manual form or on-line through our technical assistance web page. Harris will make every effort to separate corrective revisions from enhancements; however, if new releases are necessary to provide corrections, then the entire release (including enhancements) shall be provided to Dane County at no additional cost.

Installation of Software FX Software Updates are included as part of this SOW in Section 2.10. To avoid any inconvenience to Dane County, Harris will perform Software Updates to Harris Designated System during evenings or weekends at no additional expense and will keep Dane County informed in advance of updates to be uploaded onto the system. SUMS Software Updates will be performed during Working Hours unless otherwise mutually agreed to by the parties.

Network Operation Center (NOC) Basic Services

Harris will monitor the County's communications system through NOC which is staffed by trained and fully qualified Harris personnel. Harris NOC facility provides a full complement of management and support services and will provide the following basic services for the County's operation:

- 24x7x365 real time system alarm monitoring
- Diagnostic and troubleshooting of alarm conditions commensurate with the County's system capabilities and configuration
- County's and/or on call technician notification of alarm conditions

- Tracking of alarm remediation actions until the alarm condition is corrected and cleared
- Monthly reports summarizing alarms reported, corrective action taken, technician dispatch history and time to repair

Harris and County have developed NOC operational protocols and procedures to assure effective and efficient communications between the parties. The NOC Monitored Devices and Escalation Process will be mutually agreed to and followed. NOC Basic Services SOW, Monitored Devices, and Escalation Process will be provided in the mutually agreed upon procedure and alarm monitoring spreadsheet. Any additional NOC services (i.e. Centerity Premium NOC) other than the NOC Basic Services referenced in this SOW will be captured in a new SOW and will be priced accordingly.

Harris will provide the necessary hardware, installation materials and installation labor to allow for secure VPN connectivity to its Orlando, Florida NOC facility. The County would be responsible for the necessary Internet access fees to support this connectivity (minimum speed is 768kb and can be cable or DSL).

Monitored Devices (Provided by Harris and Purchased by Dane County, as identified below and listed on the Equipment List and applicable).

MASTR V Channels	Network Sentries	GPS Receivers
Voters	Receive Multicouplers	Routers
Switches	RF Power Monitors	Symphony Consoles
MaestroIP Gateways	UAC Channels	VNIC
Cisco Firewalls	All Virtual Machine Servers	Doors
HVACs	High/Low Temps	Generators
Fuel	Power	Universal Power Supplies
Tower Lightings	MPR 9500 Radios	DC Power Systems
Dehydrators		

Customized Escalation Process

Escalation 1: When County experiences **ANY CRITICAL OR MAJOR** backbone systems issue call out escalation is as follows: Subcontractor is contacted per mutually agreed upon NOC alarm sheet.

Escalation 2: At Escalation 2, the call is escalated to: Harris Mgmt.*, Harris North Central Service Center Technician Supervisor Sally Huyghebart: (517)-740-1102– (cell). Subcontractor will call the listed number. If after 30 minutes there has been no answer or no response to your voice mail-Contact Escalation 3.

Escalation 3: At Escalation 3, the call is escalated to: Harris Regional Service Manager- North Central- Rodney Philgren: (331)-234-0696– (cell). Subcontractor will call the listed number. If after 30 minutes there has been no answer or no response to your voice mail-Contact Escalation 4.

Escalation 4: At Escalation 4, the call is escalated to: Harris Field Service Manager- David Gerhard: (434)-455-9286– (office) (434)-258-2396– (cell). Subcontractor will call the listed number. If after 30 minutes there has been no answer or no response to your voice mail-Contact Escalation 5.

Escalation 5: At Escalation 5, the call is escalated to: Harris PSPC Technical Assistance Center: (800)-368-3277 Option 3– PSPC TAC@harris.com After normal business hours, you will leave a message with an answering service that will contact the on-call TAC Engineer. *Should Harris Escalation personnel change, the contact information will be updated accordingly.

