AMENDMENT NO. 2 TO THE AGREEMENT BETWEEN THE COUNTY OF SAN MATEO AND AVIAT U.S., INC.

THIS AMENDMEN	T TO THE AGREEMENT, entered into this	day of
20, by and between the C	COUNTY OF SAN MATEO, hereinafter called "C	ounty," and
AVIAT U.S., INC., hereinaf	ter called "Contractor";	

WITNESSETH:

WHEREAS, pursuant to Government Code, Section 31000, County may contract with independent contractors for the furnishing of such services to or for County or any Department thereof;

WHEREAS, on September 13, 2022, the parties entered into an agreement to provide services to engineer and implement the Microwave System Upgrade Project for the term of September 13, 2022, through September 12, 2025, in an amount not to exceed \$6,451,432; and

WHEREAS, on May 25, 2023, the parties executed the first Amendment to update the milestones and corresponding payment scheduled outlined in the agreement; and

WHEREAS, both parties wish to further amend the agreement to include the following required additional services: to replace the microwave dehydrators, include additional waveguide equipment and services, add the Skylawn Radio Communications Site to the San Mateo Police Department (SMPD) microwave link, supply and install spur site replacement batteries and rectifiers at various radio sites, and to increase the agreement amount by \$753,584.51 for a total not to exceed amount of \$7,205,016.51.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES HERETO AS FOLLOWS:

1. Section 3, Payments of the agreement is amended to read as follows:

In consideration of the services provided by Contractor in accordance with all terms, conditions, and specifications set forth in this Agreement and in Revised Exhibit A (Rev. 09/12/23), County shall make payment to Contractor based on the rates and in the manner specified in Revised Exhibit B (Rev. 09/12/23). County reserves the right to withhold payment if County determines that the quantity or quality of the work performed is unacceptable and written notification has been communicated to Contractor. In no event shall County's total fiscal obligation under this Agreement exceed SEVEN MILLION TWO HUNDRED FIVE THOUSAND SIXTEEN DOLLARS AND FIFTY-ONE CENTS (\$7,205,016.51). In the event that the County makes any advance payments, Contractor agrees to refund any amounts in excess of the amount owed by the County at the time of contract termination or expiration. Contractor is not entitled to payment for work not performed as required by this agreement.

- 2. Original Exhibit A is hereby replaced in its entirety with Revised Exhibit A (Rev. 09/12/23) a copy of which is attached hereto and incorporated into the agreement by this reference.
- 3. Revised Exhibit B (Rev. 04/28/23) is hereby replaced in its entirety with Revised Exhibit B (Rev. 09/12/23) a copy of which is attached hereto and incorporated into the agreement by this reference.
- 4. Original Exhibit D is hereby replaced in its entirety with Revised Exhibit D (Rev. 09/12/23) a copy of which is attached hereto and incorporated into the agreement by this reference.
- 5. All other terms and conditions of the agreement between the County and Contractor dated September 13, 2022, as previously amended, shall remain in full force and effect.

In witness of and in agreement with this Agreement's terms, the parties, by their duly authorized representatives, affix their respective signatures:

FOR CONTRACTOR: AVIAT U.S., INC.	
Contractor Signature 9 /29 /2023 Date	David Gray, Sr. VP and CFO Contractor Name (please print)
COUNTY OF SAN MATEO	
By: Resolution No. President, Board of Supervisors, San Mateo County	
Date:	
ATTEST:	

By:

Clerk of Said Board

Revised Exhibit A (Rev. 09/12/23)

SERVICES

In consideration of the payments set forth in Revised Exhibit B (Rev. 09/12/23), Contractor shall provide the following services for the County of San Mateo:

Description of Services to be provided by Contractor

1. Engagement Overview

1.1 Project Purpose

Contractor shall be retained for the purpose of providing services required to plan, delivery of microwave and associated products from Contractor and its partners, as well as the professional services required to engineer and implement the microwave system design upgrade, replacing the former Harris microwave system.

1.2 Project Scope

Contractor shall provide the following services:

- Project Management
- Transmission Engineering
- Configuration Engineering/Drafting
- Factory Integration and Testing
- Radio Installation and Testing
- Radio Decommission
- > RAD DACS 4100 Factory Integration, Field Installation, and Testing
- Frequency Assurance Solutions (FAS) Software for 6 gHz Hops for 10 years
- Network Engineering
- Project Engineering
- MPLS Network Services
- Antenna and Line Installation
- Network Integration
- Antenna System Decommission

Project Summary

➤ Number of Hops: 36 + 2

Number of Sites: 36 + 2

Number of Parallel RF Channels: 0

Number of Sites: 0

Radio Equipment Family(ies): IRU600v4 & ODU600

Frequency Band(s): 6.11 & 18gHz

Link Capacity(ies): QAM to 4096 mb/s

Projection Type(s): NP Ring and HSD Spurs

Traffic Type(s): Ethernet and T1 Projection Locations (States): CA

1.3 Supporting Documents

Contractor shall provide the following documents in support of this project for County's review and acceptance as part of the project completion. Once County

has accepted each supporting document, County shall sign and return each document to Contractor prior to final project completion.

	<u>Document</u>	Master Document	Requires County's Acceptance/Sign- off
ס	Project Schedule	Project Schedule	Yes
ä	Statement of Work	This document	Yes
Planning	Statement of Work Sign-off	This document	Yes
<u>.</u>			
	DC Power calculations	Design Freeze Package	Yes
	Design Freeze Package	Design Freeze Package	Yes
	Equipment List	Equipment List	Yes
	Frequency Datasheets	Path Survey Report	Yes
	Floor Plan	Installation	Yes
		Specifications	
	IP Plan	Design Freeze	Yes
		Package	
	NMS Plan	Design Freeze	Yes
g		Package	
Design	Path Calculations and Path Profiles	Path Survey Report	Yes
	Path Survey Report	Path Survey Report	Yes
	Rack Profiles and Wiring	Installation	Yes
	Diagrams	Specifications	
	Site Survey Report	Site Survey Report	Yes
	Synchronization Plan	Design Freeze	Yes
		Package	
	System Layout	Design Freeze	No
		Package	
	Traffic Plan	Design Freeze	Yes
		Package	
	Antenna Installation	Installation	Yes
	Checklist	Specifications	
	Antenna Mounting Design	Installation	Yes
<u>_</u>		Specifications	
atic	Antenna System Audit	Installation	Yes
ent	Form	Specifications	
Implementation	As Built Record Sets	As Build Records	Yes
μ	Change Order Form	This document	Yes
-	Equipment Installation	Installation	Yes
	Checklist	Specifications	
	Field Acceptance Test Plan	Installation	Yes
		Specifications	

Installation Specifications	Installation	Yes
	Specifications	
Injury and Illness	Installation	Aviat
Prevention	Specifications	
Project Completion Sign-off	This document	Yes
Punch List Completion	Installation	Yes
Report	Specifications	
Site Installation Completion	Installation	Yes
Report	Specifications	
Traffic Cutover Plan	Installation	Yes
	Specifications	
RF Cutover Plan	Installation	Yes
	Specifications	

1.4 System Summary

Contractor shall provide the following services as indicated in Exhibit C- Aviat U.S., Inc. Microwave System Summary.

- Warranties: Three 3 years of hardware and equipment warranty
- Training: Onsite training for Eclipse Radios, MPLS routers, Management System, and RAD 4 100 DACs.
- Refer to Exhibit C-Aviat U.S., Inc. Microwave System Summary for further details

1.5 MPLS Design Scope for Projects with this Feature

Contractor shall provide a detailed IP/MPLS plan covering the following:

- Layer 1 connectivity: list of ports, types, speed/duplex
- > Layer 2 parameters: VLANs, Link aggregation schemes
- ➤ Layer 3 parameters: IP addresses, mask, topology, IGP protocol, area design, routing and BFD parameters
- > MPLS signaling protocols, parameters and protection schemes
- MPLS services: list of all VPNS and their configuration parameters (VRFs, route targets, PWs, etc.)
- QoS schemes: classification rules, priority mapping, scheduling and shaping schemes
- Security plan: user accounts, authentication and encryption schemes
- Management plan: ports, IP addresses and routing

County shall provide the application-level requirements for the IP/MPLS backhaul network including:

- List of applications: public safety, video cameras, VOIP, security, etc.
- Performance targets for each application: throughput, latency, jitter, convergence time, and QoS
- List of County/Customer Edge (CE) routers and devices per site
- > Number and type of device connections per site
- Required connectivity schemes between CE routers and devices: VPWS, VPLS, or L3VPN
- Required IP address range

1.6 Period of Performance

The project Period of Performance is estimated at twenty (20) months after of issuance of a Purchase Order/Receipt of Order (ARO)

1.7 Field Crew Mobilization

Contractor has included six (6) mobilization for Contractor's Network Integrators for the duration of the field implementation phase. For any additional mobilizations shall be billed on a time-and expenses basis which is subject to the written approval by the County.

1.8 On-site Meetings

Contractor to provide at least four (4) on-site meetings for the Project Manager (PM) and Project Engineer (PE) for this project. In the event, County requests more on-site meeting both parties will mutually agree on the date and time. All other meetings shall be conducted through conference calls through out the duration of this project.

1.9 Towers and Antenna Structures

Contractor assumes all towers are climbable, and antennas can be installed without the need for cranes or lifts; if after the site survey it is determined that crane or lift is required, Contractor shall inform County with this requirement and provide a change order subject to the County's written approval and acceptance.

1.10 Construction, Site, and Civil Drawings

Contractor shall provide the standard drawing package for the microwave equipment listed in Exhibit A, Section 12. County is responsible for all other drawings required for this project.

1.11 Cutover Outages

Contractor estimates minimum outages on all ring hops, assuming ring protection is implemented; four (4) to eight (8) hours on all spur hops.

1.12 **Structural Analysis**

County shall be responsible for all structural analysis for all towers and antenna infrastructures.

1.13 Performance Period

Contractor shall conduct a 30-day performance period at the completion of the end-to-end testing. Contractor to shall add Ethernet test sets at various locations of the network to monitor for 30 days. Contractor to monitor the system performance through NMS.

1.14 Battery Storage and Charging for projects that include batteries Storage Location

If the battery is not to be installed at the time of receipt, it is recommended that it be stored indoors in a cool [77°F (25°C) or less], clean, dry location. Do not stack pallets or cell terminal damage may occur.

The storage interval from the date of battery shipment to the date of installation and initial charge should not exceed six (6) months. If extended storage is necessary, the battery should be charged at regular intervals until installation can be completed and float charging can be initiated. When in extended storage, it is advised to mark the battery pallets with the date of shipment and the date of every charge. If the battery is stored at 77°F (25°C) or below, the battery should be given a freshening charge within 6 months

of the date of shipment and receive a freshening charge at 6-month intervals thereafter. Storage at elevated temperatures will result in accelerated rates of self-discharge. For every 18°F (10°C) temperature increase above 77°F (25°C), the time interval for the initial freshening charge and subsequent freshening charges should be halved. Thus, if a battery is stored at 95°F (35°C), the maximum storage interval between charges would be 3 months (reference *Appendix B*). Storage beyond these periods without proper charge can result in excessive sulphation of plates and positive grid corrosion which is detrimental to battery performance and life. Failure to charge accordingly may void the battery's warranty. Initial and freshening charge data should be saved and included with the battery historical records.

2. Planning and Design Services and Responsibilities

2.1 **Project Management**

Contractor shall provide a dedicated Project Manager (PM) to manage this project.

Project Management Responsibilities

Toject management responsibilities	
Planning	
Develop project schedule for Contractor's engineers	Contractor
Develop project schedule for County's supporting	County
vendors	
Establish an action register	Contractor
Establish a communications plan	Contractor and County
Establish a change management plan	Contractor and County
Establish a risk management strategy	Contractor
Provide quality standards and procedures document	Contractor
Establish a resource management plan for Contractor resources	Contractor
Develop a responsibility matrix, detailing principle team members by function	Contractor
Provide details of County's principle team members by function	County
Provide details of County's single point of contact for	County
Contractor	
Execution	
Act as primary point of contact for County	Contractor
Finalize project terms and scope with County	Contractor
Chair meetings to assign tasks, evaluate progress and address issues	Contractor
Coordinate Contractor Networks' day-to-day activities through to project signoff	Contractor
Coordinate County's supporting vendors' day-to-day activities	County
Monitor progress against the agreed-upon project milestones	Contractor

Report on progress as agreed to in the communications plan	Contractor
Manage project risk through risk identification, quantification and mitigation	Contractor
Ensure the terms and conditions of the contract are complied with	Contractor
Closeout	
Manage project closeout activities	Contractor
Sign-off on closeout activities and final deliverables	County

Project Management Deliverables

Contractor shall provide the following deliverables:

- > Project schedule
- ➤ Risk Management Strategy
- > Change management plan
- Action register
- > Communication plan
- Progress reports (as required)
- > Refer to **Appendix A** for further details regarding PM's role

2.2 Microwave Network Design

Contractor shall provide copies of equipment datasheets/user manuals.

Microwave Network Design Responsibilities

Planning	
Microwave system requirements	County
Existing traffic, IP and NMS plans	County
Anticipated channel plan requirements	County
Preliminary system design during or after initial proposal	Contractor
Preliminary path calculations for selected Contractor Networks radios	Contractor
Design	
Final equipment list	Contractor
Final path calculations and path profiles	Contractor
Site specific diagram (RP's and wiring diagrams)	Contractor
DS0 traffic plans	County
DS1/DS3/OC3 traffic plans	County
IP traffic plans	Contractor
NMS plan	Contractor
Synchronization plan	Contractor
DC power calculations	Contractor
Traffic cut-over plan and method of procedure	Contractor
Field acceptance test plan	Contractor
Sign-off	
County sign-off on final network design (design freeze)	County

Microwave Network Design Deliverables

Contractor shall provide the following deliverables:

- Equipment list
- > Design freeze package
- Refer to Appendix B for further details regarding Microwave Network Design

2.3 Microwave Path Design

> Path reliability: 99.999%

➤ BER: 10^6

> County exempt from FCC license fee

Microwave Path Design Services

Contractor shall provide the following services:

> RF interference paper study

Microwave Path Design Responsibilities

Planning	
Documents relating to tower or structural analysis and drawings	County
Documents relating to previous path surveys and frequency coordination	County
Historical path performance details on a per link basis	County
Path clearance objective for each path	County
Federal registration number (FRN) and username and password	County
Design	
Path surveys to confirm path reliability objectives	Contractor
Site elevation and coordinates	County
Existing antenna mounting structure description and information (tower type)	Contractor
Existing building description and information	Contractor
Site plan (drawing with major landmarks for location purposes)	County
Final path calculations and path profiles for each hop	Contractor
Identify locations of possible sources of spectral reflection	Contractor
Information concerning possible obstructions or obstacles	Contractor
Recommend antenna size, type, and mounting height	Contractor
Radio frequency coordination	Contractor
Tower permit application	County
Prepare and submit FCC license application (where applicable – Form 601)	Contractor
Prepare and submit environmental impact data	County
Provide required environmental approvals or permits	County
File FCC construction completion notice	Contractor
Sign-off	
Approve recommended antenna size, type and mounting height	County
County signoff on final path design	County

Microwave Path Design Deliverables

Contractor shall provide the following deliverables:

- Microwave path survey report
- > Frequency data sheets
- Refer to Appendix C for further details regarding Microwave Path Design

2.4 Project Engineering

Project Engineering Services

Contractor shall provide the following services:

- > Floor plan for installation scope
- > Traffic cutover plan
- > RF cutover plan
- > Field acceptance test plan
- Installation specifications
- Manage field installation

Project Engineering Responsibilities

Project Engineering Responsibilities	
Planning	
Documents relating to tower or structural analysis and drawings	County
Site access policies and procedures	County
Site access as required	County
Building/shelter/enclosure access as required	County
Design	
Site surveys	Contractor
Existing tower description and information (tower type)	Contractor
Existing building description and information	Contractor
Site plan (drawing with major landmarks for location purposes)	County
Environmental data (if required)	County
Flooring, ceiling, racking data, and requirements to mount new hardware	County
All power, existing and future, with breaker assignments	County
Recommendation for placement of new equipment	Contractor and County
Identify and define antenna mounting hardware	Contractor
Identify any grounding issues and recommend improvements	Contractor
Identify demarcation types and location between new and existing equipment	County
Existing waveguide dehydrator information and their associated cabling	Contractor
All structural information regarding power generator	County
Recommendation for any site or shelter upgrades	County
Recommendation for tower upgrades	County
Execution	
Coordinate day-to-day field install activities through to project signoff	Contractor

Monitor field installation progress against the agreed-upon project milestones	Contractor
Report on field installation progress as agreed to in the communications plan	Contractor
Ensure proper site readiness prior to the install start date	County
Coordinate change orders until project completion	Contractor
Coordinate system acceptance and project completion	Contractor
Coordinate finalization of project closeout drawings and documents	Contractor
Review quality checklists and photos for defects	Contractor

Project Engineering Deliverables

Contractor shall provide the following deliverables:

- Microwave site survey report
- Traffic cutover plan
- > RF cutover plan
- > Field acceptance test plan
- Installation specifications
- Project closeout package
- ➤ Refer to *Appendix D* for further details regarding Project Engineering

3. Installation, Integration and Testing

3.1 Installation Services

Contractor shall provide the following installation services:

- Antenna system installation
- > Transmission line installation
- ➤ Indoor equipment and rack installation
- > Antenna alignment

County shall provide the following installation services:

- > Tower installation
- Shelter installation
- > AC power equipment
- Ground installation

Not included: DC power equipment

3.2 Integration Services

Contractor shall provide the following integration services:

- Microwave equipment integration
- Dehydrator integration
- NMS integration

3.3 Testing Services

Contractor shall provide the following testing services:

- Station test
- Hop test
- > System test
- > Traffic cutover

> RF cutover

3.4 Installation, Integration and Testing Responsibilities

installation, integration and resting Responsibilities	
General project responsibilities	
Obtain all necessary environmental and public agency approvals/documentation	County
Obtain all necessary construction permits and documentation	County
Access to sites in accordance with the project schedule	County
Normal road access for all project related vehicles	County
Transport of Contractor supplied equipment to County warehouse	Contractor
Transport of Contractor supplied equipment to sites	Contractor
Transport of Contractor personnel to and from sites	Contractor
Safety and first aid material and supplies to Contractor personnel	Contractor
Site & civil services	
Leasing, zoning, permits and inspections	County
Soil analysis or provide report	County
Foundation design for tower/shelter	County
Site construction (demolition, grading, erosion control, drainage, etc.)	County
Civil documentation for existing shelters and towers	County
Structural design package required to support proposed antenna system	County
Structural analysis report for the existing and new antenna system	County
Site layout drawings, plot plans or applicable architectural blueprints	County
Locate and mark all site boundaries and features	County
Secure storage for all equipment including radios, antennas and racks for three (3) months	Contractor
Standard equipment packaging	Contractor
Unpack Contractor equipment and remove packing material from site	Contractor
Verify packing list to specifications	Contractor
Installation services	
Tower installation:	
Antenna system support structures: towers, monopoles and tripods	County
Ground resistivity measurements and report of newly installed ground system	County
Install tower foundation	County
Tower painting	County
Provide and install tower lights	County
Provide and install safety climb and safety climb ladder	County
Provide and install lightning rod	County
Provide and install platform	County
Provide and install footing hardware and penetrations for structure on rooftops	County
Adequate earth ground in accordance with EIA/TIE standard 222G	County