EXHIBIT 7D
SOFTWARE FX AGREEMENT

THIS SOFTWARE FX AGREEMENT ("Agreement") is hereby entered into between Harris Corporation, a Delaware Corporation, through its Communication Systems Segment ("Harris" or "Seller") and County of Dane, Wisconsin ("Subscriber") on the following terms and conditions:

1. SCOPE OF AGREEMENT

During the term of this Agreement, as set forth in Section 11, Harris agrees to provide Subscriber with the following:

- A. Harris Software Update benefits including software updates, documentation updates and other services, as set forth in Section 3 of this Agreement, for the software developed and provided by Harris and contained within the Subscriber's Designated Harris System(s) as described in this Agreement; and
- B. Harris Security Update Management Service including patch management services for the updating of security related patches, as set forth in Section 4 of this Agreement, to the Subscriber's Designated Harris System(s) as described in this Agreement.

2. DEFINITIONS

As used in this Agreement, the following terms shall have the meanings set forth below.

- A. "Contract" means the Agreement for the purchase of the Designated System(s).
- B. "Current Software Release Levels" means the most recent Software release announced by Harris as being commercially available. "Commercially available" does not include interim releases provided as emergency fixes or software released for beta test or noncommercial or similar purposes.
- C. "Designated System(s)" means the Harris system(s) purchased by Subscriber and identified in Exhibit A to this Agreement. The Designated System does not include Third Party Software Products. Excluded Products or other systems to which the Designated System may be linked.
- D. "Enterprise Configuration" means a radio system level configuration that is capable of supporting Large county, multi-county, regional or state-wide installations.
- E. "Excluded Products" means third Party Products contained in the customer's system that were not sold by Harris to Subscriber.
- F. "Harris Licensed Programs" means all Harris Software programs and associated documentation nonexclusively licensed to Subscriber by Harris for use solely with Subscriber's Designated System.
- G. "Harris Software Updates" means any commercially available corrections, modifications or enhancements to the Licensed Programs generally released and/or provided by Harris.
- H. "Harris Network Solutions Provider" (NSP) means an entity authorized by Harris to sell certain Harris products and systems as an authorized NSP in accordance with the provisions of a NSP Agreement between Harris and such person or entity.
- I. "IAVA" Information Assurance Vulnerability Alert. An IAVA is an announcement of a computer application software or operating system vulnerability notification in the form of alerts, bulletins, and technical advisories identified by DoD-CERT, a division of the United States Cyber Command.

- J. "Optional Feature" means those Harris Software features, not currently contained in the Subscriber's Designated System, available for Current Software Release Levels that are available to Subscriber at an additional cost.
- K. "Product Vulnerability Alerts" (PVAs) means security vulnerabilities reported against a product supplied by the Seller. Notifications of these PVAs are obtained from multiple sources; governmental, vendor, independent and open source databases.
- L. "PVA Evaluation" means the Seller's process for evaluation of a potential Product Vulnerability Alert affecting products provided by the Seller.
- M. "RCE" means Harris's Regional Centers of Excellence. RCEs are Harris master distributors of all Harris land mobile radio products and services.
- N. "STIG" means Security Technical Implementation Guide. A STIG is a methodology for standardized secure installation and maintenance of computer software and hardware
- O. "Security Updates" means software updates that mitigate, address and/or resolve product security vulnerabilities in system components offered by the Seller. These updates may include Vendor Patches and/or Vendor Work-Arounds.
- P. "Security Update Distribution" means the Seller providing Security Updates to which the Subscriber is entitled under the terms of this Agreement, affecting components of the Subscriber's Designated System as defined in Exhibit A.
- Q. "Software Updates" means all Harris provided software updates to either Harris designated SW system components or SUMS Software updates.
- R. "SUMS" means Harris's Security Update Management Service. Harris's automated patch management system that provides periodic, security-related software updates.
- S. "SUMS Software Updates" means periodic, security-related software, including but not limited to, operating system updates, antivirus signatures, and other security related Windows-based 3rd party updates (Adobe, Java, Flash).
- T. "Tech-Link" is the technical information section of Harris's web site. Access is restricted to authorized subscribers via user ID and password login.
- U. "Third Party Software Products" means software owned by a party other than Harris Corporation.
- V. "Vendor Patches" means software updates provided by third-party software vendors that mitigate, address and/or resolve PVA(s).
- W. "Vendor Work-Arounds" means configuration and/or procedural changes provided by third-party software vendors that mitigate, address and/or resolve PVA(s).

3. HARRIS SOFTWARE UPDATES

- A. Harris Software Releases Included. With respect to each Licensed Program, and subject to the conditions of this Agreement, Harris will provide the Software Updates described below during the term of this Agreement. All Updates shall be shipped to Subscriber's Software FX contact designated in Exhibit A of

this Agreement via protective packaging containing a quantity of programmed Software media (e.g., Proms, Tapes, Compact Discs or DVDs) necessary for Subscriber to fully implement the Software Updates within its Designated System. In addition, each shipment of Software Updates shall contain at least one set of Software release notes detailing the contents of the Software Update and providing installation instructions.

- i. Software Updates Upon Enrollment. As determined by the system audit described in Section 6.A.i. of this Agreement, Harris shall provide to Subscriber the Software Updates needed, if any, to bring the Licensed Programs within Subscriber's Designated System up to Harris's Current Software Release Levels. Such Updates will be provided at no additional cost to Subscriber provided Subscriber has enrolled in the Software FX program within the enrollment deadline specified in Section 9.A of this Agreement.
 - ii. Subsequent Software Updates. During the term of this Agreement and subject to Subscriber's performance of its obligations, Harris shall provide to Subscriber Software Updates, released by Harris subsequent to Subscriber's enrollment in Software FX, for the Licensed Programs contained within Subscriber's Designated System. Such subsequent Software Updates may include:
 - a. Enhancements and/or corrections to existing features for all Designated System backbone components and/or radios;
 - b. New features or improvements to existing features implemented via the system components already contained within Subscriber's Designated System.
- B. System Level Release Documentation: Prior to the general release of a major system release by Harris for Harris Licensed Programs, Harris shall make available a system level release document announcing the impending release, and detailing its contents and impact, if any, on any other Harris hardware or Software components. Subscriber acknowledges that older hardware may not have sufficient capacity for the operation of the Software Updates. NOTHING IN THIS AGREEMENT OR OTHERWISE REQUIRES HARRIS EITHER TO DESIGN UPDATES THAT REMAIN COMPATIBLE WITH DESIGNATED SYSTEM HARDWARE OR TO PROVIDE ADDITIONAL HARDWARE UNDER THIS AGREEMENT, AND SUBSCRIBER WAIVES ANY SUCH DUTY OR OBLIGATION BY HARRIS.

4. HARRIS SECURITY UPDATE MANAGEMENT SERVICE

- A. Security Update Distributions Inclusions. Subject to the conditions of this Agreement, Seller will provide periodic Security Updates described below during the term of this Agreement. All Security Updates shall be provided to Subscriber's contact designated in Exhibit A. Security Updates shall contain software necessary for the Subscriber to fully implement the Security Update within the Designated System and at least one set of Software release notes detailing the contents of the Security Updates and providing installation instructions.
- i. Security Updates Upon Enrollment. As determined by the system audit described in Section 6.A.i. of this Agreement, Seller shall provide to Subscriber the Security Updates needed, if any, to bring the Licensed Programs within Subscriber's Designated System up to Seller's current security software release levels. Such updates will be provided at no additional cost to Subscriber provided Subscriber has enrolled in the Software FX program within the enrollment deadlines specified in this Agreement.
 - ii. Subsequent Security Updates. During the term of this Agreement and subject to Subscriber's performance of its obligations, Seller shall provide to Subscriber Security Updates that may include:

- a. Vendor Patches and/or Vendor Work-Arounds, enhancements, corrections and/or changes, made by third-party software vendors to software included in Seller provided products subject to the Subscriber's right to receive the third-party software. The Subscriber may be required to have currently executed services/support Agreement(s) with third-party vendor(s) separate from this Agreement.