Connect tower ground to site ground in accordance with FIA/TIA	Country
Connect tower ground to site ground, in accordance with EIA/TIA standard 222G	County
Provide and install standard tower leg pipe mounts.	Contractor
Provide and paint antennas to match structure or specific color	Not Included
Provide and paint lines to match structure or specific color	Not Included
Provide and install tower or rooftop pole mounts	County
Provide and install any required steel support members for side braces	Contractor
Provide and install specialized antenna mounts	Not Included
Provide and install standard face mounts	Not Included
All RF/microwave antenna mounting brackets	Contractor
Antenna feeder window/bridge and cable tray supports	County
Antennas and radomes at specified centerlines	Contractor
Ice shields at specified locations	Not Included
Cranes, man lifts, snowmobiles, ATV's, or special hoisting equipment	TBD after Surveys
Transmission Line Installation	
Waveguide ladders	County
Waveguide bridges	County
Rooftop sleepers for transmission lines and ground plates	County
Provide and install cable trays	County
Provide and install transmission lines	Contractor
Provide and install hanger kits and ground kits	Contractor
Penetrate building walls or roof and install waveguide ports and entry plates	County
Provide and install waveguide or coax boots at entry plates	Contractor
Provide and install lightning protector at entry points	Contractor
Provide and install conduit	County
Terminate and label waveguide or coax runs	Contractor
Shelter Installation	
Provide shelters, cabinets or enclosures	County
Provide and install shelter foundation	County
Shelter installation	County
Replace GPS receiver, cable and antenna at CoB2 Site	Contractor
Indoor Equipment and Rack Installation	
Provide and install cable ladders or trays	County
Provide and install new racks in specified locations	Contractor
Provide and install bracing supports	Contractor
Provide and install pressurization equipment	Contractor
AC/DC Power Equipment and/or Ground Installation	
Perform electrical (underground conduits, trenching, AC power source, etc.)	County
Provide and install ground ring	County
Provide and install generator and fuel tank	County

	1
Provide and install AC circuit breakers to support Contractor's equipment	County
Provide and install AC feeds from AC distribution to charger or UPS equipment	County
Provide and install DC circuit breakers to support Contractor's equipment	Contractor
Provide and install charger racks	Not Included
Provide and install battery into charger rack or on floor as required	Not Included
Field Integration Services	
Integrate Contractor supplied microwave equipment	Contractor
Integrate rack ground to ground distribution in shelter	Contractor
Integrate DC wiring to specified distribution panels	Contractor
Integrate payload wiring to designated demarcation	Contractor
Integrate Ethernet wiring to designated demarcation	Contractor
Integrate alarm contacts to designated demarcation	Contractor
Integrate battery wiring to designated chargers	Not Included
Connect radio antenna ports to waveguide flex sections	Contractor
Set dehydrator pressure to 4psi	Contractor
Install and integrate NMS software into County's radio network	Contractor
Customize NMS alarm designations	Contractor
Testing Services	
Review and approve Contractor's field acceptance test plan	County
Station Test	1
Perform grounding inspection	County
Perform equipment inspection	County
Perform DC power system test	Not Included
 Measure charger floating/equalization voltages 	Not Included
Measure voltages on each battery cell	Not Included
 Verify charger/battery switching 	Not Included
○ Verify 2% voltage drop to racks	Not Included
Dehydrator airflow and alarm tests	Contractor
Hop Test	1
Perform antenna system test	Contractor
 Perform a sweep test of antenna system over the bandwidth of the antenna. 	Contractor
Perform a waveguide tap test	Contractor
 Perform a 4-hour pressure test of the waveguide and antenna system 	Contractor
Perform IRU inventory	Contractor
Perform transmit power output test	Contractor
Perform receive signal level test	Contractor
Perform receiver threshold (fade margin) test	Contractor
Perform Interference fade margin test	Contractor
Verify XPIC operation and feedhorn alignment	Not Applicable

Perform Layer 2 link aggregation test Perform adaptive modulation test Perform RFC2544 Ethernet testing: throughput, latency, and frame loss Perform NFC2544 Ethernet service activation testing Perform AUX alarm/data card test Perform AUX alarm/data card test Perform channel bank test Country Verify VF continuity/level at 1KHz Verify operation of E/M signaling Perform RAD DACS 4100 Factory integration, and field installation and test Perform IP phone test Perform 1-hour BER test on the primary and standby radios (systems with TDM interfaces) Perform 12-hour BER test on primary radio and 4-hour BER test on standby radio (on Ethernet only systems) using Portal and the internal G 826 data capture routine. System Test Perform roder wire test Perform roder wire test Perform roder wire test Perform wip wrapping test Perform roder wire test Perform ProVision element manager test Perform 12-hour BER test on primary radio and 4-hour BER test on standby radio (using DS1 loopback on TDM systems) Perform a network level Ethernet Ring Protection (ERP) to verify protection switching. Perform a network level Ethernet Ring Protection (ERP) to verify protections witching. Perform a network level Ethernet Ring Protection (ERP) to verify protection switching. Perform a network level Ethernet Ring Protection (ERP) to verify protection and county of the county of contractor and county of the profess of contractor and county of the county of the county of the county of the	Perform transmitter/receiver switching test	Contractor
Perform adaptive modulation test Perform RFC2544 Ethernet testing: throughput, latency, and frame loss Perform Y.1564 Ethernet service activation testing Perform AUX alarm/data card test Perform channel bank test Country Verify VF continuity/level at 1KHz County Verify operation of E/M signaling Perform RAD DACS 4100 Factory integration, and field installation and test Perform IP phone test Perform IP phone test Perform 1-hour BER test on the primary and standby radios (systems with TDM interfaces) Perform 12-hour BER test on primary radio and 4-hour BER test on standby radio (on Ethernet only systems) using Portal and the internal G.826 data capture routine. System Test Perform nip phone test Perform pring wrapping test Perform provision element manager test Perform Provision element manager test Perform 12-hour BER test on primary radio and 4-hour BER test on standby radio (using DS1 loopback on TDM systems) Perform a network level Ethernet Ring Protection (ERP) to verify protection switching. Perform a network level Ethernet Ring Protection (ERP) to verify protection switching. Perform a network level MPLS traffic routing test to verify proper routing Traffic/RF Cutover Provide technical personnel familiar with existing equipment and cutover plan Schedule cutover of all complete traffic immediately following installation Transfer circuit wiring Contractor contractor and county described in the proper contractor and cutover plan Schedule cutover of all complete traffic immediately following installation Transfer circuit wiring Verify integrity of circuits being cutover Perform RF cutover Perform traffic cutover Perform traffic cutover Perform traffic cutover Perform traffic cutover Contractor and County		
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Notify all parties involved of site completion Contractor	Final Site Acceptance Procedure	
	Notify all parties involved of site completion	Contractor
Perform site installation inspection County		County
	·	Contractor
		Contractor

Submit final punch list of all deficiencies to be corrected by Contractor	County
Identify all critical punch list items	County
Review, agree and sign off on final punch list	Contractor and County
Sign off on Contractor's site installation checklist form	County
Final system acceptance procedure	
Sign off on Contractor's field acceptance test results	County
Resolution of County vendor issues affecting completion or project	County
Sign off on Contractor's installation completion report	County
Sign off on project acceptance based on acceptance criteria of project	County
Issue final invoice for services upon acceptance of the system	Contractor
Provide as-built drawings for Contractor provided equipment	Contractor

Installation, Integration, and Testing Deliverables

Contractor shall provide the following deliverables:

- Site installation completion report
- Quality checklists
- > System installation completion report
- > Field acceptance test report (completed)
- > Punch list completion report
- As-built record sets
- Refer to Appendix F for further details regarding Installation, Integration, and Testing Services

4. Equipment Decommission

4.1 Equipment Decommission Services

Contractor shall provide decommission services for the following:

- Antenna system
- > Transmission line
- Pipe mount
- Radio rack
- Dispose decommissioned equipment
- Not Included:
 - DC charger rack
 - Battery

5. Subcontractor

Contractor shall be utilizing Velex as their subcontractor to provide antenna installation and testing services.

6. Appendix A: Project Management

Responsibilities

Contractor shall assign a representative to be the primary point of contact for this project ("Project Manager") for the duration of the project. The Project Manager (PM) shall work with County to facilitate effective resource management,

escalations, approval processes, scheduling, communication, and reporting with Contractor's engineers and other designated vendors as needed. The PM is responsible for maintaining control of the project and assuring compliance with the project and County's specifications. Contractor shall not be responsible for the resolution of County's vendor issues affecting the completion of the project.

Contractor shall conduct face-to-face communication and on-site meetings with the County, some activities that do not require face-to-face contact shall be performed at the Contractor's office. It is the responsibility of the Contractor to communicate to the County when these activities that do not require face-to-face contact shall occur.

Project Schedule

The project schedule for Contractor's engineers and sub-contractors, and for County's supporting vendors shall be developed (or updated if a schedule is included with this proposal) and maintained in Microsoft Project and shall identify project deliverables, key milestones, resource assignments, and track project progress against each milestone. County and Contractor shall review and mutually agree to the project milestones and deliverable dates prior to the execution of any services on the project. A copy of the project schedule will be available upon request in .pdf or .mpp format.

It shall be the responsibility of County to track and deliver against all County internal (including County's sub-contractors) milestones. The overall project plan generated by Contractor's PM shall show major deliverable milestones, but not internal milestones of the County.

Communication Plan

Establishment of a communications plan shall be done in accordance with the principles of project management established by the Project Management Institute (PMI®) unless otherwise agreed to. The plan shall involve representatives from Contractor and County and any other entities as mutually agreed between the parties for project kickoff meetings, periodic progress meetings, or problem escalations as needed. The plan shall include the location and frequency of any such meetings, the format for formal communication and meeting minutes, attendee or distribution lists with contact details, methods of communication, and escalation and management level lists.

County shall make appropriate staff available for regular consultation and meetings with Contractor's PM.

Change Management Plan

Establishment of a change management plan shall be done in accordance with the principles of project management established by the Project Management Institute (PMI®). Each party shall work closely with the other to manage any scope changes through the term of the project and understand their impact on the project performance from a cost, quality, and schedule perspective. Any such change may be subject to a change order fee and shall be communicated to County prior to the implementation of the change. Any change order approvals

shall be submitted in writing.

Quality Standards and Procedures

Quality standards and procedures documents will be provided by County of San Mateo.

Resource Management Plan

Establishment of a resource management plan shall be done in accordance with the principles of project management established by the Project Management Institute (PMI®), identifying principal team members by function, including backup resources (if required).

Closeout Activities

During the project closeout, contractor shall manage all project closeout activities and County shall review all project closeout documents and final deliverables.

County Responsibilities

County of San Mateo shall:

- Provide details of County's principal team members by function during the project kickoff meeting.
- Provide details of County's single point of contact during the project kickoff meeting.
- Provide all other relevant documentation or resources to assist in gathering information.
- Provide access to sites, shelters, buildings, enclosures, facilities or any other areas as required.
- Provide updates as necessary of any site readiness issues to be resolved prior to start of work. This includes, and is not limited to, permitting, leasing, zoning, insurance, etc.
- Provide security clearances and/or escorts as required for field survey and installation activities.
- Provide access to pertinent databases, planning requirements, including strategic plans, expansion scenarios, growth projections, introduction of new services and wireless technology.

7. Appendix B: Network Engineering

Microwave System and Network Design

Contractor shall provide a Network Engineer who oversees the network and provides the overall technical direction of the system design. The Network Engineer shall work with the County to ensure system integrity, verify that all subsystems and Contractor furnished OEM equipment is compatible, and that the desired performance of the system is realized.

The network design portion of the project consists of three phases:

- 1. Preliminary design
- 2. Final design
- 3. Design freeze

Preliminary Design Phase

During the preliminary design phase, the Network Engineer shall gather data to establish the design criteria and any special County requirements that need to be incorporated into the final design. The Network Engineer shall review and translate the system configuration into specific hardware requirements. Equipment selection shall be based on the requirements, input and requests from County, functionality of the equipment, and recommendations from the Network Engineer. Contractor shall provide County with a summary of the preliminary system design prior to commencing field surveys. All preliminary designs are subject to change. Changes can include, but are not limited to changes based on:

- 1. Survey results
- 2. Vendor shortages or long lead times
- 3. County requests
- 4. Engineering recommendations

Design Finalization Phase

After receipt of purchase order and the project kickoff meeting, Contractor and County shall enter into the design finalization phase. During this phase, the Network Engineer shall incorporate any required changes stemming from the path and/or site surveys into the design and confirm the final design details. Changes can include but not limited to:

- 1. Antennas (types, sizes, models, quantities, and mounts)
- 2. Waveguide (types and lengths), waveguide accessories and dehydrators
- 3. Power systems, cabling, and other materials that could not be finalized prior to conducting the field surveys

During this phase, County may also request changes to the system design if the changes fall within the original scope and hours of the project. Any changes outside of the original scope or agreed schedule are subject to review and acceptance by Contractor to determine the impact and cost on the overall project.

Contractor shall provide a formal submission detailing the final system design and equipment list and highlight changes needed to the preliminary design. County shall review the data and schedule a meeting, if necessary, to discuss any concerns. If no concerns are noted, it is County's responsibility to approve the final design in writing (email is acceptable) before the design is frozen and equipment is placed on order (unless otherwise agreed to in Exhibit A-Services or with the Project Manager). Any delay in the approval of the final design could result in a delay in material delivery to the field. This might require a review by County and Contractor of the project schedule and deadlines.

Design Freeze Phase

As part of the Design Finalization Phase, a date shall be set for the design freeze at which the final design and all changes must be approved and accepted by both parties. Following the design freeze, the Bill of Materials and documentation shall be submitted to Contractor's factory and the system shall be scheduled for

manufacturing. The Network Engineer shall concurrently review all design documents and finalize any traffic plans, NMS plans, synchronization plans, traffic cutover requirements, as well as any special factory and field acceptance testing requirements for the project. During the Design Freeze Phase, the design is frozen and no further changes to the system design shall be accepted without a formal approved change order and reevaluation of the project and delivery schedules. Refer to the project schedule for details on the planned start and finish dates for each of these phases.

Deliverables

For a full list of Contractor's microwave design deliverables, refer to section Microwave Network Design and Deliverables.

- 1. The equipment list refers to the final bill of material ("BOM")
- The design freeze package refers to the final path calculations, path profiles, rack profile and system drawings, traffic plans, IP plans, NMS plans, synchronization plans, and/or DC power calculations

8. Appendix C: Transmission Engineering

Microwave Path Design

Contractor shall provide a Transmission Engineer who oversees transmission and ensures the delivery of the best possible network solution by providing the technical direction for the over-the-path RF performance of Contractor's system implementation. All microwave paths designs are preliminary, pending final path surveys and frequency coordination. This includes:

- 1. Antenna selections, antenna centerlines, and antenna mounts
- 2. Total transmission line lengths
- 3. Path calculations and profiles
- 4. The size, type, quantity and configuration of each component

Equipment proposals are simply a reflection of these preliminary designs and subject to change. It is further understood that any changes to existing or proposed antenna centerlines could justify the need for tower stress analysis or, if modification is impractical, construction of a new tower. Any such requirements shall be the responsibility of County unless otherwise stated in the Agreement.

In the event that County elects not to use Contractor to perform path surveys, the performance of the microwave system shall not be guaranteed by Contractor and it shall be up to County to resolve any path reliability or obstruction issues. Refer to the *Warranty of Path Engineering Services* section below for further detail.

In the event that County selects Contractor to perform path surveys, a formal submission detailing the results of the path survey and highlight changes needed to the preliminary design will be submitted to County. County shall review the path survey data and schedule a meeting, if necessary, to discuss any concerns or alternate means of providing path continuity/system reliability. County shall communicate any feedback to Contractor before the final system design approval. Once County accepts and approves the path survey data, Contractor shall proceed with frequency coordination (if applicable).

Microwave Path Survey, Frequency Planning and Licensing

Contractor shall provide the following microwave path survey services:

- 1. Identify geographical location of sites and antenna, waveguide length and tower requirements
- 2. Verify path clearance objectives for each of the paths from existing or new tower locations
- 3. Document obstruction, critical points, and reflection points in each of the paths
- 4. Verify tower coordinates and site elevations.
- Establish coordinates and height requirements for new towers, as needed for governmental agency registration and licenses filed by County
- 6. Confirm antenna centerlines and waveguide length requirements. Catalog antennas on the existing structures noting any space limitations in the survey report. Contractor's engineer shall review the tower for new antenna design space limitations specific to this project only but shall not perform a complete tower audit
- 7. Perform frequency coordination based on available FCC records to reduce the potential for interference between internal or external radio sources on a given system or network.
- 8. Contractor, upon receipt of County's written authorization, shall prepare the FCC License Application Form 601 with the appropriate technical data. Information such as site location, radio type, and frequency shall be listed. Contractor shall complete and submit the Construction Complete Form 601 online via FCC Universal Licensing System ("ULS").
- 9. File Antenna Structure Registration ("ASR") form for towers over 200 feet.

The results of the survey shall be utilized by Contractor for preparation of final performance calculations, frequency coordination, government licensing, and tower registration requirements. In the event where Contractor shall not be performing the path survey, County shall provide all the documents needed for Contractor to complete the frequency coordination, licensing, and final system design. Contractor shall not be held accountable for validating the accuracy of the information provided by County and assumes no responsibility in any inaccuracies of any part of the path engineering based on the information provided by County or any contact affiliated with County. Any corrective action required as a result of this shall be billed to County a billable change order.

Survey Procedures

Preliminary path profiles are drawn based on the supplied site coordinates and contour information extracted from the best available topographic mapping. A field site survey is conducted to verify site coordinates and elevations based on North American Datum 1983 ("NAD83") and gather information related to the proposed radio equipment and antenna locations, site access, and site development constraints. A field path survey is then conducted to verify path profile elevations, measure all natural and manmade potential obstructions and assess the reflective potential of all natural and manmade surfaces. Antenna

centerline heights were calculated for the proposed frequency band by applying suitable clearance criteria based on the propagation characteristics of the geographic area. The path survey report is considered to be a representation of the information gathered in the field and as such, reflects a snapshot in time at the time of the survey. It is not intended to show the final as-built configuration if any of the parameters were changed or updated after the survey report has been released.

Path calculation sheets are then generated for each hop, based upon the recommended centerline heights. Antenna sizes and the choice of propagation protection diversity are chosen to meet the required fade margin and the desired path propagation reliability. Propagation outage and reliability calculations are based on the Vigants model (ref. "Space Diversity Engineering", BSTJ, 1/75).

Design Criteria

Path clearance criteria must be established for each path on the basis of total system performance objectives, economic considerations, and careful analysis of local atmospheric conditions derived from published climatological data, where available, and reported microwave transmission experience pertinent to the area. Antenna heights much greater than actually needed cause an unwarranted increase in system cost, and on paths with significant ground reflections, this can increase the exposure to multipath and ground reflection signal fading. It is desirable to locate the antennas high enough so that even under severe superstandard atmospheric refractive conditions (surface ducting) there is adequate clearance such that signal entrapment does not significantly degrade the fade margin of the path or generate excessive multipath fade activity. The choice of clearance criteria for a microwave path is a balance between cost and performance.

The path clearance criterion as applied to a given geographic area is a function of the degree and direction of atmospheric beam bending and can conveniently be defined by the equivalent earth radius K factor:

$$K = \frac{\textit{Effective Earth's Radius}}{\textit{Actual Earth's Radius}}$$

The median propagation value of K = 4/3 allows the normal microwave horizon to be slightly extended when compared to the optical horizon; however, under certain meteorological conditions (for example, during nighttime super-refractivity usually associated with temperature inversions) the value of K increases to 2 or greater for periods of several minutes to several hours. This increases the path clearance and results in the heavy multipath fade activity seen on some reflective paths and antenna decoupling power fading on others.

Clearance Criteria

The criteria used to design a radio path in regions where the C-factor is equal to or less than 1:

Main to Main:

- 100% first Fresnel zone radius over K=4/3, or
- 60% first Fresnel zone radius over K=1, whichever is greater

Main to Diversity:

60% first Fresnel zone radius over K=4/3 (Not Applicable)

The criteria used to design a radio path in regions where the C-factor is greater than 1:

Main to Main:

- 100% first Fresnel zone radius over K=4/3, or
- 30% first Fresnel zone radius over K=2/3, whichever is greater

Main to Diversity:

• 60% first Fresnel zone radius over K=4/3 (Not Applicable)

Microwave Path Performance Calculations and Warranties

The microwave path design models most frequently employed within the industry (e.g., Vigants, and ITU-R P-530) provide a reasonably accurate (and therefore usually guaranteed) estimate of the cumulative time a path will be out of service due to random atmospheric multipath fading under normal atmospheric conditions. These models do not (and cannot) accommodate abnormal, unusual, anomalous, or otherwise unpredictable conditions of weather or atmospheric refractivity.

Microwave Frequency Engineering/inter-system Interference Analysis

Contractor shall partner with Comsearch, a CommScope company, to provide cost-effective frequency planning and FCC licensing services for radio communications systems (if required). The planning software used, considers specific operating parameters of both the proposed microwave system and the environment microwave systems (license and proposed) to properly consider the interference potential of the new path or system. Parameters and data elements incorporated into the modeling include, but are not limited to:

- Antenna type, antenna height, elevation, antenna radiation pattern
- Receiver filter performance
- Terrain
- Radio modulation
- Path orientation
- Receiver threshold

These elements are required to accurately predict specific interfering levels into and from the existing microwave systems. The accuracy of the calculations is ensured by real-time maintenance of the Comsearch point-to-point microwave, earth station, radio equipment, antenna, interference objective, and contact database.

Microwave Frequency Selection

The interference analysis performed on the microwave system identifies available frequencies considering existing and proposed systems found in the Comsearch database. When applicable, an analysis of the systems in the adjacent bands can be done to ensure the microwave system does not receive unwanted threshold degradation. In bands shared with satellite systems, an analysis of potential

interference with earth stations and with the geo-stationary satellite orbit can also be done. Additionally, co-located or nearby transmitters already licensed in the required frequency band can be identified in order to reduce the possibility of "bucking" an existing high/low frequency plan that could increase the possibility of receiver overload or reflective interference from a nearby system.

Microwave Frequency Coordination and FCC Licensing

The majority of microwave bands subject to FCC Rule Part 101 require prior coordination with existing licensees. Contractor shall partner with Comsearch to perform the frequency coordination and FCC licensing on behalf of the County (if required). The procedure will include notification of the technical parameters of the proposed system to all existing and proposed licensees in the area and frequency band of operation. Frequency coordination will also be performed with Canadian and Mexican authorities in border areas when necessary. By FCC rule, recipients are given 30 days to respond, or in some cases an expedited response can be requested.

Upon completion of the prior coordination process, documentation required to satisfy FCC Rule Part 101.103 (d) can be prepared on behalf of the County. This will include any necessary exhibits, including supplemental showings required upon submittal of the requested license application. The FCC filing process includes:

- Filing of the FCC Form 601 microwave application upon written approval from County and providing an electronic copy of the application to County via email.
- Tracking the status of the application until the license is granted by the FCC. Amendments will be handled expeditiously on behalf of County for any questions or concerns from the FCC.
- Email notifications to the licensee when the license is granted by the FCC.
- Filing of the required completion of construction notification with the FCC upon written approval from the licensee and notification of the filing via email.

Special Considerations

On all microwave radio paths traversing urban areas there exists the possibility of multiple on- and off-path structural reflections which generate long-delayed echoes, as well as terrain scatter RF intra- and inter-system interference. Long delayed, low-level echoes have no effect on digital radio performance; however, the terrain scatter mechanism cannot be accurately predicted nor precisely measured without an extensive and expensive field trial. Consequently, this mechanism is specifically excluded from all current industry-wide path survey and frequency coordination performance guarantees.

The structure supporting the microwave antenna can take many forms. The antenna is most often mounted on a tower but can be mounted on a variety of structures such as roof tripods, penthouse walls, wooden telephone poles, or metal monopoles. It is recommended that County conduct a structural analysis of the support structure to determine if the structure will support the additional

loading imposed by the antenna and its mount. The structure must also meet the twist and sway requirements per EIA/ANSI 222G.

Site Access

Access to work sites shall be made available by County for a minimum of 10 hours per day, 5 days per week or per the agreed schedule in the project plan. All roads leading to work sites shall not require more than a 4-wheel drive vehicle unless stated otherwise and agreed to by both County and Contractor. Any delays or additional cost caused by poor road conditions or site access issues not discussed prior to the start of the surveys shall be billed to County as a billable change order and could have a negative impact on the project completion schedule.

FCC Rules for Filing Accuracy

CFR 47, Part 1.929 specifies that filing accuracy for site coordinates shall be (+/-) 1" latitude and longitude, and for ground elevation (+/-) 1 meter (3.28 ft.). Part 1.929(k) (covering modification of FCC licenses) specifies that any change in site coordinates >5" latitude or longitude shall require prior authorization and recoordination. Therefore, wherever Contractor's survey results deviate more than (+/-) 5" latitude or longitude, or more than +3.28 ft. site elevation, frequency recoordination will be recommended.

Terms and Conditions

When Contractor performs reliability calculations or path studies (path profiles from mapping or digitized data only) based solely on information supplied by or on behalf of the County, these calculations and studies are provided solely for budgetary purposes and shall not be construed as or be used for an installable design.

When conducting a path survey, Contractor shall verify site coordinates and ground elevations, and record trees and man-made fixed obstructions on the path. This information shall be recorded on the profile for that particular path. Contractor shall assign an appropriate growth factor to tree heights.

When Contractor performs frequency planning based, in part or its totality, on data provided by the County at the time of the study, Contractor shall not be responsible for any interference case that might arise due to errors or omissions in such data. As the usage of microwave bands increase and there is more sharing with satellite services, it may be necessary to perform frequency interference studies and additional path surveys (to determine blockage) to alleviate the possibility of interference from satellite earth stations.

Warranty of Path Engineering Services

Contractor warrants that the installed radio communication path shall conform to County's multipath performance reliability objectives when Contractor has performed the path survey, recommended the path design, and implemented such recommendations. This warranty is for a period of fifteen (15) months from the date of the survey or one (1) year from the date of installation of the microwave path, whichever expires first. All Contractor's field activities and path propagation

analysis shall utilize current hardware, software, engineering practices and judgment with the goal of meeting normal Path Loss, as defined in TIA/EIA Standard RS-252-A.

Contractor is not responsible for paths that it does not survey, nor for changes in path design beyond those specifically allowed in the path survey report or in writing after the field survey is completed, including but not limited to:

- Any change in path design
- Any movement in site locations
- Any building or other structure built on-path after date of survey
- Any disturbance of the terrain which may cause blockage or reflection
- Any additional frequency interference source
- Any change of available antenna mounting space on tower

Any one of these changes listed will nullify the warranty, and County shall in such case bear the total cost of determining that such change was the cause.

Contractor shall not be responsible for degraded path performance when such degradation is due to such anomalous propagation conditions as:

- Long-term loss of fade margin due to antenna decoupling misalignment caused by widely varying k-factor changes
- Long-term loss of fade margin due to atmospheric boundary layering ("ABL") causing wave front defocusing (beam spreading), signal entrapment (blackout fading), ducting, and other such occurrence
- Excessive rain outage rates beyond the published crane and/or chart data used in the calculation
- Degradation resulting from certain types of multipath interference attributed to unidentifiable off-path terrain features or structures
- Any other technological or atmospheric condition not foreseeable through the exercise of prudent engineering knowledge and judgment.

Additionally, Contractor shall not be responsible for degraded path performance when:

- Non-Contractor's radio equipment is installed on a surveyed path
- Contractor's radio equipment is not installed by Contractor
- Existing antenna and waveguide system are used without test and inspection performed by Contractor.

Contractor designs the microwave path based upon engineering practices and standards common to the industry. When path loss or reliability objectives are not achieved, County's sole remedy, and Contractors' exclusive liability in connection with path engineering, shall be that Contractor shall provide incremental labor and material to optimize the antenna system to meet the requirements created during initial installation.

Where anomalous propagation is suspected in an installed microwave path, Contractor shall work with the County to obtain reasonable evidence that such condition exists. The total retroactive costs for such study shall be the responsibility of the County, and Contractor shall provide in-office engineering support at County's expense. The cost of relocating towers, antennas, passive reflectors, or other measures required to remedy this type of problem shall solely be the responsibility of the County.

Warranty Limitations

THE LIMITED WARRANTY CONTAINED IN THIS EXHIBIT A CONSTITUTES CONTRACTORS' SOLE AND EXCLUSIVE LIABILITY HEREUNDER AND COUNTY'S SOLE AND EXCLUSIVE REMEDY FOR DEFECTIVE OR NON-CONFORMING EQUIPMENT, SERVICES, AND SOFTWARE MEDIA OR LICENSED PROGRAMS. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES (EXCEPT AS TO TITLE), WHETHER ORAL, WRITTEN, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT TO. ANY IMPLIED WARRANTY OR CONDITION MERCHANTABILITY, ANY IMPLIED WARRANTY OR CONDITION OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OR CONDITION ARISING OUT OF COURSE OF DEALING, COURSE OF PERFORMANCE, OR CUSTOM OR USAGE OF TRADE. COUNTY AGREES THAT NO CIRCUMSTANCE CAUSING COUNTY'S EXCLUSIVE AND LIMITED REMEDIES TO FAIL IN THEIR ESSENTIAL PURPOSE SHALL INCREASE OR EXTEND ANY CONTRACTOR WARRANTY. THE TOTAL LIABILITY OF CONTRACTOR AND ITS LICENSORS UNDER THIS WARRANTY SHALL IN ANY EVENT BE SUBJECT TO THE LIMITATIONS IN THIS EXHIBIT A.

ANY WARRANTY CLAIM NOT SENT TO CONTRACTOR IN WRITING DURING THE APPLICABLE WARRANTY PERIOD IS WAIVED BY COUNTY. REPLACEMENT EQUIPMENT, SERVICES, SOFTWARE MEDIA AND LICENSED CONTRACTOR PROGRAMS ARE WARRANTED ONLY FOR THE BALANCE OF THE UNEXPIRED PORTION OF THE ORIGINAL WARRANTY PERIOD, IF ANY.

COUNTY IS EXPRESSLY NOTIFIED THAT UNDER NO CIRCUMSTANCES SHALL CONTRACTOR BE LIABLE FOR (A) ANY SPECIAL, INDIRECT, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY PARTY, THIRD PARTIES, EVEN IF SUCH DAMAGES ARE INCLUDING FORESEEABLE, OR (B) LOSS OF REVENUE, LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE, LOST SAVINGS, OR LOST OR CORRUPTED DATA, OR (C) LOSSES RESULTING FROM SYSTEM SHUTDOWN, FAILURE TO ACCURATELY TRANSFER, READ OR TRANSMIT INFORMATION, FAILURE TO UPDATE OR PROVIDE CORRECT INFORMATION, SYSTEM OR **PROVIDING** INCOMPATIBILITY **INCORRECT** COMPATIBILITY INFORMATION OR BREACHES IN SYSTEM SECURITY EVEN IF CONTRACTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION SHALL APPLY TO ANY CLAIM OR CAUSE OF ACTION WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE, STRICT LIABILITY OR BREACH OF WARRANTY).

IN NO EVENT SHALL CONTRACTORS' TOTAL LIABILITY TO COUNTY OR ANY PARTY CLAIMING THROUGH COUNTY EXCEED THE LESSER OF ONE

HUNDRED THOUSAND UNITED STATES DOLLARS (\$100,000.00 USD) OR THE ACTUAL SALES PRICE PAID BY COUNTY FOR ANY EQUIPMENT, SOFTWARE OR SERVICES SUPPLIED UNDER THIS SOW.

THIS SECTION SHALL SURVIVE THE TERM OR EXPIRATION OF THE AGREEMENT. COUNTY AGREES TO INDEMNIFY, DEFEND, AND HOLD HARMLESS CONTRACTOR AGAINST ALL LOSS OR LIABILITY FROM CLAIMS BY COUNTY OR A THIRD PARTY ARISING OUT OF OR RELATING TO COUNTY'S INSTALLATION, OPERATION, OR MISUSE OF THE EQUIPMENT OR LICENSED PROGRAMS, WHETHER ON ACCOUNT OF NEGLIGENCE OR OTHERWISE.

9. Appendix D: Project Engineering

Microwave Site Design

The Contractor's representative overseeing implementation ("Project Engineer") shall perform field site surveys to verify that telecommunications equipment can be installed, powered, and commissioned effectively at each site, antennas, waveguide and accessories can be connected to radios (towers, shelters and buildings), and County traffic, alarms and dehydrator lines are fully engineered.

Microwave Site Survey

The microwave site survey is intended to gather data and identify the gap(s) between the site's present state and the site readiness for equipment installation, document any visible issue with the existing infrastructure and equipment that would pose a quality or safety issue during installation, gather environmental data and requirements for telecommunication equipment to function properly (including but not limited to HVAC, temperature, humidity, the general state of the facility as well as seismic evaluation and compliance if required), record flooring, ceiling, racking data and requirements to mount new equipment including floor plans, relay rack profiles, aisle numbering plans, and ceiling hangers, ladders, and anchor materials required to meet quality and safety standards.

The survey is also intended to record AC, DC, grounding (as is and to be), and breaker assignments and ensure power and grounding standards are met, identify demarcation types and location between new and existing equipment as well as the type of termination and the details required to terminate to the County provided equipment, identify existing radio equipment (fixed and mobile) as well as their operating frequencies, record existing waveguide, dehydrator component and their associated cabling, identify all required or existing tower structures, mounting structures, antenna mounting types, waveguide ladder systems, entryway into telecom shelters, and energy sources.

The results of the survey shall be published and released in a site survey report and shall be utilized by Contractor for preparation of final power calculations, waveguide requirements, field OEM requirements, installation specifications, field test plans, and traffic cutover plans. In the event where Contractor shall not be performing the site survey, County shall provide all the documents needed to Contractor to complete the site engineering and final system design. Contractor

shall not be responsible for validating the accuracy of the information provided by County and assumes no responsibility in any inaccuracies of any part of the site engineering and microwave site design when such design is based on the information provided by County, or any contact affiliated with County. Any corrective action required as a result of this shall be billed to County as a billable change order.

Microwave Site Access

Access to work sites shall be made available by County for a minimum of 10 hours per day, 5 days per week or per the agreed schedule in the project plan. All roads leading to work sites shall not require more than a 4-wheel drive vehicle unless stated otherwise in this Agreement and agreed to by both County and Contractor. Any delays or additional cost caused by poor road conditions or site access issues not discussed prior to the start of the surveys shall be billed to County as a billable change order and may have a negative impact on the project completion schedule.

Field Installation Management

Contractor shall manage the day-to-day activities of the field installation with support from County to ensure the project remains on schedule as per the agreed project schedule.

10. Appendix E: Installation, Integration and Testing

The installation, integration, and testing services include design-supported methodologies, product expertise, and field-proven processes to help ensure a quality installation and testing of critical system paths and hardware so that the network performs according to its design. Contractor shall designate a primary point of contact to answer any County questions, provide guidance, and address issues specific to this service.

This Agreement is based on the Contractor's standard installation schedule of 10-hour days, six (6) days per week. Contractor shall adjust these services for work week schedules outside of Contractors' standard. Installation work performed during maintenance windows is not included in this Agreement unless specifically identified. All work will be done in accordance with Contractors' best practices guide.

Scope

Delivery of this service shall utilize the design documentation developed as part of the planning and design phase. Field crews shall utilize this documentation to:

- Install antenna systems
- Install transmission lines
- Install indoor microwave equipment, racks and components
- Perform antenna alignment
- Perform system integration
- Perform system testing

System implementation is predicated upon completion of civil construction and complete site readiness. Antenna, waveguide and equipment installation

activities shall be performed at the same time on a per-site basis. As part of the delivery of this service, Contractor may choose to integrate equipment at the manufacturer's location to minimize onsite installation time and provide a common point for quality assurance inspections. If staging areas are utilized as part of the project, equipment and materials shall be delivered from these facilities to site by the installation crews. It is recommended that County provide maintenance technicians during any service affecting work.

The successful completion of all installation, integration, and testing services are based on uninterrupted, contiguous-site installation and testing. Additional mobilizations are not included in the pricing and project schedule. If installation is delayed due to inclement weather, inaccessible sites(s), incomplete site preparation, or construction, the following charges may apply and will be billed to County as a billable change order:

- Standby time for antenna installation teams shall be charged at a rate of \$1,220 per person per day.
- Standby time for radio teams shall be charged at a rate of \$1,225 per person per day.
- If re-mobilization of the installation crew is necessary, then a two-week advance notice is required.
- Re-mobilization shall be billed on a time-and-expenses basis.
- Service costing assumes use of 4-wheel drive vehicles for all project related vehicles. Additional requirements such as ATVs may require additional service costs.
- If the field crew(s) is required to work out of contiguous sequence due to conditions beyond the control of Contractor, a charge equal to one day for each crew person shall be assessed to the County for each occurrence.

Site Access

Access to work sites shall be made available by County for a minimum of 8 hours per day, 5 days per week or per the agreed schedule in the project plan. All roads leading to work sites shall not require more than a 4-wheel drive vehicle unless stated otherwise is this Agreement and agreed to by both County and Contractor. Any delays or additional cost caused by poor road conditions or site access issues not discussed prior to the start of the installation, integration or testing services will be billed to County as a billable change order and could have a negative impact on the project completion schedule.

Site Services

All work permits, public agency approvals, leasing agreements, zoning permits or inspections required at each site, soil analysis, foundation design, civil documentation for existing shelters or towers, architectural blueprints, plot plans, structural analysis for new or existing antenna systems, location of all site boundaries and features (including locating and marking tower location, true North, property boundaries, paved areas, landscaping, fences and any other underground/overhead obstruction which could interfere with construction and access), and/or other related documentation for this project shall be obtained, conducted, completed and made available to all parties involved prior to the start

of any installation, integration or testing services. All other construction and installation work shall be conducted in accordance with local city, county, state, and government laws and regulations.

All equipment including radios, antennas and racks shall be stored by County in a secure location at the site or at a designated location. County shall be responsible for the loss of any equipment, tools, or personal belongings from any secured location provided or monitored by County.