B. SUMS Product Features Summary.

- a. The Seller will use reasonable efforts to monitor pertinent governmental, vendor, independent and open source databases for PVAs, IAVAs, STIGs and for any subsequent resolutions that affect products provided by the Seller that are part of the Subscriber's Designated System.
- b. The Seller will make every reasonable effort to verify that the PVA, IAVA, and STIG resolutions, Vendor Patches and/or Vendor Work-Arounds, do not adversely affect the Seller's stated performance of the Subscriber's Designated System.
- c. The Seller will provide Security Update Distributions to the Subscriber at periodic intervals targeting bi-monthly releases. The interval shall be determined solely by the Seller. More frequent Security Update Distributions may be required to address urgent product security vulnerabilities. Security Update Distributions on other than a bi-monthly basis do not constitute a contractual default by the Seller.
- d. The Seller will provide Security Update Distributions in a means suitable for use on the target devices of the Subscriber's Designated System. Optional On-Site Support Services may be contracted by the Subscriber, outside of this Agreement, through the Seller or the Seller's RCE or Network Solutions Provider or designated local service provider as set forth in Section 6.A.iv.
- e. Prior to the general release by Seller of any Security Updates, Seller shall make available a SUMS Product release document announcing the impending release, and detailing its contents and impact, if any, on any other Seller hardware or Software components. Subscriber acknowledges that older hardware may not have sufficient capacity for the operation of the Software Updates. NOTHING IN THIS AGREEMENT OR OTHERWISE REQUIRES SELLER EITHER TO DESIGN UPDATES THAT REMAIN COMPATIBLE WITH DESIGNATED SYSTEM HARDWARE OR TO PROVIDE ADDITIONAL HARDWARE UNDER THIS AGREEMENT, AND SUBSCRIBER WAIVES ANY SUCH DUTY OR OBLIGATION BY SELLER.
- f. The Seller will provide with each Security Update Distribution a Security Release Notes document. This document will detail the PVA resolutions and/or mitigation addressed by this release, installation and installation recovery procedures and software and hardware compatibility information where applicable.
- g. Automated Security Update Distribution Services. The Seller will provide a means of automating the distribution of Security Updates to the target devices within the Subscriber's Designated System. Subscriber shall be responsible for providing the necessary hardware and licenses to run the automated distribution of Security Updates. This hardware shall be part of Subscriber's Designated Harris System or purchased at Subscriber's expense from Seller prior to the initialization of this Software FX Agreement. As set forth in Section 9.C. of this Agreement, it shall be the Subscriber's responsibility to complete the security update process on the target devices (e.g. rebooting the target devices) following the Patch Application instructions in the Release Notes accompanying each Security Update Distribution. Optional On-Site Support Services may be

contracted by the Subscriber, outside of this Agreement, through the Seller or the Seller's RCE or Network Solutions Provider or designated local service provider as set forth in Section 6.A.iv.

- h. **Assessment Reporting.** For those PVAs monitored by the Seller as stated in Section 4.B.a., the Seller will provide responses assessing the effects of the monitored PVAs on the LMR system and stating Seller's recommendations for required actions. Access to the PVA assessments will be granted through Tech-Link, a restricted web site maintained by the Seller. The Seller does not guarantee assessment response time, but will make reasonable efforts to provide timely assessment responses.