Installation

County shall verify that each site is ready for installation and commissioning activities, including County supplied equipment installation and power up prior to the start of any such services and shall be responsible for any delay caused or cost incurred due to sites not being ready, as stated in the project scope of this Agreement.

An inspection shall be performed with County after completing the physical installation. Workmanship deficiencies shall be noted on a punch list for immediate correction. This inspection is not intended to verify operation of the new system or suitability of components, but rather to inventory and document that all equipment and materials from the schedule of values are installed to acceptable workmanship quality standards. Site drawings shall be reviewed and red-lined to reflect the installed condition.

Testing

Test crews shall begin work immediately after installation is complete. Testing, based on a standard set of Contractor test cases, shall be performed on all provided equipment to confirm configuration, operation and manufacturer's specifications. Test data shall be recorded on field test sheets, by technical field personnel who shall also be responsible for documenting test results and any changes made to the design documentation.

The test crews shall be trained on the equipment and utilize test equipment to perform all tests. Test equipment shall have valid calibration certifications, which can be verified prior to commencing any tests. It is recommended that County take the opportunity to have their maintenance technicians witness or participate in field commissioning testing to gain on-the-job training and experience on the new system components.

Commissioning tests shall consist of a set of standard Contractor test cases and include turn-up and performance verification tests and circuit tests to verify end-to-end continuity and equipment operation as well as any other tests documented in the field acceptance test plan. The field acceptance test plan shall be approved and agreed to by Contractor and County prior to test execution. Test results shall be recorded on field test data sheets and submitted to County. Refer to the field acceptance test document for details on the test to be performed.

System tests shall be performed on a logical section/loop of the system. The system tests shall be designed to demonstrate performance and functionality of system features as-well as end-to-end operation of individual circuits/services.

System test results shall establish benchmark system performance and operation prior to cut-over and acceptance. The test data sheets prepared during commissioning and system testing shall become the base line document for maintenance and performance evaluation of the system over an extended period of time. County shall be required to review the commissioning and acceptance testing and results and red-lined drawings and provide approval of the data and authorization to proceed with cut-over activities.

Traffic Cut-over

Cut-over activities are anticipated to occur as DC, antenna and radio sub-systems are implemented. The Commissioning and system-level test activities verify that the new system is ready to accept traffic. Preparation, planning, logistics, and technical support are the critical elements in transferring existing services to a new system. County infrastructure is utilized for control of mission critical infrastructure; therefore, processes must also be put in place to minimize interruptions as well as to restore the original service in the event of unforeseen situations.

Safety

The health and safety of all individuals, whether in the field, plant or office, takes precedence over all other concerns. Management's goal is to prevent accidents and to reduce personal injury and occupational illness and comply with all safety and health standards. A code of safe conduct is important to the efficiency of operations. To the greatest degree possible, County shall provide physical safeguards required for personal safety and health in keeping with the highest standards. Contractor requires a written report from County for all accidents and incidents, no matter how small.

Safety and first aid material and supplies shall be provided to all Contractor construction and installation personnel or made available at each site for the duration of this project. All safety and first aid material shall be stocked at acceptable levels and shall have not exceeded the expiration dates where applicable. County shall be responsible for providing Contractor with the location and phone numbers of all local emergency agencies.

11. Appendix F: Assumptions and Exclusions

The following assumptions shall govern the delivery of the project management service:

- This Agreement is based on County completing all items set forth in this Agreement as being County's responsibility to ensure site readiness.
- Any inaccuracies in FCC data may drive additional services costs during field implementation. In addition, any other troubleshooting tasks related to frequency interference issues that are not directly attributable to Contractor are subject to additional service fees at rates define in this Agreement.
- All equipment interconnections or termination points, unless specified otherwise, are estimated to be fifty (50) feet. This project does not include any cabling between buildings, rooms, or floors, unless specifically identified in this Agreement.
- County provided construction drawings shall have sufficient details for

- Contractor engineering to order antenna mounting or any other related material required. Any re-engineering to provide correct mounts or material required by Contractor may increase cost to County.
- Contractor shall not be responsible for managing County project responsibilities and deliverables.
- Contractor shall not be responsible for the condition of existing equipment, or the deficiencies of non-Contractor provided labor. Only the labor addressed in this Agreement shall be provided by Contractor.
- On-site technicians shall decline any County request for work outside the scope of work defined and agreed upon in this Agreement unless it is addressed in a change order.
- Contractor proprietary documentation used by service delivery teams to perform this service is not available to County.
- Contractor shall not provide proprietary information on methods, procedures, or tools to perform the services in this Agreement.
- Contractor shall not perform any and services that are not specifically described within this Agreement as being provided by Contractor.
- Contractor shall not be responsible for the resolution of other vendor issues affecting the completion of the cutover. Contractor can provide guidance and support to County in resolving interoperability issues, where applicable.
- Contractor shall not repair equipment not in the engineering drawings.
 Equipment requiring repair that is not included in the engineering drawings but is still under warranty must follow Contractor's repair and return procedures.
- Additions or changes to ironwork, cable racks, or fiber ducts are not included and can be quoted separately after site visit information is collected.
- Contractor shall comply with all applicable County Safety and security policies and procedures.
- Contractor shall not charge the following expenses to this engagement namely: airfare, lodging, mileage, meals, photocopies, tolls and parking, and travel time.
- When applicable, Contractor shall apply and secure the required security clearances from the County and Contractor's resources shall comply with the County's minimum background check requirements.
- When applicable and if requested by the County, Contractor to provide all applicable licenses and license numbers, certificates relevant to the assigned project, name of holders of those licenses and certificates, and names of the agencies issuing the licenses and certificates.
- 48VDC Power Systems shall be available at all sites.
- Contractor to provide DC Power Consumption Calculations for microwave radios, routers, and other DC Powered equipment (if any) provided by Contractor.
- Any upgrades to the existing power system or hardware for a new power system is not included in this engagement.
- AC power drop wiring within three (3) feet of DC power plants is excluded, unless specifically indicated in the Agreement.

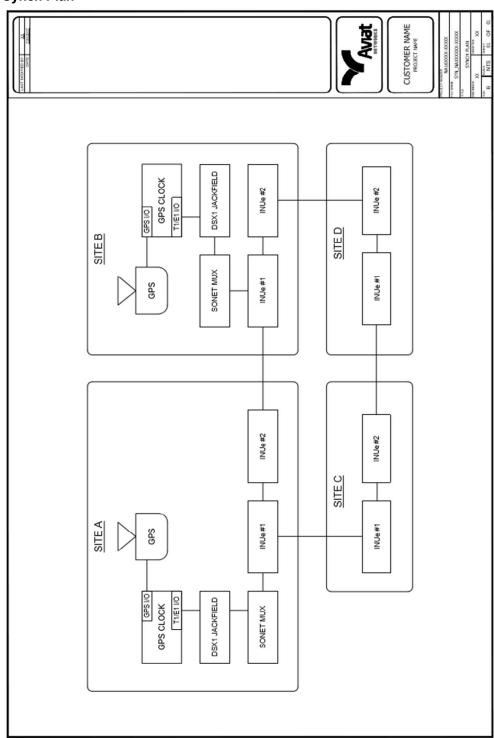
12. Appendix G: Field Change Order Procedure

Any change to the proposed system configuration, the number of sites, type of equipment, type of services or project responsibilities, or any other change to this Agreement shall be considered as a change in scope and will be subject to the following process:

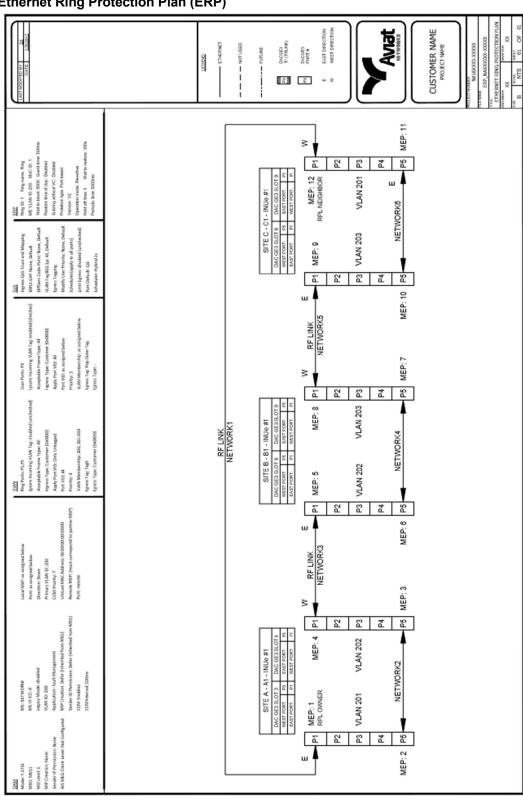
- The County or Contractor identifies a change of project scope of work.
- Contractor Project Manager or Network Engineer shall submit a proposed field change order authorization or an amendment to this Agreement containing documentation of the proposed additional activity and an additional cost.
- An authorized County representative shall review and approve the field change order authorization. A fully executed amendment to this Agreement is required prior to changes to the scope of work being implemented.

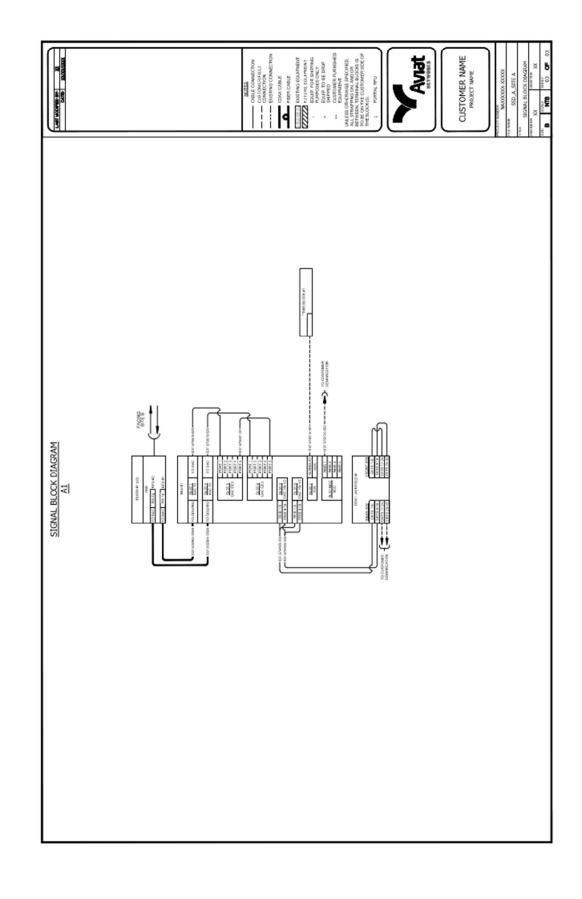
13. Contractor's Standard Drawings

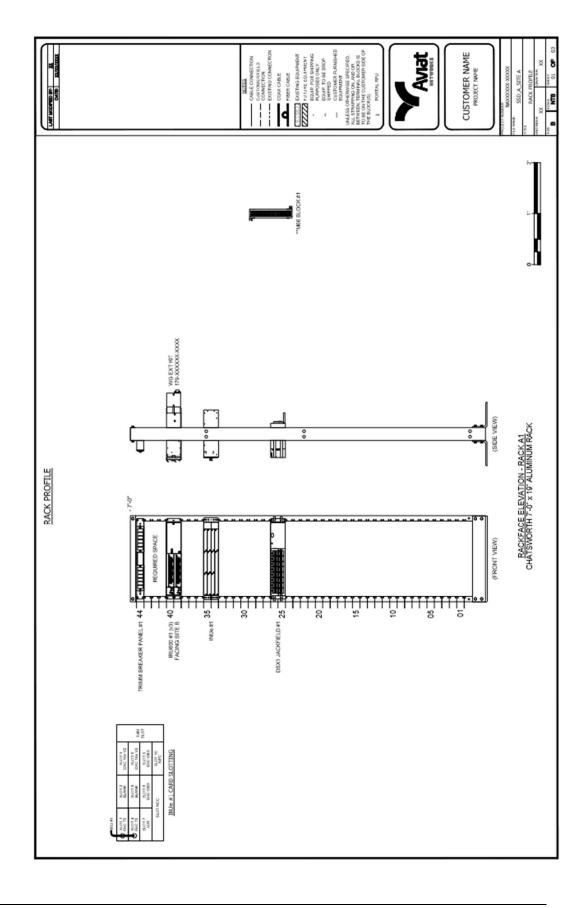
Synch Plan



Ethernet Ring Protection Plan (ERP)







Sample Power Calculations

Sample Power Calculations



Eclipse Packet Node Power Consumption Calculation Proposal #: NA130208-50689 Date: November 20, 2014 Network Engineer: M. Del Fierro

Site Name: Princeton

		Manual Entry
RFU / Module Type	Consumption	Qty
IRU600 1+1 High Power	124 W	1
RAC 60E	12 W	2
DAC GE V3	13 W	1
DAC 16X	2.5 W	2
NPC INU or INUe	8 W 13 W	1
TOTAL		187.00 W

Total AMPS @ 48Vdc:	3.90 A	
Total AIVIPS @ 46VdC:	3.90 A	-

Description	Consumption	Qty
		21112

Additional AMDS @ 49Vda:	0.00 A	

Station Load (Amps)	3.90 A	Min. Battery Plant Size (AMP-HRS)	31
Recharge Time (Hours)	24	Min. Charger System Size (AMP Rating)	5
Battery Reserve (Hours)	8	and the second s	
Ampere-Hour Multiplier	8.0	WATTS to BTU/HR	794
Termperature Correction Factor	1	(incl. charger and equipment)	

NOTE: Dehydrators operate with AC power

Hours Reserve 2 4 6 8 12 24 Amp-Hour multiplier 2.8 4.7 6.4 8.0 10.9 19.3

Sample IP Plan

	EQUIP	MENT	Ä	CES	S&	Ö	FIG	URATION									Addition	Additional Radio		DATES				STA	TUS	
STENAM. Ste Asid ess. Vendar Companed	. Vendor	Companed	project					Device Effected P Address	Denke Ethernel Subnet Mask	Userio (Admin)	Password (Admin)	Enable Secret (Admin)	Userii Passevard Eraida Access Harre (Adrim) (Adrim) (Adrim) (Adrim) (Adrim) (Adrim) (Adrim) (Adrim)	System Nume (Hostname FOON)	Read SHMP Comm. String	Witte SHMP Corms, String	Poer Site Harre Radio A Far End Radio Sito)	White Poor Site Herre Poor Site Herre SIMP Radio A Fer End Badio B (Fer End Corres. Radio Site) Radio Step Strang	Display Harre Provision Ma Rarre)	Device Matrix Date	Provision Insertion	Leanch	Element Update Date	Element	Current SW Revision	Booke Provision Lauch Universi Escreet SVV Desicain Materiale Investion Date Update States Registern Provision
Prin ceton	Aviat		MA	NA	Yes	Yes	Yes A	10.0.0.1	255, 255, 255, 240 (/28)	default	default	default			terminal	terrainal	Turquoise			11/20/2014						NJA
Turquoise	Aviat		MA	Z,	MA	Yes	Yes h	1A 10.0017	255,255,255,240 (/28)	default	default	default		e di	terminal	terminal	Princeton	Tennessee Pass		11/20/2014						N/A
Turquoise	Asentria	SiteBoss 5550-6 NA NA Yes Yes NA	NA	N.	Yes	Yes	NA N	1A 10.0.018	10.0.018 255.255.240 (/28) default default default	default	default	default		::47f	public	public private				11/20/2014						N/A
Tennessee Pass	Avist		MA	N.	MA	Yes	Yes A	1A 10.0.033	255, 255, 255, 240 (/28)	default	default	default		-(5)	terminal	terminal	Turquoise			11/20/2014						N/A
				***	-	-	414	40000	THE OWN DESCRIPTIONS	defendant.	A sales in	A seconds			A 10 A 10 A					a a damp damp a						

14. Additional Services

After a comprehensive field and site survey was conducted, it was determined additional services were needed. The microwave sites will need to operate with both the old and new systems during the system cutovers, additional waveguides are needed to minimize emergency communications downtime during system cutover. The following additional services were submitted to the County that addresses the hardware and services required as per the final design agreed upon by the County and Contractor. As part of this engagement, Contractor provided a more comprehensive design that incorporates data from field surveys. The final design was prepared and reviewed by the County. Adjustments were made to optimize the design and meet the County's requirements. The additional services reflect the services required to buildout the network per the County's direction and requirements.

Contractor to provide the following services that are hereby added to this agreement.

- To replace the microwave dehydrators, and to include additional waveguide equipment and services
- To supply and install spur site replacement batteries and rectifiers at the various radio sites
- To add Skylawn Radio Communication Site to San Mateo Police Department (SMPD) Link
- To supply and install changes in hardware/equipment. Refer to Revised Exhibit D (Rev. 09/12/23) - Aviat U.S., Inc. List of Descriptions of Equipment and Services for further details
- To supply and install additional hardware for parallel operations on spurs using expansion port on new radio paths for: North Peak to Pigeon Point and Foster City to Brisbane

Skylawn Radio Communications Site to SMPD Link

- Radio Integration
- Vendor integration
- Documentation and drafting
- Network system engineering
- Project/Site engineering
- Path survey
- Program management including site survey
- Field installation to include wiring and testing
- Pickup, decommission, and recycling
- Warehousing
- Manlift for accessing monopole at Skylawn site
- Crane to get wall mounts to EPA rooftop
- Manlift for accessing tower at Daly City site
- Manlift for Sweeny Ridge site
- Provide new conduit for tower to Shelter at Sweeny Ridge
- Additional installation services for parallel operation on Pescadero to North Peak path

Additional installation service for 2300 ft of extra waveguide

Any additional services and change orders, requested, and approved by the County, not included in this Agreement, shall be quoted on as needed basis. Any additional services and change orders will be submitted by the Contractor and must be pre-approved by the Chief Information Officer (CIO), or CIO's designee in writing, prior to commencing work. A fully executed amendment to this Agreement is required prior to any additional services and change orders.

The methods and techniques used to provide the services indicated herein to the County are within the Contractor's discretion, but subject to the County Information Services Department's technology policies, guidelines, and requirements. The amount of time, specific hours, and location of the performance of Contractor's services are left to the Contractor's discretion provided that the Contractor coordinates with County Information Services Department as needed.

Revised Exhibit B (Rev. 09/12/23)

PAYMENTS, RATES, AND INVOICING

In consideration of the services provided by Contractor described in Revised Exhibit A (Rev. 09/12/23) and subject to the terms of the Agreement, County shall pay Contractor based on the following fee schedule and terms:

Milestone Description	<u>Amount</u>
Milestone 1: Path and Site Surveys and 20% of Radio Equipment	\$633,734.28
Milestone 2: Design Freeze and 25% of Radio Equipment	\$638,407.43
Milestone 3: Product Training	\$42,375.00
Milestone 4: Completion of Shipment of all Equipment, Confirmation of Receipt of all Equipment, and Successful Factory Testing of all Equipment	\$3,635,334.65
Milestone 5: Installation of Radios on the Ring	\$798,024.90
Milestone 6: Installation of Spur Radio Links	\$988,505.05
Milestone 7: System Acceptance	\$468,635.20
GRAND TOTAL	\$7,205,016.51

Partial Release EQUIPMENT LIST PRODUCT CODE UNIT QTV PRICE QTV PRICE G33,734.28 638,407.43 42,375.00 3,635,334.65 798,024.90 988,5		BREAKDOWN OF MILESTONES (Rev. 09/1	2/23)		ev	STEM	eve	STEM		YSTEM	633,734.28	638,407.43	63.039.00	3.165.494.65	798,024.90	795,250.95	357.480.80	6.451.432.00
TIEN DECRPTION	Release	EQUIPMENT LIST	PRODUCT CODE	UNIT										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				, , , , , , , , , , , , , , , , , , , ,
1,000 1,00			PART NUMBER	PRICE				THOE	Delta	(Revised -	Milestone 1: Path and Site Surveys + 20% Radio	Milestone 2: Design Freeze + 25% Radio	Milestone 3: Aviat Product	Milestone 4: Successful Factory Testing & Shipment of	Milestone 5: Installation of all Radios	988,505.05 Milestone 6: Installation of Spur Radio Links	468,635.20 Milestone 7: Upon system acceptance:	7,205,016.51 Balance
1,000 GHz, Filter-con-ACCP EVZD6-AEL-AED-110000 T78-B000 2 35,066.00 2 30,068.00 0 . 0,009.00 7,100.00 1,052.50	1.0020	U6 GHz, Filter-non ACCP	EV206-AMT-AM0-410000	12,654.00	4	50,616.00	4	50,616.00	0		10,123.20	12,654.00		27,838.80				-
BIRDOOM REFECT ASYN REP 110E, Flast on ACCP COLUMN	1.0030	IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP U6 GHz, Filter-non ACCP	EV206-AEU-AE0-410000	17,848.00	2	35,696.00	2	35,696.00	0	-	7,139.20	8,924.00		19,632.80			-	-
1000-MRE MORE CAST VIRIBED TX SWITCH FTR SP-PF 10-5-11 100-000 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-0000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-000000 1 1 1 10-00000 1 1 1 10-00000 1 1 1 10-000000 1 1 1 10-000000 1 1 1 10-000000 1 1 1 10-000000 1 1 1 10-000000 1 1 1 10-00000000 1 1 1 10-0000000 1 1 1 10-0000000000	1.0040	IRU600v4 RFSEC ASSY NP, IF TR EHP 11 GHz, Filter-non ACCP	EV202-AEB-000-410000	10,016.00	3	30,048.00	3	30,048.00	0		6,009.60	7,512.00		16,526.40			-	
1.000 GMT, Filteron ACCP Company Filter Filt GMT, Filter Fil	1.0050	MHz	EV202-AEB-000-418000	10,405.00	1	10,405.00	1	10,405.00	0	-	2,081.00	2,601.25	-	5,722.75			-	
10070 On ACCP 10070 ON ACC	1.0060	GHz, Filter-non ACCP	EV207-AMC-AM0-410000	13,221.00	2	26,442.00	4	52,884.00	-2	(26,442.00)	10,576.80	13,221.00		2,644.20	-		-	
1000 Note ACCP 90 MHz	1.0070	non ACCP	EV205-AEB-AEB-410100	18,985.00	2	37,970.00	2	37,970.00	0		7,594.00	9,492.50	-	20,883.50			-	
101000 MSR Brados 11 GHz		non ACCP, 80 MHz IRU600v4 RFSEC ASSY 1+0 REPEATER, IF TR EHP 11 GHz, Filter-		19,763.00	2	39,526.00	2	39,526.00	0	-	7,905.20	9,881.50		21,739.30		-		-
10110 105-11 GHz, Filter-one ACCP		MSHB radios 11 GHz	EV205-AEB-AEB-418100	19,374.00	3	58,122.00	3	58,122.00	0	- :	11,624.40	14,530.50		31,967.10			-	-
10111 [0.511 GHz, Filmsons ACCP EV06-AHC-AM0-10000		IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP	EV206-AMC-AM0-410000	12,654.00	21	265,734.00	21	265,734.00	0	-	53,146.80	66,433.50		146,153.70		-	-	-
1.0120 CHZ. Filles-Fine-ACCP	1.0111	10.5-11 GHz, Filter-non ACCP	EV206-AMC-AM0-410000	44,599.00	0		0	-	0	-	-	-		-		-	-	
October Content Cont		GHz, Filter-non ACCP	EV206-AEB-AE0-410000	17,848.00	6	107,088.00	4	71,392.00	2	35,696.00	14,278.40	17,848.00		74,961.60	-		-	-
1/16/6 RPTERMANN) WG EXT KIT IRUGOV 3 GHZ SH3-PO3, 1+0MHSB 1ANT, 179-530135-B0201 1,379.00 1		WG EXT KIT IRU600 V3 6GHZ SH1-PO1, 1+0/MHSB 1ANT, RPTR(MAIN)	179-530135-AA101	355.00	3	1,065.00	4	1,420.00	-1	(355.00)	284.00	355.00		426.00		-		-
1/16/6 RPTR[MANN) WG EXT KIT IRUBOV 3 GHZ SH4-PO4, 1-0MHSB 1ANT. 179-530135-DD401 1,445.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.0150	RPTR(MAIN)	179-530135-BB201	1,021.00	2	2,042.00	1	1,021.00	1	1,021.00	204.20	255.25		1,582.55			-	
1.0170 RPTERMANN 170 RPS0135-DO401	1.0160	RPTR(MAIN)	179-530135-CC301	1,379.00	1	1,379.00	1	1,379.00	0	-	275.80	344.75	-	758.45			-	
WG EXT KIT RUBOV 31 TIGHZ SHI-PO1, 1+0MHSB IANT, 179-530135-AA121 312.00 22 7,176.00 22 6,864.00 1 312.00 1,372.80 1,716.00 . 4,087.20		RPTR(MAIN)	179-530135-DD401	1,443.00	0		0		0	-		-	-				-	
1,0000MG EXT KIT RUB00 V3 TIGHZ SH-POT, 2-0FD, RPTR (RPTR)		WG EXT KIT IRU600 V3 11GHZ SH1-PO1, 1+0/MHSB 1ANT,			0				<u> Г</u>	· · · · ·			-				-	
1.0210 RPTFRMANN 179-S30135-B8221 1.086.00 8 8.258.00 7 7.46.20 1 1.086.00 1.482.40 1.885.50 5.770.10 1.022 RPTRMANN 1.022 RPTRMANN 1.024 RPTRMANNN 1.024 RPTRMANN 1.024 RPTRMANNN 1.024 RPTRMANNN 1.		WG EXT KIT IRU600 V3 11GHZ SH1-PO1, 2+0/FD, RPTR (RPTR)			23 7		22 8		-1				- :		- :		-	
10200 RPTR[MANN) WG EXT KTI RILEGO V3 11GHZ SH4-PO4, 1+0MHSB 1ANT, 1.0200 RPTR[MANN) WG EXT KTI RILEGO V3 11GHZ SH4-PO4, 1+0MHSB 1ANT, 1.0200 RPTR[MANN) WG EXT KTI RILEGO V3 11GHZ SH4-PO4, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH2-PO2, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH2-PO2, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH2-PO2, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH1-PO1, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH1-PO1, 1+0MHSB 2 ANT, 1.0240 MHSB.SD WG EXT KTI RILEGO V3 11GHZ SH1-PO1, 1+0MHSB 2 ANT, 1.0250 WWenguide elentration bracket 1.0	1.0210	RPTR(MAIN)	179-530135-BB221	1,066.00	8	8,528.00	7	7,462.00	1	1,066.00	1,492.40	1,865.50		5,170.10				
1,023 RPT FRAMAN) 179-530135-DD421 1,393.00 3 4,179.00 0 - 835.89 1,044.75 2,286.45 1,044.75	1.0220	RPTR(MAIN)	179-530135-CC321	1,371.00	4	5,484.00	6	8,226.00	-2	(2,742.00)	1,645.20	2,056.50	-	1,782.30	-			_
179-530135-BB223 1,770.00 1 1,770.00 0 .356.00 442.50 .973.50 . WG EXT MT IRUR00 V3 11GHZ SH1-PD1, 1+0MHSB Z ANT. 179-530135-AA123 734.00 2 1,468.00 1 734.00 1 734.00 146.80 183.50 . 1,137.70 . 1 1.0250 MHSB.SB.D	1.0230	RPTR(MAIN)	179-530135-DD421	1,393.00	3	4,179.00	3	4,179.00	0		835.80	1,044.75		2,298.45				-
1 (2506 MH/SB/SBO 178-30135-A4123 734.00 2 1,468.00 1 734.00 14.86.0 185.50 - 1,137.70 - 1 (2506 MH/SB/SBO 178-2005) 179-30135-A4123 734.00 2 1,468.00 1 734.00 14.86.0 185.50 - 1,137.70 - 1 (2707 EXT BIRKT RT	1.0240	MHSB/SD	179-530135-BB223	1,770.00	1	1,770.00	1	1,770.00	0	-	354.00	442.50	-	973.50			-	-
1,0770 EXT FIRST NT RIVES002 2 SHELE (17%-530088-001 EV/002) 179-530089-001 197-00 5 985.00 1 197.00 4 788.00 394.00 49.25 896.35 1 10.000 EXT FIRST NT RIVES003 3 SHELE (17%-53008-002) 179-530089-002 394.00 3 1,182.00 4 1,578.00 1 394.00 315.20 394.00 472.00 -		MHSB/SD	179-530135-AA123	734.00	2	1,468.00	1	734.00	1	734.00	146.80	183.50		1,137.70				-
1 (1290 EXT BRKT KTIRLE00 4 SHELF (179-53089-003 REVIO2) 179-53089-003 591.00 3 1.773.00 5 2.956.00 2 (1,182.00) 591.00 758.75 443.25	1.0270	EXT BRKT KIT IRU600 2 SHELF (179-530089-001_REV002)			5	985.00	1		4								-	-
1 0300 11 GHz outdoor radio , ODU 600v2 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0					3		5		-1 -2							-		-
10320 00U 800/2, 11 GHz	1.0300			2230	0		0		0		-				-	-	-	
1,0330 (8400611H18) 086-523300-116 248.00 3 744.00 0 148.80 186.00 - 409.20 - AOD RADIO ODUGOV2 1011 GHz Waveguide Transition Kit, WR 90 1,0340 waveguide, LDR 100 flange 179-530502-011 79.00 1 79.00 3 237.00 -2 (158.00) 47.40 59.25 - (27.65) - 1,0350 Remote Mount Bracket Assembly ODU600v2 179-530502-001 58.00 1 58.00 3 174.00 -2 (116.00) 34.80 43.50 - (20.30) -		ODU 600v2, 11 GHz	M-ECH-11	2,987.00	0 6	17,922.00	6	17,922.00	0	- :	3,584.40	4,480.50		9,857.10		:	-	-
1.0340 wereguide. UDR 100 flange 179-530500-011 79.00 1 79.00 3 237.00 -2 (158.00) 47.40 59.25 - (27.65) - 1.0350 Remote Mount Bracket Assembly ODU600v2 179-530502-001 58.00 1 58.00 3 174.00 -2 (116.00) 34.80 43.50 - (20.30) -	1.0330	(840D611H1B)	086-523300-116	248.00	3	744.00	3	744.00	0	-	148.80	186.00		409.20			-	
		waveguide, UDR 100 flange					3		-2						-		-	
	1.0360	·			1		3		-2							-		-
1.0370 0 0 0 0		18 GHz outdoor radio ODU 600v2		- :	0	-	0		0	-					-			
1.0390 ODU 600v2, 18 GHz M-ECH-18 2,987.00 32 95,584.00 0 - 19,116.80 23,896.00 - 52,571.20		ODU 600v2, 18 GHz	M-ECH-18	2,987.00	32	95,584.00	32	95,584.00	l ö		19,116.80	23,896.00	-	52,571.20			É	
Coupler Assy ODU 600V2 . 18 GHz Unequal 6 dB, V and H Pole 086-523300-186 264.00 16 4.224.00 16 4.224.00 0 - 844.80 1,056.00 - 2,323.20 -	1.0400	(840D618H1B)	086-523300-186	264.00	16	4,224.00	16	4,224.00	0		844.80	1,056.00		2,323.20				_
WTM 1004/200 ODU800/2 1823 GHz Wareguide (Transition KIt, WR 179-530500-018 81.00 16 1,296.00 16 1,296.00 0 - 259.20 324.00 - 712.80 -		42 waveguide, UBR220 flange			16		16		0	_					-			
1.0420WRAPPER WTM0000 & ODUBIO/2 RACK MOUNT					15 10		13		-1							-		