5. SOFTWARE RELEASES NOT INCLUDED

- A. **Software Releases Not Included.** The following Software releases are not included within the terms of this Agreement:
 - i. **New Products.** Any Software products released by Harris for which an earlier generation or release level is not already contained within Subscriber's Designated System. If Subscriber wishes to implement such Software products within its Designated System, it will need to license such products at the fees then in effect and purchase any necessary compatible hardware for operation of such Software.
 - ii. **Third Party Software.** To the extent that such Third Party Software Products are available and compatible with the Designated System, Harris reserves the right to charge an additional fee for upgrades to software programs that are licensed by a third party for use with the Harris system yet are not the property of Harris. The Subscriber may be required to have currently executed services/support Agreement(s) with third-party vendor(s) separate from this Agreement. Subscriber must provide evidence of a current services/support Agreement at the seller's request.

6. SOFTWARE SERVICES INCLUDED

- A. **Services Included.** Subject to the terms and conditions of this Agreement and Subscriber's compliance therewith, Harris will provide to Subscriber the services described below.
 - i. **System Configuration Baseline and Documentation Update.** As part of the initial enrollment process for Software FX, Harris may deem it necessary to conduct a system audit of Subscriber's Designated System(s) to be covered under this Agreement. If said audit is required, Harris, or its RCE or Harris Network Solutions Provider will conduct the audit. This audit will be used to verify Subscriber's first-year Software FX Fee and to determine the Software release levels for Licensed Programs contained within Subscriber's System at the time of enrollment, together with any hardware updates necessary to accommodate Software Updates.
 - ii. **Installation Phone Support.** Subscriber's Software FX subscription shall include telephone support by Harris's Technical Assistance Center (TAC) personnel with respect to the installation of Software Updates. Such support will be available during Harris' normal business hours (8:00 a.m. to 5:00 p.m. Eastern Standard Time Monday through Friday, excluding holidays) and for a period of ninety (90) days from the date the Software Update is released to Subscriber. After-hours emergency support will be available through Harris optional System Maintenance services at prices then in effect, provided that Subscriber is in compliance with the terms of this Agreement.
 - iii. **Upgrade Planning.** If Subscriber is in compliance with the terms of this Agreement and its Designated System is classified as an Enterprise Configuration, Harris, or its RCE or Network Solutions Provider, shall provide an annual consultation service to review Harris' planned Software releases and evaluate

the operational and financial impact such releases may have on Subscriber's Designated System. If Subscriber is in compliance with the terms of this Agreement and its Designated System is classified below an Enterprise Configuration, upgrade planning is not included within the terms of this Agreement but can be obtained from Harris at the rates then in effect for such service.

- iv. On-Site Services. Initial Installation Services are optionally available, outside of this Agreement, through the Seller, the Seller's RCE or Network Solutions Provider, or a designated local service provider provided that Subscriber is in compliance with the terms of this Agreement.
- v. Tech-Link. Tech-Link is the restricted access, technical information section of Seller's web site. Seller will provide FX subscribers access, via user ID and password authorization, to FX and SUMS release documentation and downloadable distribution media. Seller will also provide additional authorization to allow subscribers to view PVA, IAVA, and STIG assessment recommendations described in Section 4.B.a.

7. SOFTWARE SERVICES NOT INCLUDED

Services Not Included. The following services/products are not included within the terms of this Agreement:

- i. Hardware Upgrades. In the occasional event that a Software Update released requires a corresponding hardware change, Subscriber will need to purchase separately the compatible hardware required. Harris will endeavor to notify Subscriber in advance via the system level release documentation or, if applicable, via Software FX's upgrade planning service of any hardware changes needed in order to implement a Software Update. No such notice will be given for Third Party Software Updates or Excluded Products, and no hardware upgrade may be available.
- ii. Software Update Installation. Installation of Software Updates for terminal products, Software Updates for infrastructure, and Security Updates by Seller are not included, but such installations may be obtained from Seller, or its RCE or Network Solutions Provider, at the rates then in effect for such service, provided that Subscriber is in compliance with the terms of this Agreement.
- iii. Optional Support Services. Other Software support services Subscriber may require, including, but not limited to, training, customized software programming or troubleshooting through Seller's Technical Assistance Center are outside the scope of this Agreement but may be obtainable through other programs offered by Seller.