	WG EXT KIT ODU600 WRAPPER #2	179-530166-211								753.60	942.00		(1.695.60)				
	WG EXT KIT ODU600 WRAPPER #2 WG EXT KIT ODU600 WRAPPER #3	179-530166-211	1,256.00 1,915.00	0		3	3,768.00 3.830.00	-3	(3,768.00)	766.00	942.00	-	(1,695.60)				-
	NP to MHSB	179-530 166-311	1,915.00	- 0			3,030.00	2	(3,030.00)	700.00	957.50		(1,723.50)	\vdash			
1.0460	IRU600v4 ACU MHSB RX UNEQUAL SPLIT 5.8-U6 GHz. Filter-non	ET206-T-0-410000	\vdash			4				-				\vdash			
1 0470	ACCP	E1206-1-0-410000	1,453.00	ا، ا	5.812.00	al al	5,812.00		I I	1,162.40	1,453.00		3.196.60	1 '	1 /		
		ERE-AU6-401	7.467.00	- 4	29.868.00	4 4	29.868.00	- 0		5.973.60			16.427.40	\vdash			
	RFU, EHP, IRU600v4 IF TR, U6 GHz, 6400-7125 MHz Mis 6, 11 and 18 Ghz kits	ERE-AU6-401	7,467.00	4	29,868.00	4		- 0		5,973.60	7,467.00	-	16,427.40	\vdash			
		470 500400 004	4 050 00	1	2.700.00		-	0	2 700 00	-			2.700.00				
	WG EXT KIT ODU600 WAPPER #2	179-530166-231 179-530089-001	1,256.00	3	3,768.00			3	3,768.00	-	-		3,768.00				-
	EXT BRKT KIT one bracket for each ODU wrapper WG EXT KIT ODU600 WAPPER #3	179-530089-001		15		_		15		-	-						-
1.0510		1/9-530166-331	1,915.00	2	3,830.00			2	3,830.00	-	-	-	3,830.00				-
	WG EXT KIT IRU600 V3 11GHZ SH3-PO3, 1+0/MHSB 2 ANT, MHSB/SD			i J		d l		Ι.						1 '	1 /		
1.0520	IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH. IF TR EHP 11 GHz.	179-530135-CC323	2,594.00	└	2,594.00				2,594.00	-	-		2,594.00				-
				i .l		d l		Ι.	ll					1 '	1 /		
	Filter-non ACCP	EV207-AEB-AE0-410000	19,473.00	2	38,946.00		·	2	38,946.00	-	-		38,946.00				
1.0540	ADAPTER, N-MALE TO N-MALE	018-501627-001	5.00	34	170.00	4		34	170.00	-	-	-	170.00				-
	Eclipse Indoor Unit and Data Cards			- 0		0		- 0	· ·	-	-	-		-			
2.0010	INUe		-	- 0		0		- 0	-	-	-						-
	ECLIPSE, INTELLIGENT NODE UNIT 2RU, INC IDCE, FAN, NCCV3,			il				Ι.	I I					1 '	1 /		
	HIGH OUTPUT	EXX-000-205	1,039.00	60	62,340.00	60	62,340.00	. 0		12,468.00	15,585.00	-	34,287.00	<u> </u>			-
	NODE PROTECTION CARD, HIGH OUTPUT	EXS-002	230.00	60	13,800.00	60	13,800.00	- 0		2,760.00	3,450.00	-	7,590.00	-			-
2.0040	KIT BRACKET 2RU	179-530064-001	10.00	60	600.00	60	600.00	0		120.00	150.00	-	330.00	-		-	-
	Rac Card	EVD 400 000	L	0		9		. 0				-		-			
	RAC 70v2, QPSK-4096QAM, NO XPIC, ACM	EXR-700-002	648.00	138	89,424.00	130	84,240.00	. 8	5,184.00	16,848.00	21,060.00	-	51,516.00	 -			\vdash
	Aux Card and Cables		└	0		_ 0		0			-	-		-			
	AUX, ALARM I/O CARD	EXA-001	203.00	37	7,511.00	37	7,511.00	. 0	-	1,502.20	1,877.75		4,131.05	لنسا			-
2.0090	ALARM I/O HD15 10M WIREWRAP	037-579315-001	56.00	37	2,072.00	37	2,072.00	. 0		414.40	518.00	-	1,139.60	-			\vdash
	M66 Punch-Down Block Kit	179-530132-001	59.00	37	2,183.00	37	2,183.00	- 0		436.60	545.75	-	1,200.65	-		-	-
	Ethernet Card and Cables		⊏نيــــا	0		0		0			-	-			_ =		
2.0120	DAC GE3 GIGABIT ETHERNET SWITCH CARD	EXD-181-002	731.00	111	81,141.00	108	78,948.00	3	2,193.00	15,789.60	19,737.00	-	45,614.40	-	-	-	-
2.0130	CABLE PROT / BRIDGEING GE3, DIRECT FIT, 500mm	037-579461-500	55.00	48	2,640.00	47	2,585.00	1	55.00	517.00	646.25	-	1,476.75				-
1	GIG ETH SFP, OPT MMF 850nm LC 1000BASE-SX, <550M (LM28-		(7	, 7	. 7	4 T	7	I -	ı ⊓				, 7	(7	1 7	. 7	
2.0140	C3S-TC-N) (optional)	079-422662-001	51.00	0	-	0	-	0	-	-	-	-			-	-	-
	XCVR ELECTRICAL GIGE SFP W/LOS 3V3 COM(2 per card)	083-845434-001	86.00	129	11,094.00	126	10,836.00	3	258.00	2,167.20	2,709.00	-	6,217.80	-	-	-	-
2.0160	SFP OPT GIGE 1310nm SMF LC 10KM 0 to 70C	079-422656-001	58.00	4	232.00		-	4	232.00	-	-	-	232.00	-	-	-	-
2.0170	NETWORK CONVERGENCE MODULE (NCM)	EXD-400-002	974.00	26	25,324.00	16	15,584.00	10	9,740.00	3,116.80	3,896.00	-	18,311.20	-	-	-	-
	NCM LOOP SWITCH License to support up to 50E1/63T1 TDM circuits	EZF-14	4,870.00	13	63,310.00	16	77,920.00	-3	(14,610.00)	15,584.00	19,480.00	-	28,246.00	1 - 1			-
2.0190	Non Protected DS1 Card and Cables		-	0		. 0		0	- 1	-	-	-			- 1	-	-
2.0200	ECLIPSE, DAC 16XE1/DS1 V3, PROTECTABLE	EXD-161-002	256.00	107	27,392.00	41	10,496.00	66	16,896.00	2,099.20	2,624.00	-	22,668.80	-		-	-
2.0210	HDR-E50 TO 24AWG FREE END 3M	037-579418-003	97.00	0	-	56	5,432.00	-56	(5,432.00)	-	-	-	-	-		-	-
2.0210	2x HDR-E50 TO Y JOIN TO 24AWG FREE END 3.5M	037-579408-003	237.00	116	27,492.00		-	116	27,492.00	1,086.40	1,358.00	-	25,047.60			-	-
	Non DS3 Mux Card to interconnect loop INUe to Spur INUe on rings		-	-													
2.0220			1 1	. 0		. 0		0		-	-			1 - 1			-
2.0230	DAC 3XE3/DS3M, MUXED TO E1/DS1 BUS	EXD-331-001	373.00	0		20	7,460.00	-20	(7,460.00)	1,492.00	1,865.00	-	(3,357.00)		-	-	-
	CABLE, TRIB, E3/DS3, UNBALANCED SLIM-LINE BNC TO SLIM-LINE		$\overline{}$	$\overline{}$													
2.0240	BNC, 5 METERS	037-579249-001	35.00			40	1,400.00	-40	(1,400.00)	280.00	350.00		(630.00)	1 - 1	1 . /		-
2.0250	Non protected DS3-3 Mux Card to interconnect loop INUe			0		. 0		0		-	-	-					-
	DAC 155oMv3, 1XSTM1/OC3 MUXED TO 63E1/84DS1, OPTICAL (NO																1
2.0260	SFP)	EXD-155-001	1,000.00	24	24,000.00	24	24,000.00	0		4,800.00	6,000.00		13,200.00	1 . !			
2.0261	SFP OPT STM-1/OC3 1310nm SMF LC 15km 0 to 70C	079-422657-001	- 1,000	24	-			24		-	-	-	-			-	-
2.0270	SIMPLEX 3M SM LC TO LC (037-579131-001 REV004)	037-579131-001	11.00	26	286.00	48	528.00	-22	(242.00)	105.60	132.00	-	48.40			-	-
2.0280	SIMPLEX 10M SM LC TO LC (HTX1001LCLC000010 REV S1)	037-579133-001	13.00	8	104.00			8	104.00				104.00				-
	XCVR OPT MULTIMODE SFP 3V3, 850 nm, 125 Mbps Fast Ethernet			$\overline{}$										-			
2,0290	(LM28-A3S-TC-N)	079-422661-001	95.00	i o		4 1		0	j . I				!	(!	1 . !	!	
	CABLE, OPTICAL JMPR, LC-SC, SM-DUP, 9/125UM, 10M/32.8FT (203-							ı	\vdash								
2,0300	3700-010/3MI)	LOC-203-3700-010/3MI	22.00	. 8	176.00	4 1		8	176.00				176.00	(!	1 . !	!	
2.0310	Software and Licenses			0	-			0	1	-	-			-			
	IRU 600 high power license		-	, i				l ö		1							
	IRU600 600 High power option 1 x RFU	EZF-61	974.00	, i				0	 . 					-			
	IRU600 600 Nodal High power option 2 x RFU	EZF-62	1.948.00	3	5.844.00		11.688.00	-3	(5.844.00)	2.337.60	2.922.00	- :	584.40				
	IRU600 600 Nodal High power option 4 x RFU	EZF-64	3,896.00		0,044.00	1 1	11,000.00	1 0	(0,044.00)	2,007.00	2,022.00	- :	55-40				
2 0360	ODU 600 high power license	LD -04	0,000.00				-	1 6		- :	- : 1	- :		- :	-		\vdash
2.0370	ODU 600 Nodal High power option 2 x ODU	EZF-52	974.00	10	9.740.00	10	9,740.00	l n	\vdash	1.948.00	2.435.00	- :	5.357.00	H :	-		-
2.0370	ODU 600 Nodal High power option 4 x ODU	EZF-54	1.948.00	3	5,740.00	1 3	5,844.00	1 0	-	1,168.80	1,461.00		3,214.20	-	-		
	Capacity License	LL -04	1,040.00	, ,	0,044.00	1 1	0,044.00	l š		1,100.00	1,401.00	- :	0,217.20				\vdash
2 0410	50 Mbps Node radio capacity License	EZE-08001	98.00	20	2.842.00	20	2.842.00	l n		568.40	710.50	- : 1	1.563.10	-			\vdash
2.3410		LEC-00001	33.30		2,042.00	- 20	2,042.00	ı	-	555.40	, 10.00		1,000.10	-	-		
2 0420	NODE SW LICENSE, 100 Mbps TOTAL RADIO PAYLOAD CAPACITY	EZE-08002	406.00	44	4.466.00	44	4,466.00	۰.	. I	893.20	1.116.50		2.456.30	1 . !	1 . !		
2.3420	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL CAPACITY	LLL-0000L	400.00	- "	4,400.00	1 "	4,400.00	ı		000.20	1,110.00		2,700.00	\vdash			\vdash
2 0420	NODE SW LICENSE, 300 Mbps TOTAL RADIO PAYLOAD CAPACITY	FZF-08005	2.435.00	47	41,395.00	40	43,830.00	I 4	(2.435.00)	8,766.00	10,957.50		21,671.50	(!	1 !	!	l I
2.0430	NODE ON EIGENOE, GOURNINGS TO THE RADIO PATEOAD GAPACITY	EEE-30003	2,435.00		41,395.00	19	45,830.00	- "	(2,435.00)	0,700.00	10,957.50		21,0/1.50				-
2 0440	NODE SW LICENSE, 400 Mbps TOTAL RADIO PAYLOAD CAPACITY	EZE-08006	3.247.00	ا ا	9.741.00		6.494.00		3.247.00	1,298,80	1.623.50		6.818.70	1 !	1 !	!	
2.0440	NODE SWEEGENSE, 400 MIDDS TOTAL RADIO PATEUAD CAPACITY	EZE-UOUUD	3,247.00	3	9,741.00	4 4	0,494.00	- 1	3,247.00	1,290.80	1,023.50		0,010./0				+
0.000	NODE SW LICENSE, 800 Mbps TOTAL RADIO PAYLOAD CAPACITY	EZE-08007	3.896.00	ا. ا		4 1		١.	ı I	I		I	, ,	('	1 !	. !	I
				0	FO 200 00	4	FO 200 00	- 0	\vdash	44.070.00	44 505 00	-	20.400.00				
2.0460	SECURE MANGEMENT, INU, inc SNMPV3 NODAL	EZF-03	973.00	60	58,380.00	60	58,380.00	- 0	⊢	11,676.00	14,595.00	-	32,109.00				
	LICENCE UPGRADE EZE-08001 TO EZA-08002 50 Mbps TO 100	EZA-08002-LU1	(1	i .l		4 1		Ι.	ı I	I		I	, ,	('	1 !	. !	I
2.0470	Mbps	EZA-08002-LU1 037-502964-0150				+		1	570.01	-	-	-		——			-
	CBL, IF, SMA (M) to SMA (M), RAC-60 to IRU-600 RFU, 150CM		32.00 41.00	18	576.00			18	576.00	-	-	-	576.00	لـــــا			-
2.0490	CBL, IF, SMA (M) to SMA (M), RAC-60 to IRU-600 RFU, 300CM	037-502964-0300		18	738.00	1		10	738.00		-	-	738.00	-			
2.0490	CBL, IF, SMA (M) to SMA (M), RAC-60 to IRU-600 RFU, 300CM CBL, IF, SMA (M) to SMA (M), RAC-60 to IRU-600 RFU, 1000CM	037-502964-0300 037-502964-1000	76.00	18 6	738.00 456.00			6	456.00				738.00 456.00				

2.0510	UPGRADE IRU 600 Nodal High power option 2 x RFU	EZG-62	1,948.00	- 1	1,948.00			1 1	1,948.00				1,948.00				
2.0010	LICENCE UPGRADE EZA-08005 TO EZA-08006 300 Mbps TO 400	E2G-02	1,840.00		1,540.00			_	1,840.00				1,540.00				
2.0511		EZA-08006-LU5	858.00	1	858.00			1 1	858.00		-	-	858.00				_
3.0000	Provision & PV Plus			0			-	0	-	-	-	-				-	-
	Hardware			0				0	-		-					-	
3.0020	ProVision Plus Windows Server, Diamond Level, Rack Mounted	614-100161-005	9,762.00	1	9,762.00	1	9,762.00	0			-		9,762.00			-	-
3.0030	ProVision Plus Windows Server, Diamond Level, Rack Mounted	614-100161-005	9,762.00	- 1	9,762.00	1	9,762.00	0		-	-		9,762.00			-	-
	1U KMM, TOUCHPAD/KEYBOARD/18.5" LED, INCL READYRAILS, 1U KVM MNT KIT (331-9439)	LOC-331-9439						Ι.									
3.0040	Software	LUC-331-9439	1,718.00	0	-	2	3,436.00	2	(3,436.00)	-	- :		-				
	PROVISION SOLUTION PACK - 100 NODES	614-225012-002	12.987.00	1	12.987.00	- 4	12.987.00	- 0					12.987.00				
	STANDBY SERVER - PV SOLUTION PACK - 100 NODES	614-625012-002	1.624.00	1	1.624.00	2	3.248.00	-1	(1.624.00)	-	- :	- :	1.624.00	- :	- :		
	ProVision Plus EM Integration for ProVision Module Perpetual		.,		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	0,2.0.00		(1,02,000)				1,021.00				
3.0080	Technology License	276-111001-001	16,233.00	1	16,233.00	1	16,233.00	0	-	-	-	-	16,233.00		-		-
3.0090	ProVision Plus High Availability Module Technology License	276-902001-001	22,727.00	1	22,727.00	1	22,727.00	0	-	-	-		22,727.00			-	-
	ProVision Plus EM & CE & IP/MPLS Fault & Performance & Provisioning							ı	I I								
3.0100	Technology License Bundle	276-801005-001	50,322.00	- 1	50,322.00	1	50,322.00	0	-	-	-	-	50,322.00	-	-		-
2 0110	ProVision Plus EM & CE & IP/MPLS Fault & Performance & Provisioning CTR 8740 Device License Bundle	276-802005-002	998.00	26	35.928.00	22	31 936 00	Ι.,	3.992.00				35.928.00				
	PROVISION GDS PACKAGE, RAD MEGAPLEX 4100 V1.1	614-700470-001	1,624.00	30	35,926.00	32	1,624.00	-1	(1,624.00)	-			35,926.00	-	- :		
	PROVISION CUSTOMIZED DEVELOPMENT - 1 CLOK	614-550200-001	8,295.00	0		1	8,295.00	-1	(8,295.00)	-		- :	- :	-			
3.0140	PROVISION GDS PACKAGE, Microsemi TimeProvider 4100 V1.0	614-700461-001	2,288.00	1	2,288.00	1	-	1	2,288.00	-	-		2,288.00				
	KVM CONSOLE, CONSISTS OF KEYBOARD, 19" LCD MONITOR, 8-																
	PORT SWITCH, IP REMOTE ACCESS, 4-POST RACK MOUNT							ı	I I								
	(OPTIONAL MOUNTING BRACKET 614-100137-002 TO MOUNT ON 2-							ı	l I								
2.0450	POST RACK), 19", 1 RU, 120-240 VAC INPUT, 50/60 HZ, C13 TO 5- 15P POWER CORD (B020-U08-19-IP)	614-100137-001	2.043.00		4.086.00			Ι.,	4.086.00				4.086.00				
3.0150	MOUNTING BRACKET, 2-POST RACK MOUNT BRACKET FOR 614-	014-10013/-001	2,043.00	- 2	4,000.00	-		 '	4,000.00		-		4,000.00	— <u> </u>			-
3.0160	100137-001 KVM CONSOLE (B019-000)	614-100137-002	129.00	2	258.00				258.00				258.00				
	PROVISION GDS PACKAGE, LOOP AM-3440-A /-C /-E	014-100107-002	.25.50		200.00			T - 1	200.00	<u> </u>			200.00				
3.0170	MULTIPLEXERS, V1.1	614-700091-001	1,716.00	1	1,716.00		-	1	1,716.00	-	-	-	1,716.00	-			-
	PROVISION GDS PACKAGE, LOOP TELECOM V4150																
3.0180	MULTIPLEXER, V1.2	614-700092-001	2,288.00	1	2,288.00			1	2,288.00	-	-		2,288.00				-
	PROVISION GDS PACKAGE, ELTEK SMARTPACK, FLATPACK							Ι.									
3.0190	POWER SYSTEMS, V1.9 MPLS router	614-700070-001	2,288.00	1	2,288.00			1 1	2,288.00	-			2,288.00	- :		-	-
	CTR 8740		-	0		_		- 0		-	-	-					
4.0010	CTR 8740 microwave router, MPLS, CE, L1LA and PTP-TC capable.			·				_ ·	-			-		-			
	Includes 3x 10G SFP+ cage, 8x 1G SFP cage, 4x 1G RJ45, fan							ı	l I								
4.0020	assembly, SD card and BASE software	CTE-740-001	2,536.00	0	-	32	81,152.00	-32	(81,152.00)	-	-	-	-		-	-	-
4.0030	SFP OPT GIGE 1310nm SMF LC 10KM 0 to 70C	079-422656-001	58.00	36	2,088.00	32	1,856.00	4	232.00		-		2,088.00			-	
	GIG ETH SFP, ELEC RJ45 1000BASE-T, CTR ONLY (with RX_LOS)																
	(LX1801CNL-AAN)	083-845537-001	87.00	288	25,056.00	228	19,836.00	60	5,220.00	-	-		25,056.00	- :	-		-
4.0050	CTR 8700 Series R3 MPLS Software License CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE	CZL-67350	1,827.00	36	65,772.00	32	58,464.00	4	7,308.00	-	-	-	65,772.00	-	-		-
4.0060	PER CHASSIS)	CZF-67060	585.00	36	21,060.00	32	18,720.00	I 4	2,340.00				21,060.00				
4.0000	CTR 8700 HIGH AVAILABILITY SWITCH / ROUTER WITH RADIO		555.55	- 00	21,000.00	02	10,720.00	_	2,040.00				21,000.00				
4.0070	PROTECTION (ONE LICENSE PER CHASSIS)	CZF-67125	710.00	36	25,560.00	32	22,720.00	4	2,840.00	-	-	-	25,560.00	-	-	-	-
	Cable, QSFP-DD to QSFP-DD, Diversity cable, 1.0M (C45593-A571-																
4.0080		037-579807-001	322.00	18	5,796.00	24	7,728.00	-6	(1,932.00)	-	-	-	5,796.00		-	-	-
4,0000	DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+,	007 570000 005	70.00		4 070 00		4 700 00	١.	144.00				4.070.00				
4.0090	10GBPS, 500mm	037-579820-005	72.00	26	1,872.00	24	1,728.00	²	144.00	-	-	-	1,872.00	<u> </u>			-
	CTR 8740 microwave router, SR-MPLS, High Availability capable. Includes 3x 10G SFP+ cage, 8x 1G SFP cage, 4x 1G RJ45, fan		 	I				ı	I					l			
4,0100	assembly. SD card and BASE software	CTE-740-002	2.536.00	36	91,296.00			36	91,296.00				91.296.00				_
	Rack and Installation materials		-	0			-	0		-		-	,	-		-	-
	RACK ASSY CRATED, 7' CHATSWORTH ALUMINUM, 1 BREAKER																
5.0010	PNL W/10 BLANK COVERS AND NO BREAKERS	179-530307-0113	1,596.00	41	65,436.00	42	67,032.00	-1	(1,596.00)	-	-	-	65,436.00	-			-
	Zone 4 Earthquake Kit, 19" Rack (AV179-530123-001WA)	179-530123-001	421.00	43	18,103.00	42	17,682.00	1	421.00	-		-	18,103.00	-		-	-
5.0030	CUSTOM WAVEGUIDE KIT COMPLEXITY 1	WGKIT-1000	418.00	0	-	5	2,090.00	-5	(2,090.00)		-	-	-		-		-
5,0040	Installation Kit, Aluminum Rack, Concrete Floor (Included in services)	179-530119-001	561.00	4	561.00			I 4	561.00		. I		561.00	Ι.	i .		
3.0040	COMMON BREAKERS & BLANKING PLUGS PER RACK PER	178-030118-001	301.00	- '	301.00			<u> </u>	301.00				301.00	<u> </u>			
5.0050	DRAWING	COMMON-BREAKERS-RACK	86.00	43	3,698.00	42	3,612.00	I 1	86.00				3.698.00				-
5.0060	SIPQ-CABLES (100 \$ per rack)	SIPQ-CABLES	70.00	43	3,010.00	42	2,940.00	1	70.00	-	-	-	3,010.00			-	-
	GROUND BAR, KIT, RACK, R56 COMPLIANT, 72 INCHES L X 5/8																
5.0070	INCHES WIDE X 1/4 INCHES DEPTH (TRGBVKIT145872AWA)	LOC-TRGBVKIT145872W	496.00	43	21,328.00	42	20,832.00	1	496.00	-	-	-	21,328.00	-	-	-	-
	CHANNEL MOUNTING, FORWARD, U-SHAPE, 4 INCHES LONG	ı .		I				ı	j l					l	i .		
E 0000	(FORWARD) X 5/8 INCHES WIDE X 1.75 INCHES HIGH (1 RU) (020- 018475-005 REV001)	020-018475-005	22.00	400	2 067 00	126	2 000 00	١.	69.00				2 067 00	l	i .		
5.0080	RACK ASSY CRATED, 7' CHATSWORTH ALUMINUM, 2 BREAKER	020-010475-005	23.00	129	2,967.00	126	2,898.00	<u> </u>	69.00		-		2,967.00	<u> </u>			-
5,0090	PNL W/10 BLANK COVERS AND NO BREAKERS	179-530307-0123	2,134.00	2	4,268.00			,	4,268.00				4,268.00				_
	DS1 Jackfield for T1 Demarcation			0	.,222.00		-	1 0		-	-	-	.,	-		-	-
	JACKFIELD, LOADED 64 DSX-1 CIRCUITS (TERMINATIONS), TOTAL																
	REAR WIREWRAP, 1-32A AND 1-32B. FLUSH MOUNT, 2", 3", 4"	ı .	 	I				ı	j l					l	i .		
I	RECESS. 19" OR 23" WIDTH, 3 RU, 8" DEPTH, -48VDC, COLOR		 	I				ı	I I					l	i .		
6.0010	PUTTY (DI-D2GU1)	CNI-SA-2115-2001	1,584.00	0	-	1	1,584.00	-1	(1,584.00)	-	-	-	-	-			-
6.0020				- 0					1	-	-	-					

			l .	l	l				I .								l
	DS1 JACKFIELD, FIXED, NO INTERNAL CROSS-CONNECT,		l .	l	l				I .								l
	LOADED 28 CIRCUITS, 1 RU, 19" OR 23"W, 9"D, FRONT RJ48X		I .	l	l				I .				l .		l I		
	INCLUDES AUTOMATIC LOOP BACK FUNCTION, REAR WIREWRAP, NO POWER INPUT (097-0128-0006 T1 DEMARCATION		l .	l	l				I .								
		11011 BOW SOR BUG						I							l I		
6.0030	CUSTOMER INTERFACE PANEL EQUIVALENT) (DSX-28P-RJ48)	NSM-DSX-28P-RJ48	1,159.00	51	59,109.00	40	46,360.00	11	12,749.00	-	-	-	59,109.00			-	-
6.0040	4100 Microsemi GPS Clock			0				- 0	· ·			-				_	
	CLOCK, PRECISE TIMING GATEWAY CLOCK, TP4100 BASE UNIT	SYM-090-14000-003		l .	l			I .					l .		l I		
6.0050	WITH RUBIDIUM (090-14000-003)	0.41.000.15000.005	13,823.00	0	·	1	13,823.00	-1	(13,823.00)	-		-		-			-
	ANTENNA AND CABLE KIT, FOR PRECISE TIMING GATEWAY	SYM-990-15202-225	l .	l	l				I .								l
0,000	CLOCK TP4100, CABLE 200FT, LIGHTNING ARRESTOR KIT AND		4 400 00		4 400 00	ا اا	4 400 00						4 400 00				l
6.0060	ANTENNA NTP Reflector LicenseNSM-920-14000-001	NSM-920-14000-001	1,409.00	1	1,409.00	1	1,409.00	0		-		-	1,409.00	- :			-
6.0070		NSM-920-14000-001	-						-			-					-
	CLOCK, PRECISE TIMING GATEWAY CLOCK, TP4100 BASE UNIT WITH RUBIDIUM and E1/T1		l .	l	l				l								l
6 0080	module (090-14001-003)	LSNetwork(SYM-090-14001-003)	13.823.00		27.646.00				27.646.00				27.646.00		l I		
6.0090	MODULE (U9U-14UU1-UU3) ETHERNET SFP MOD SNGL-MODE OPTL (121-20621-10-2)	SYM-121-20621-10-2	294.00				-	- 4	588.00			-	588.00				-
6.0090	SFP 100/1000 electrical	LSNetwork(SYM-121-20621-12-2	294.00	2	588.00 588.00			2	588.00			-	588.00	- :	- :		-
	HARDWARE	LSNetWORK(STM-121-20021-12-2	490.00	- 4	300.00		-	- 2	300.00	-	-	_	300.00	-	-		-
6.0110	NARDWARE		490.00	- 0	<u> </u>			U	-	-				-	-		-
	Includes Protected Controller and Dower supply Non Protected T1		l .	l	l				l								l
	Includes Protected Controller and Power supply. Non Protected T1 cards to support 64 T1's.				I					i I							
6.0120	ourse to support off 110.	LSNetwork(TBD)	30,345.00		I	₁	30,345.00	I 4	(30,345.00)	i i					l !		
6.0130		LONGWOIK(TDD)	30,343.00	0		H '	30,343.00	-1	(30,343.00)		- :	-		- :	-		
6.0140	LOOPS DACS V4150- Protected		_	9	— ·		- :	- 0	— —								-
6.0150	DACS Main Chassis 6U high, w/o power, CPU	LSNETWORK(V4150-CHA)	1,876.00	1	1,876.00			1	1,876.00	-			1 876 00	- :	- :		
6.0150	Controller (dual) with SNMP	LSNETWORK(V4150-CHA)	5.230.00	3	15.690.00		- :	3	15.690.00		-	- :	15.690.00	- :	- :		
6.0170	Connector Board (required)	LSNETWORK(V4150-CCA)	525.00	3	1.050.00			2	1.050.00				1.050.00				
6.0170	Fan Board	LSNETWORK(V4150-CBA)	1.012.00	2	2.024.00		- :	2	2.024.00				2.024.00	- :	- :		-
6.0190	Single 48VDC Power	LSNETWORK(V4150-SD48)	425.00	3	1,275.00			3	1,275.00	-		-	1,275.00	-	— — — — —		\vdash
6.0200	63 T1 interface card	LSNETWORK(V4150-63TE)	4,291.00		21,455.00				21,455.00	<u> </u>			21,455.00				- 1
0.0200	oo i i mamaaa aalu	LSNETWORK(ACC-Y-2SCSI-	4,201.00	-	21,453.00			— "	21,400.00	<u> </u>			21,400.00	_ ·			
6 0210	16 Port Y-Box for card protection, 16 in 32 out ,RJ48C Connectors	16RJ-G)	362.00	6	2.172.00			6	2.172.00				2.172.00				
6.0220	SCSI Cable, Y box to 32TE Card	LSNETWORK(Loop-ACC-CAB-)	202.00	12	2,424.00			12	2,172.00	.		- 1	2,172.00		— — — — —	-	⊢
	Mapping/Documentation GUI Software, per controller	NSM-MAP41	1,287.00	2	2,574.00			2	2,424.00	—			2,574.00		— — — — —		⊢
	Extension of warranty to 3 Years	NSM-WARRANTY3	2,028.00	1	2,028.00		-	1 1	2,028.00	-	-	-	2,028.00	- :	- :		
6.0250	and a second sec		2,020.00	i	2,020.00		- :	Ó	2,020.00	-	- :	-	2,020.00		- :		1
6.0260	LOOPS DACS 3340 Protected			0			-	0	-			-		-			
5.5200		LSNETWORK(AM3440-CHPCa-		ľ	<u> </u>			_		<u> </u>						,	t 1
6,0270	Main Chassis 3U high, w/o power, CPU	G)	1,602.00	1	1,602.00			1 1	1,602.00	l .	_		1,602.00				
5.5270	a	LSNETWORK(AM3440-CCPB-	1,002.00	i '	1,002.00			1	1,002.00	<u> </u>			1,002.00				— 1
6 0280	Controller (2 for redundant) with SNMP	2GEA)	3,240.00	3	9,720.00			3	9,720.00	l .	_		9,720.00				
0.0200	CLKa Mini Slot plug-in card, Clock in x2, clock out x1 Alarm in x1, Alarm		0,240.00	·	5,720.00			ľ	5,720.00				5,720.00				
6.0290		LSNETWORK(AM3440-CLKa)	1,012.00	2	2,024.00			2	2,024.00				2,024.00				
6.0300	Single 48VDC Power (2 for redundant)	LSNETWORK(AM3440-SDPB)	812.00	3	2,436.00			3	2,436.00		-	-	2,436.00			-	-
6.0310	Analog Bridge card (2 for redundant)	LSNETWORK(AM3440-ABRA)	1 502 00	5	7 510 00		-	5	7.510.00	-		-	7.510.00	-			
6.0320	Quad T1 Card (2 for redundant)	LSNETWORK(AM3440-4T1)	1,163.00	5	5,815.00			- 5	5,815.00		-	-	5,815.00	-		-	-
6.0330	16 Port protection Y Box	LSNETWORK(VV-T-G)	450.00	1	450.00			1	450.00	-	-	-	450.00	-		-	-
	Mapping/Documentation GUI Interface	NSM-MAP34	358.00	1	358.00			1	358.00			-	358.00			-	
6.0350	Extend Warranty to 3years	NSM-WARRANTY3	1,110.00	1	1,110.00		-	1 1	1,110.00			-	1,110.00	-			
6.0360		_		0	-		-	Ó	-	-	-	-		-		-	
	Training, 10 students, per student, includes study material. Includes								1				i				
6.0370	travel expenses, two days	NSM-TRAINING-10-E	1,001.00	10	10,010.00		- 1	10	10,010.00			-	10,010.00				- 1
	Preconfiguration for both V4150 and AM3440 after documentation	· · · · ·		· ·													
6.0380	provided by customer	NSM-PRECONFIGURATION	4,290.00	1	4,290.00		-	1	4,290.00		-	-	4,290.00			-	
6.1000	1 RU Chassis			0	-		-	0	-	-	-	-		-		-	-
6.1001				0			-	0	-	-	-	-		-		-	-
1	EMPTY CHASSIS, FLATPACK S INTREPID POWER SYSTEM, NO				I			1	[i I					l !		
1	CONTROLLER, -48VDC, REAR ACCESS, 80 AMP MAX, LVBD &				I			1	[i I					l !		
1	SHUNT, 1 RU, 19", MID/FLUSH MOUNT, 3 EMPTY RECTIFIER		ı	ı	I	II I		1	I I	ı			I		I I		1
	POSITIONS, 2 LOAD BREAKER (NOT INCLUDED) POSITIONS, 2				I					i I							
6.1002	BATTERY BRKR (NOT INCL) POS (FPSJ60I-ANL-VC)	ELT-FPSJ60I-ANL-VC	937.00	28	26,236.00		-	28	26,236.00		-	-	26,236.00				
	SMARTPACK S CONTROLLER, FOR FLATPACK S INTREPID, -48																
1	VDC, 100 AMP SYSTEM, 1 RU, SNMP, 6 PROGRAMMABLE DIGITAL				I			1	[i I					l !		
	OR ANALOG SIGNALS INPUTS, 6 PROGRAMMABLE RELAY				I					i I							
6.1003	OUTPUTS	ELT-SPS-FPS100-A01-VV	730.00	29	21,170.00		- 1	29	21,170.00			-	21,170.00				
	RECTIFIER, FOR FLATPACK S INTREPID, 1 RU, 100-250 VAC																
1	INPUT, 48 VDC OUTPUT, 1800 WATTS, 37.5 AMP @ 220 VAC INPUT,				I			1	[i I					l !		
6.1004	20 AMP @ 110 VAC INPUT (241122.125.VC)	ELT-241122.125	626.00	85	53,210.00		- 1	85	53,210.00			- 1	53,210.00				- 1
	FLATPACK S BLANK PANEL FOR EMPTY SLOT	ELT-331E00116500	25.00	0	-		-	0	-	-	-	-					-
6.1006	CIRCUIT BREAKER, 60 AMP PLUG-IN BULLET, MIDTRIP (CBB060M)	ELT-CBB060M	32.00	58	1,856.00		-	58	1,856.00		-		1,856.00		-		_
1	LINE CORD WITH AMP MATE-N-LOCK CONNECTOR AT ONE END				I			1	[i I					l !		
1	AND				I			1	[i I					l !		
6.1007	UNTERMINATED AT THE OTHER END, 12AWG CABLE, 20' LONG	LSNetwork(ELT-LA2012-UU)	119.00	30	3,570.00		-	30	3,570.00			-	3,570.00				-