8. SOFTWARE DISTRIBUTION AND INSTALLATION

All Software Updates shall be provided to Subscriber's contact designated in Exhibit A. In addition, each shipment of Software Updates shall contain at least one set of Software release notes detailing the contents of the Software Update and providing installation instructions

In the event any Software media contained within Subscriber's Designated System incurs damage, whether from acts of Nature or human error, Harris shall provide replacements for such Software to Subscriber at no additional charge, subject to the terms and conditions of this Agreement.

9. CONDITIONS FOR SERVICE

- A. Enrollment Deadline. Subscriber agrees to enroll in Software FX no later than sixty (60) days after the earlier of: (i) the first expiration date of the warranty provided by Harris for any component of Subscriber's Designated System, or (ii) the first expiration date of the warranty provided by Harris for any of the

Software within Subscriber's Designated System. If either such warranty already has expired when Subscriber is first offered the Software FX Program, Subscriber will be given a 60-day grace period in which to enroll in Software FX. A Subscriber meeting the enrollment deadline will receive, at no additional charge as described in Sections 3.A.i. and 4.A.i of this Agreement; the Software Updates needed to bring its Designated System up to Harris's Current Software Release Levels to the extent the Designated System hardware is compatible with such Software Updates.

- B. Subscriber Contact. Seller requests that Subscriber identify its Subscriber Contact in Exhibit A. Subscriber shall designate a person with sufficient technical expertise to be able to interact knowledgeably with Seller's technical support personnel. To the maximum extent practicable, Subscriber's communications with Seller (with regard to the Software Updates provided under this Agreement) should be through the Subscriber Contact.
- C. Installation. Subscriber agrees to properly install the Software Updates provided by Seller in order of receipt from Seller. Subscriber understands that Software support provided by Seller is limited to Seller's Current and current minus 1 Software Release Levels of Licensed Programs for the Designated System.
- D. Media Labeling. Subscriber agrees that if it makes copies of any Software Update supplied by Harris, for backup purposes, Subscriber will reproduce any copyright notice and/or proprietary notice appearing on and/or in such Update and will label all copies with all information, including part numbers and revision levels, provided on the set of media provided by Harris. Nothing herein grants Subscriber any right to sublicense any Software or to distribute copies to any other person, and such sublicensing and distribution is expressly prohibited.
- E. No Modification of Software. Subscriber agrees not to modify, enhance or otherwise alter any Software unless specifically authorized in the user documentation provided by Harris with such Software Update or unless the prior written consent of Harris is obtained. Under no circumstance shall Subscriber create or permit the creation of any derivative work from any Software or the reverse engineering or replication of any Software.
- F. Harris's obligations under this Agreement are conditional upon Subscriber's compliance with the terms of this Agreement and any Contract then in effect between Harris and Subscriber.
- G. Harris may request from third party vendors on Subscriber's behalf any applicable vendor patches related to the System. Subject to the requirements of the Contract, Subscriber grants authority to Harris all approval rights relating to the selection of Vendor Patches.

10. FEES, TERMS OF PAYMENT & TAXES

- A. SOFTWARE FX Fee. Subscriber agrees to pay Harris or its RCE an annual Software FX Fee, in the amount set forth in Exhibit A to this Agreement, plus taxes pursuant to Subsection E below, for Software FX services provided during the term as defined in Exhibit A. Subsequent years' Software FX Fees, beyond Subscriber's first-year fee specified in Exhibit A, may or may not remain at the same rates. Any significant changes made to Subscriber's Designated System(s) configuration will be reflected in the following year's Software FX Fee. If Harris's rates for Software FX should increase, Subscriber will be notified in writing of any such increases at least one hundred twenty (120) days prior to the end of Subscriber's yearly Software FX period then in effect.
- B. Other Charges. Subscriber understands that if it chooses to delay its enrollment in Software FX beyond the deadline described in Section 9.A. of this Agreement, Subscriber will need to license, at the applicable fees

then in effect, the initial Software Updates needed to bring its System up to Harris's Current Software Release Levels, as well as any hardware which may be required to accommodate such Updates.

- C. Due Date. Subscriber's first-year Software FX Fee will be invoiced upon receipt of this Agreement signed by Subscriber. Payment will be due thirty (30) days from the date of the invoice. Subscriber's subsequent years' Software FX Fees will be automatically invoiced sixty (60) days prior to the commencement of the subsequent year's term. Payment of all amounts due is a condition precedent to Harris providing any future Software Updates or other services.
- D. Taxes. In addition to all fees specified herein, Subscriber shall pay the gross amount of any present or future sales, use, excise, value-added, or other similar tax applicable to the price, sale or delivery of any products or services furnished hereunder or to their use by Subscriber, unless Subscriber shall otherwise furnish Harris with a tax-exemption certificate acceptable to the applicable taxing authorities.
- E. Discontinuance. Subscriber understands that if Subscriber discontinues and then subsequently resumes participation in the Software FX Program, Subscriber will be required to pay a re-entry fee for any benefits provided to Subscriber upon re-entry to the Software FX Program plus the Software FX Fee for the term then commencing.

11. TERM & TERMINATION

- A. Software FX services will be provided by Harris to Subscriber for an initial one-year term, as defined in Exhibit A to this Agreement, and thereafter on a year-to-year basis as provided herein, subject to prior payment in full of all outstanding fees and charges at the time of renewal and compliance with the provisions of this Agreement.
- B. Provided Subscriber is then in full compliance with all of its obligations, Subscriber's Software FX enrollment shall be automatically renewed on a succeeding yearly basis thereafter unless either party notifies the other in writing, at least ninety (90) days prior to the end of the yearly period then in effect, that this Agreement will not be renewed.
- C. Harris shall have the right to suspend or terminate this Agreement upon thirty (30) days' prior written notice if Subscriber fails to pay any fees or charges due hereunder or if Subscriber commits any other breach of this Agreement or commits any breach of any applicable Software license Agreement for any Licensed Program being supported under this Agreement, any contract between Subscriber and Harris or any other obligation of Subscriber to Harris or any of its affiliates.
- D. Harris shall have the right to discontinue providing Software FX services (including Updates) for any Licensed Program supported under this Agreement. Software Updates may be discontinued at any time at Harris's discretion. Other services shall not be discontinued without at least ninety (90) days' prior written notice by Harris to Subscriber. Notwithstanding any other provision of this Agreement, as Subscriber's sole and exclusive remedy Harris will provide a pro-rata refund of Subscriber's annual Software FX Fee if Harris elects to discontinue providing Software FX services for any Licensed Program supported under this Agreement.
- E. Except as provided in Section 11.D. above, under no circumstances (including any termination of this Agreement) shall any fees paid pursuant to this Agreement be refundable once paid by Subscriber.

12. LIMITATION OF LIABILITY

EXCEPT FOR PERSONAL INJURY OR DEATH, HARRIS' TOTAL LIABILITY ARISING FROM THIS AGREEMENT WILL BE LIMITED TO THE AGGREGATE AMOUNT OF SOFTWARE FX FEES PAID TO HARRIS UNDER THIS AGREEMENT.

13. GOVERNING LAW AND DISPUTE RESOLUTION

This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Virginia, excluding its rules pertaining to conflict of laws. Subscriber consents to the personal jurisdiction of the state and federal courts in the Commonwealth of Virginia. By entering into this Agreement, Harris and Subscriber hereby expressly waive any rights either party may have to a trial by jury of any civil litigation related to, or arising out of this Agreement.

14. NOTICES

All notices required or permitted hereunder shall be in writing and shall be deemed validly given upon being hand delivered, or upon receipt if sent by facsimile, e-mail or if mailed by certified mail, return receipt requested, to Subscriber at the address set forth in Exhibit A or to Harris Corporation at 221 Jefferson Ridge Parkway, Lynchburg, VA. 24501, Attention: Software Services Group, or to such other address as either party may designate to the other in writing.

15. ENTIRE AGREEMENT, EXECUTION AND MODIFICATION

- A. This Agreement contains the entire and only Agreement between the parties concerning the subject matter hereof, and all prior representations and understandings in connection with the subject matter hereof are superseded and merged herein, and any representation or understanding not incorporated herein shall not be binding upon either party.
- B. This Agreement shall not become effective until signed on behalf of Harris by one of its officers or by an executive duly authorized by Harris's Vice President. No change, modification, ratification, rescission, or waiver of this Agreement or any of the provisions hereof shall be binding upon Harris unless made in writing and signed on its behalf in like manner.
- C. HARRIS DOES NOT ASSUME ANY OBLIGATIONS OR LIABILITIES IN CONNECTION WITH THE SOFTWARE OR SERVICES OTHER THAN THOSE EXPRESSLY STATED IN THIS AGREEMENT, AND DOES NOT AUTHORIZE ANY PERSON (INCLUDING HARRIS'S RCES OR SUBCONTRACTORS OR SUPPLIERS) TO ASSUME FOR HARRIS ANY OTHER OBLIGATIONS OR LIABILITIES.

Intending to be bound hereby, the Parties hereto have caused this Software FX Agreement to be executed, as of the latest date below, by the Parties' duly authorized representatives.

HARRIS CORPORATION
Communication Systems

THE COUNTY OF DANE, WISCONSIN

By: *Andrew Wilson*
 Name: *Andrew Wilson*
 Title: *Contracts Manager*
 Date: *2/15/18*

By: _____
 Name: _____
 Title: _____
 Date: _____

Designated System

1. *Term of Software FX Agreement.*

The services, as described in the Software FX Agreement to which this Designated System document is attached, will begin following system acceptance and continue for seven (7) years thereafter and shall be automatically renewed for one-year periods thereafter pursuant to Section 11.8 of the Agreement.

2. *Designated System Fees.*

The Designated System(s) for which the Software FX Agreement will apply is (are):

Year following final acceptance	System Name	System Classification	FX/SUMS Fee
Year 1 6/22/2017 -6/21/2018	Dane County	P25	\$95,833
Year 2 6/22/2018 -6/21/2019	Dane County	P25	\$95,833
Year 3 6/22/2019 -6/21/2020	Dane County	P25	\$95,833
Year 4 6/22/2020 -6/21/2021	Dane County	P25	\$95,833
Year 5 6/22/2021 -6/21/2022	Dane County	P25	\$95,833
Year 6 6/22/2022- 6/21/2023	Dane County	P25	No Charge
Year 7 6/22/2023- 6/21/2024	Dane County	P25	\$95,833
Year 8 6/22/2024- 6/21/2025	Dane County	P25	\$95,833
Year 9 6/22/2025- 6/21/2026	Dane County	P25	\$95,833
Year 10 6/22/2026- 6/21/2027	Dane County	P25	\$95,833
Year 11 6/22/2027 - 12/31/2027	Dane County	P25	\$48,000

Subscriber's subsequent years' Software FX Fees will be determined in accordance with Section 10.A. of the Agreement.

3. All Notices and Software Updates under this Software FX Agreement are to be provided by Harris to Subscriber under this Agreement are to be sent to:

Contact's Name: Rich Westgard
 Company Name: General Communications, Inc.
 Title: Service Manager
 Address: 2880 Commerce Park Drive
 Madison, WI. 53719
 Telephone: Office 608-310-7127 Cell: 608-445-3530