	DUAL HEADED LINE CORD WITH QTY 2 AMP MATE-N-LOCK																
1	CONNECTORS AT ONE END AND UNTERMINATED AT THE OTHER		I														
	END,		I														
6.1008	10AWG CABLE, 20' LONG	ELT-LC2010-UU	139.00	30	4.170.00			30	4.170.00				4,170.00	-			-
6.1009	PULLER, FOR BULLET BREAKER	ELT-BBPULR-01	49.00	30	1,470.00			30	1,470.00	-	-	-	1,470.00	-		-	-
6 1010	PLUG, NEMA LOCKING L5-20P (3021003372)	LSNetwork(ELT-3021003372)	117.00	28	3,276.00			28	3,276.00		-	-	3,276.00	-		-	
6 1011		ELT-3021001664	117.00	28	3,276.00			28	3,276.00				3,276.00			-	-
	CIRCUIT BREAKER, 100 AMP PLUG-IN BULLET, ELECTRO-				0,210.00				0,2				0,210.00				
6 1012	MECHANICAL (CBB100E)	ELT-CBB100E	40.00	60	2,400.00			60	2 400 00				2,400.00		l .		
6 1013		ELT-217035	364.00	56	20,384.00		-	56	20,384.00	-			20,384.00	-			-
0.1013	BATTERY CABLE KIT, 100A, INCLUDES ALARM CABLE 20 FEET, #4	221-211000	304.00	30	20,304.00			30	20,304.00				20,304.00				
	BLACK WIRE AND LUGS, FOR 4 BATTERY BREAKERS (CONNECT			l 1													
	BATTERIES IN FRONT ONLY) (259576)	ELT-259576											8,310.00				
6.1014	BATTERY STRING INTERCONNECT CABLE, 4 AWG, 3', 1/4" SINGLE	LSNetwork(SOL-BCI-4-3-14)	277.00 49.00	30	8,310.00 1,470.00			30	8,310.00 1,470.00				1,470.00	- :			-
6.1015		LSNetwork(SUL-BCI-4-3-14)	49.00	30	1,470.00		-	30	1,470.00		-	-	1,470.00		-		-
	BATTERY, SET OF 4 X 12V190F BATTERY CELLS, 48V, 190 AH, 8			l 1													
	RU HEIGHT, 4.9" WIDTH/CELL, 22.1" DEPTH/CELL, INCLUDES ALL			l 1													
	INTERCONNECT STRAPS, HARDWARE AND INSTALL MANUAL,			l 1													
6.1016	FRONT ACCESS, NO TRAY (A12V190F)	ENE-A12V190F	3,025.00	0	-		-	0	-	-		-	-		-	-	-
6.1017	48V, (4)SBS190F, 190Ah front terminal battery	LOC-SBS190F	3,025.00	28	84,700.00		-	28	84,700.00	-	-	-	84,700.00	-		-	-
6.1018	WILMORE DC-DC CONVERTER, 48V TO 12V, 30 AMPS	LSNetwork(1502-48-13-30-M3)	2,233.00	7	15,631.00		-	7	15,631.00	-	-	-	15,631.00	-	-	-	-
6.1019	CIRCUIT BREAKER, 20 AMP PLUG-IN BULLET, MID-TRIP	ELT-CBB020M	40.00	32	1,280.00			32	1,280.00			-	1,280.00			-	
	DISTRIBUTION PANEL, QTY 9+9 LOAD BREAKER POSITIONS,				1,200.00				1,200.00				1,200.00				
1	RFAR			l													
1	ACCESS (USING CBB BREAKERS ONLY)		l I			I	I					I			I	I	
1	- INPUT VOLTAGE: +/-48, 24, 12 VDC		l l			I I	I								I	I	
1	- TWO SEPARATE INPUT A AND B BUSS, 300A PER BUS, 3/8"-16		l I			I	I					I			I	I	
1			l l			I I	I								I	I	
1	STUDS		ı	ı	1						l			1	I	I	1
1	ON 1" CENTER		l l			I I	I								I	I	
1	(A JUMPER IS PROVIDED FOR CONVERTING TWO INPUTS TO		l l			I I	I								I	I	
1	SINGLE		ı	ı	1						l			1	I	I	1
1	INPUT)		l l			I I	I								I	I	
1	- OUTPUT: 9 LOAD BREAKER POSITIONS ON BUS A; 9 LOAD			l													
1	BREAKER			l													
1	POSITIONS ON BUS B			l													
1	LANDING: 1/4"-20 STUDS ON 5/8" CENTER			l 1													
1	- DIMENSION: 19"/23" MID MOUNT, 15" DEEP, 2RU HIGH			l 1													
1	- ALARM CONTACT A SIDE / B SIDE			l													
1				l													
6.1020	- WEIGHT: 20 LBS	LSNetwork(DD600R-09A-A-S)	1,760.00	6	10,560.00		-	6	10,560.00	-		-	10,560.00	-		-	
6.1021				. 0				- 0		-	-	-				-	-
6.1021		SVCS-IN-SIPQ-VI	604.00	28	16,912.00		-	28	16,912.00	-		-	16,912.00	-		-	-
6.1022	PROGRAM MANAGEMENT	SVCS-IN-PM-PM	7,717.00	1	7,717.00		-	1	7,717.00			-				7,717.00	-
6.1023	NETWORK/SYSTEM ENGINEERING	SVCS-PN-EN-SE	5,485.00	1	5,485.00			1	5,485.00			-				5,485.00	
6.1024	PROJECT/SITE ENGINEERING	SVCS-IN-SS-PE	7,759.00	1	7,759.00			1	7,759.00							7,759.00	
6.1025	FIELD INSTALLATION, including wiring and testing	SVCS-IN-IC-FI	24,474.00	1	24,474.00		-	- 1	24,474.00	-		-		-		24,474.00	-
6.1026		SVCS-IN-IC-FI	66,924.00	1	66,924.00			- 1	66,924.00	-						66,924.00	
6 1027				0				0	-							-	
6.1028	Freight	FREIGHT	42,848.00	- 1	42,848.00			1	42,848.00				42,848.00				
7.0000		TILLIOITI	42,040.00		42,040.00				42,040.00				42,040.00				
7.0000	Antenna , waveguides and Denydrators			Ů	-			l °									
1	ANTENNA, L6/U6 GHZ, 1.8 M (6FT), SENTINEL, UHP, SUPER HIGH																
1				l													
1	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5.925-7.125,																
	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A,																
7.0010	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH)	AND-USX6-6W-6WH	4,545.00	_ 6	27,270.00	6	27,270.00	0					27,270.00		-	<u>-</u>	-
7.0010	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH) HIGH WIND UPDATE KIT FOR HXE AND USXE ANTENNAS TAKES	AND-USX6-6W-6WH	4,545.00	6	27,270.00	6	27,270.00	0	-	_	-	-	27,270.00	-			-
7.0010	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH) HIGH WIND UPDATE KIT FOR HXE AND USXE ANTENNAS TAKES	AND-USX6-6W-6WH	4,545.00	6	27,270.00	6	27,270.00	0		-	-		27,270.00	-	-	-	-
	XPD, REMOTE MOUNT, DISH (STD. WHITE RAL.9016), 5.925-7.125, RADOME (STD. GRAY), CPRI'37G, DUAL POL, CLASS IVFCC(1014, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH) HIGH WIND UPDATE KIT FOR HXE AND USXG ANTENNAS TAKES SURVIVAL WINDSPEED UP TO 250KMH (SISMPH) (HIGHWIND-6-			6		6		0		-				-		-	-
7.0010 7.0020	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL9016), 5925-7.125, RADOME (STD: GRAY), CPR1376, DUAL POL., CLASS M/FCC1015, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH) HIGH WIND UPDATE KIT FOR KKS AND USX6 ANTENNAS TAKE SURVIVAL WINDSPEED UP TO 250KMH (155MPH) (HIGHWIND-6- KIT)	AND-USX6-6W-6WH AND-HIGHWIND-6-KIT	4,545.00 653.00	6	27,270.00 3,918.00	6	27,270.00 3,918.00	0	-	-	-		27,270.00 3,918.00	-	-	-	-
	XPD, REMOTE MOUNT, IDSH (STD. WHITE RAL9016), 5.925-7.125, RADOME (STD. CRAY), CPRISTO, DULA PIOL. CLASS IVEC/C0164, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6-6W-6WH), HIGH WIND UPDATE KIT FOR RXS AND USX6 ANTENNAS TAKES SURVIVAL WINDSPEED UP TO 250KMH (15SMPH) (HIGHWIND-6KT), KIT). TERMINATION LOAD, WAVEGUIDE, 05 GHZ BLOCK (LOAD), MATING			6		6		0	-	-		-		-	-	-	-
7.0020	XPD, REMOTE MOUNT, DISH (3TD: WHITE RAL2016), 525-7:125. RADOME (STD: GRAY), CPR (3TG: DALL POLL, CLASS 1) FOCTO (1A, SINGLE PIECE REFLECTOR, 200 KMPH. 200 KMPH (USXG-BY-XMPH) HIGH WIND UPDATE KIT FOR ITHS AND USKS ANTENNAS TAKES SURVIVAL WINDSPEED UP TO 250KMPH (165MPH) (HIGHWIND-6- KIT) TERMINATION LOAD WAVEGUIDE:06 GRIZED (XFL) (XFL) ANTINE FLANGE (PADRICOPITS JOUAL POLARIZED WH'S 137 RAM TYPE	AND-HIGHWIND-6-KIT	653.00	6	3,918.00	6	3,918.00	0	-	-	-	-	3,918.00		-	-	-
7.0020	XPD, REMOTE MOUNT, DISH (9TD: WHITE RAL,2016), 5.825-7.128, RADOME (STD: GARY), CPRISTO, DIAL POL, CLASS PINFCCOSTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (JUSTAS G-WG-WH) HIGH WIND UDDARDER KIT FOR HAR SAID USUS ANTENNAS TRACES SURVIVAL WINDSPEED UP TO 250 MMPH (JUSTAS MITHON STATES TERMINATION LOAD WAVEGUIDE OF GIVE BLOCK (LOAD), MITTING FLANGE PORT/IC/PRIST, DUAL POLARIZED JWR 137, RAM TYPE (112614-70)			6		6		0	-		-					-	-
7.0020	XPD, REMOTE MOUNT, DISH (3TD: WHITE RAL2016), 5225-7:25, ARDOME (STD: GARY), CPR197G, DUAL POL, CLASS 19X FOCTO1A, SINGLE PIECE REFLECTOR, 200 KMPH. 200 KMPH (USXG-6W-6WH) HIGH WIND UPDATE KIT FOR HIS AND USKS ANTENNAS TAKES SURVIVAL WINDSPEED UP TO 250KMH (155MPH) (HIGHWIND-6- KIT) TERMINATION LOAD WAYEGUIDE:06 GHZ BLOCK (LOAD), MATING FLANGE, PDR701/CPR137, DUAL POLARIZED (WR 137, RAM TYPE (112614-7) HIGHE	AND-HIGHWIND-6-KIT	653.00	6 6 0	3,918.00	6	3,918.00	0		-	-		3,918.00		-	-	-
7.0020 7.0030 7.0040	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5225-7:25. ARDADME (STD. SPAY), CPRISTO, DUAL POL. CLASS PYCCTOIA, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USXG-6W-6WH) HIGH WIND UPDATE KIT FOR HIX SAN DU USKG ANTENNAT STAKES SURVIVAL WINDSPEED UP TO 250KMH (155MPH) (HIGHWIND-6- TOLE STAN STAN DUAL WINDSPEED OF OT 250KMH (155MPH) (HIGHWIND-6- TOLE SIMMATION LOAD WAVEGUIDE GE OF JEE GOCK (LOAD). MATING FLANGE PORTIOCPRIST DUAL POLARIZED, WRIST RAM TYPE 11GHZ 11GHZ MT.10 125-1170GHZ 1MSFT; SHP_DUAL POL CPRSOG WHT POLY	AND-HIGHWIND-6-KIT AND-112614-70	653.00 253.00	6	3,918.00 1,518.00	6	3,918.00 1,518.00	0		-	-		3,918.00 1,518.00				-
7.0020	XPD, REMOTE MOUNT, DISH (1870: WHITE RAL,2016), 5.825-7.128. ARADOME (STD. GARY), CPRISTO, DUAL POL. CLASS PKOFCOTOLA. SINGLE PIECE REPLECTOR. 200 MMH 200 KMH- 100 KMH- SINGWALA WINDSPEED UP TO 250KMH- (155MPH) (HIGHWIND-6- KIT) TERMINATION LADD, WAVEGUIDE-06 GHZ, BLOCK (LOAD), MATING PLANGE PORTIOCPRIST JULIA POLARIZED, WR 197, RAM TYPE (172614-70) ANT. 10.125-11.70GHZ, IMSFT. SHP-DUAL OCCPROB, WHIT POLY- RAM, ESSAL STOCK 1014 (SHPS-11W-6WHA)	AND-HIGHWIND-6-KIT	653.00	6 6 0	3,918.00	6 6 41	3,918.00	0 0 0	- (9,289.00)		-		3,918.00		-	-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5225-7:25, RADOME (STD. GRAY), CPRISTO, DUAL POL, CLASS 19X-FCOTOIA, SINGLE PIECE REFLECTOR, 200 KMRH, 200 KMRH (19X5-6W-WHI) HIGH WIND UPDATE KIT FOR HIX AND USEG ANTENNAS TAKES SURVIVAL WINDSPEED UP TO 250KMH (15X6MP), (HIGHWIND-6- HOLDON MAN STATES SURVIVAL WINDSPEED UP TO 250KMH (15X6MP), (HIGHWIND-6- HANGE PARROCPRIST DUAL POLARIZED WRIST, RAM TYPE FLANGE PARROCPRIST DUAL POLARIZED WRIST, RAM TYPE FLANGE PARROCPRIST DUAL POLARIZED WRIST, RAM TYPE HANGE PARROCPRIST DUAL POLARIZED WRIST, RAM TYPE FLANGE PARROCPRIST DUAL POLARIZED FLANGE PARROCPRIST DUAL POLARIZED FLANGE PARROCPRIST DUAL POLARIZED FLANGE PARROCPRIST FLANGE P	AND-HIGHWIND-6-KIT AND-112614-70	653.00 253.00	6 6 0 34	3,918.00 1,518.00	6 6	3,918.00 1,518.00	0 0 0 0	. (9,289.00)			-	3,918.00 1,518.00			-	
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (9TD: WHITE RAL,2016), 5.225-7.128, ARDOME (STD: GRAY), CPRISTO, DIAL POL, CLASS PINFCCOSTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (LISXS-6-WO-WH) HIGH WIND UPDATE KIT FOR HAR AND USES ANTENNAS TRACES ALL WINDSPEED UP TO 250 KMPH (155MPH) (HIGHWIND-6- KMPH) FERNINATION LOAD WAVEGUIDE GO FITE BLOCK (LOCA), MATINO FLANGE PORTICOPRIST JULA POLARIZED WR 137, RAM TYPE (112614-70) HIGHE TABLES STATE (175GHZ, MINFT SHP JULA, POL. OPRISO, WHIT POLY BAD ETSI CLS, FOC OST (A) SHPS-11 HAWHYA) ANTENNA, 10/11 GHL. 1234 (HI), SENTINEL, HR, PERMOTE MOUNT, SHIFT (SHIT), 10/125-11.700 GER, ANDOME (STC. GRAY), SHIS (TSI, WHITE), 10/125-11.700 GER, ANDOME (STC. GRAY),	AND-HIGHWIND-6-KIT AND-112614-70	653.00 253.00	6 6 0 34	3,918.00 1,518.00	6 6	3,918.00 1,518.00	0 0 0 0	- (9,289.00)	-			3,918.00 1,518.00		-	-	
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (9TD: WHITE RAL2016), 5.925-7.128. ARADOME (STD. GRAY), CPRISTO, DUAL POL. CLASS PINFOCIOTÀ. SINGLE PIECE REFLECTOR. 200 MMH 200 MMH PLOSS-GWO-WIN- SINGLE PIECE REFLECTOR. 200 MMH 200 MMH (1858-9W-WIN- SERVIVAL MINOSPEED UP TO 25 COMPHI, (1858-9W-WIN- ETRIMINATION LOAD WAVEGUIDE.06 GHZ. BLOCK (LOAD), MATTING FLANGE PORTINCPRIST/DUAL POLARIZED, WITS), RAM TYPE HANGE PORTINCPRIST/DUAL POLARIZED, WITS), RAM TYPE HANT, 10.125-11.70GHZ. TMSFT. SHP-DUAL POLC PREGO, WHIT POLY ANT, 10.125-11.70GHZ. TMSFT. SHP-DUAL POLC PREGO, WHIT POLY ANT, 10.11 GHZ. 1.204 (4M), SENTINEL, HP, REMOTE MOUNT ANTENNA, 10/11 GHZ. 1.204 (4M), SENTINEL, HP, REMOTE MOUNT DUAL POLC MUSH UP INFOCIOTAL SINGLE PRECE REFLECTOR. 250	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH	653.00 253.00 - 1,327.00	6 6 0 34	3,918.00 1,518.00 - 45,118.00	6 6 41	3,918.00 1,518.00 - 54,407.00	0 0 0 0				-	3,918.00 1,518.00 45,118.00		-	-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD. WHITE RAL,2016), 5.825-7.128, RADOME (STD. GARY), CPRISTO, DUAL POL, CLASS PINFCCOTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (USX6-6W-0WH) HIGH WIND UDDARDER KIT FOR INKS AND USKS ANTENNAS TRAKES SURVIVAL WINDSPEED UP TO 250 MMPH, 100 KMPH (USX6-6W-0WH) FERMINATION LOAD WAVEGUIDE GO FUE BLOCK (LOAD), MATING FLANGE PORTICOPRIST, DUAL POLARIZED WR 137, RAM TYPE (112614-70) 11GHz ANT, 10: 125-11, 70GHZ: 1M:SFT,SHP_DUAL POL. CPR89G;WHT POLY RAD ETSI CLS, PCC 1014, (8PPS-11W-6WHA), ARTENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, RIS, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, RIS, ATRIEN, IPA, RIS, ATRIEN, IPA, ATRIENNA, 1011 FELT, 2441 (RIS, RIS, ATRIEN, IPA, ATRIENNA, 1011 FELT, ATRIEN, IPA, ATRIENNA, 1011 FELT, ATRIEN	AND-HIGHWIND-6-KIT AND-112614-70	653.00 253.00	6 6 0 34	3,918.00 1,518.00	6 6 41	3,918.00 1,518.00	0 0 0 -7	- - (9,289.00)				3,918.00 1,518.00	-		-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (9TD: WHITE RAL2016), 5.925-7.128. ARADOME (STD. GRAY), CPRISTO, DUAL POL. CLASS PINFOCIOTÀ. SINGLE PIECE REFLECTOR. 200 MMH 200 MMH PLOSS-GWO-WIN- SINGLE PIECE REFLECTOR. 200 MMH 200 MMH (1858-9W-WIN- SERVIVAL MINOSPEED UP TO 25 COMPHI, (1858-9W-WIN- ETRIMINATION LOAD WAVEGUIDE.06 GHZ. BLOCK (LOAD), MATTING FLANGE PORTINCPRIST/DUAL POLARIZED, WITS), RAM TYPE HANGE PORTINCPRIST/DUAL POLARIZED, WITS), RAM TYPE HANT, 10.125-11.70GHZ. TMSFT. SHP-DUAL POLC PREGO, WHIT POLY ANT, 10.125-11.70GHZ. TMSFT. SHP-DUAL POLC PREGO, WHIT POLY ANT, 10.11 GHZ. 1.204 (4M), SENTINEL, HP, REMOTE MOUNT ANTENNA, 10/11 GHZ. 1.204 (4M), SENTINEL, HP, REMOTE MOUNT DUAL POLC MUSH UP INFOCIOTAL SINGLE PRECE REFLECTOR. 250	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH	653.00 253.00 - 1,327.00	6 6 0 34	3,918.00 1,518.00 - 45,118.00	6 6 41	3,918.00 1,518.00 - 54,407.00	0 0 0 -7					3,918.00 1,518.00 45,118.00			-	
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD. WHITE RAL,2016), 5.825-7.128, RADOME (STD. GARY), CPRISTO, DUAL POL, CLASS PINFCCOTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (USX6-6W-0WH) HIGH WIND UDDARDER KIT FOR INKS AND USKS ANTENNAS TRAKES SURVIVAL WINDSPEED UP TO 250 MMPH, 100 KMPH (USX6-6W-0WH) FERMINATION LOAD WAVEGUIDE GO FUE BLOCK (LOAD), MATING FLANGE PORTICOPRIST, DUAL POLARIZED WR 137, RAM TYPE (112614-70) 11GHz ANT, 10: 125-11, 70GHZ: 1M:SFT,SHP_DUAL POL. CPR89G;WHT POLY RAD ETSI CLS, PCC 1014, (8PPS-11W-6WHA), ARTENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, REMOTE MOUNT, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, RIS, ATRIENNA, 1011 FELT, 2241 (RIS, SETTINGLE, IPA, RIS, ATRIEN, IPA, RIS, ATRIEN, IPA, ATRIENNA, 1011 FELT, 2441 (RIS, RIS, ATRIEN, IPA, ATRIENNA, 1011 FELT, ATRIEN, IPA, ATRIENNA, 1011 FELT, ATRIEN	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH	653.00 253.00 - 1,327.00	6 6 0 34	3,918.00 1,518.00 - 45,118.00	6 6 41	3,918.00 1,518.00 - 54,407.00	0 0 0 -7					3,918.00 1,518.00 45,118.00			-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5825-7128, ARDOME (STD. GRAY), CPRISTO, DUAL POL, CLASS PYCCTOIA, SINGLE PIECE REFLECTOR, 200 (MBH-), 200 KMBH-) (USA) SHORE PIECE REFLECTOR, 200 KMBH-), 200 KMBH-) (WBS) WESS ARTHON STARES SURVIVAL WINDSPEED UP TO 250KMBH-) (WBS) WHITE PIECE REFLECTOR, 200 KMBH-), WINGS WESS WESS WESS WESS WESS WESS WESS WE	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH	253.00 253.00 1,327.00 2,611.00	6 6 0 34 20	3,918.00 1,518.00 - 45,118.00 52,220.00	6 6 41 13 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00	-		-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (GTD. WHITE RAL,2016), 5.25-7.128. ARADOME (STD. GARY), CPRISTO, DULA POL, CLASS PKOFCOTOLA. SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (LISKS-6W-0WH) HIGH WIND UPDATE REFT FOR HER AND USES ANTENNAS TARKES. ALL WINDSPEED UP TO 290 MMPH, 100 MMPH (LISKS-6W-0WH) FINANCIAL WINDSPEED UP TO 290 MMH (15MPH) (HIGHWIND-6-M-0WH) FINANCIAL WINDSPEED UP TO 290 MMH (15MPH) (HIGHWIND-6-M-0WH) FINANCIAL WINDSPEED	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH	653.00 253.00 - 1,327.00	6 6 0 34 20	3,918.00 1,518.00 - 45,118.00	6 6 41 13 13	3,918.00 1,518.00 - 54,407.00	0 0 0 -7					3,918.00 1,518.00 45,118.00		-	-	-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5225-7128, ARDOME (STD. GRAY), CPRISTO, DUAL POL, CLASS 19X FOCTOIA, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (USX6 9W-0WH) HIGH WIND UPDATE KIT FOR INZA BUD USK6 ANTENNAS TAKES SURRIVAL WINDSPEED UP TO 250KMPH (19SMPH) (HIGHWIND-6- FLERIMINATION LOAD WAVESUEDIES GO FLER EDCK (LOAD), MATING FLANGE PORTIOCPRIST DUAL POLARIZED WRIST RAM TYPE (112814-70) HIGHE ANT, 10: 125-11 70GHZ, 1MSFT, SHP, DUAL POL, CPR80G WHT POLY RAD_ETSI CL3, FCC 1014, (SHP3-11W-0WHA) ANTENNA, 1011 BH, 1201 (HS) SHTMISEL, IPR, REMOTE MOUNT, DISH (STD. WHITE), 10: 125-11 70G GHZ, RAMORE (STD. GRAY), DUAL POL, CLOSS HIPPCC101A, SMORE PIECE REFLECTION, 250 TERMINATION LOAD WAVESQUIDS; 0111 GHZ BLOCK (LOAD) MATINE FLANGE PORTOOCPR80G, DUAL POLALIZED, PAM TYPE (112814-10)	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH	253.00 253.00 1,327.00 2,611.00	6 6 0 34 20	3,918.00 1,518.00 - 45,118.00 52,220.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 -7 7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00				-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (GTD. WHITE RALDO16), 5825-7128, ARDOME (STD. GRAY), CPRISTO, DULA POL, CLASS PINFCCOSTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (LISXS-6-WO-WH) HIGH WIND UDDATE REF (FOR FIRS AND USES ANTENNAS TRACES OF THE STANDARD OF THE ST	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH	253.00 253.00 1,327.00 2,611.00	6 6 0 34 20	3,918.00 1,518.00 - 45,118.00 52,220.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7	18,277.00	-			3,918.00 1,518.00 45,118.00 52,220.00				-
7.0020 7.0030 7.0040 7.0050	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL,2016), 5.252-7.128. ARDOME (STD: GRAY), CPRISTO, DULA POL. CLASS PINFCCOIA. SINGLE PIECE REPLECTOR. 200 MMH-1, 200 KMPH (LISXS-6W-6WH). SINGLE PIECE REPLECTOR. 200 MMH-1, 200 KMPH (LISXS-6W-6WH). SINGWALA, WINDSPEED UP TO 250KMH-1 (15SMPH) (HIGHWIND-6-KMT). TERMINATION LOAD WAVEGUIDE: 66 GHZ. BLOCK (LOAD). MATING. PLANGE PORTIOCPRIST JULIA POLARIZED, WIST, RAM TYPE. (17261-170). ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, MYHT POLY ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, WHITP POLY ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, GWHT POLY SHOT, SHR. 1015-11.70GHZ, GROCK PROBE, GWHT POLY SHOT, SHR 1015-11.70GHZ, GROCK PROBE, GWHT POLY SHI (STD: WHITE), 10.725-11.70G GHZ, RADOME (STD: GRAY), SMPH, 200 KMPH; SHPX-111W-6WH). TERMINATION LOAD WAVEGUIDE: STD IT GRZ BLOCK (LOAD).MATING FLANGE PORTIOCPRISG, DULA POLANIZED, RAM TOPIC (1231-140). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GT). GRAYJ, SINGLE POL, CLASS	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH	253.00 253.00 1,327.00 2,611.00	6 6 6 0 34 20	3,918.00 1,518.00 - 45,118.00 52,220.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 -7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00				-
7.0020 7.0030 7.0040 7.0050 7.0060	XPD, REMOTE MOUNT, DISH (STD: WHITE RALDO16), 5825-7128, ARDOME (STD: GRAY), CPRISTO, DULA POL, CLASS PINFCCOSTA, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (USX6-8W-SWH) HIGH WIND UDDATE RIF FOR HAR AND UDSKG ANTENNAS TRAKES SUR WAY, WINDSPEED UP TO 250 GAMH (155MPH) (HIGHWIND-D- FLERIMINATION LOAD WAYEGUIDE GOT REGLOCK (LOAD), MATING FLANGE-PORT/UCPRIST/DUAL POLARIZED WR 137, RAM TYPE (112614-70) HIGHZ MATTO: 125-11.70GHZ, MMPH 5184P DUAL POLCPRISGO, WHT POLY MADE TEIL CLS, PICCU TOLK, GENERAL WAYER FREMOTE MOUNT SHOWN (STD) (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) (STD) SHOWN (STD) (STD) (STD) (STD) (STD) (STD) STD) (STD) (STD) (STD) (STD) (STD) (STD) (STD) STD) (STD) (STD) (STD) (STD) (STD) (STD) (STD) (STD) STD) (STD) (STD) (STD) (STD) (STD) (STD) (STD) (STD) STD) (STD)	AND-HIGHWIND 4-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH AND-SHPX4-11W-6WH AND-112614-100	253.00 253.00 1,327.00 2,611.00	6 6 0 34 20	3,918.00 1,518.00 45,118.00 52,220.00 4,900.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7	18,277.00	-			3,918.00 1,518.00 45,118.00 52,220.00 4,900.00		-	-	-
7.0020 7.0030 7.0040 7.0050 7.0060	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL,2016), 5.252-7.128. ARDOME (STD: GRAY), CPRISTO, DULA POL. CLASS PINFCCOIA. SINGLE PIECE REPLECTOR. 200 MMH-1, 200 KMPH (LISXS-6W-6WH). SINGLE PIECE REPLECTOR. 200 MMH-1, 200 KMPH (LISXS-6W-6WH). SINGWALA, WINDSPEED UP TO 250KMH-1 (15SMPH) (HIGHWIND-6-KMT). TERMINATION LOAD WAVEGUIDE: 66 GHZ. BLOCK (LOAD). MATING. PLANGE PORTIOCPRIST JULIA POLARIZED, WIST, RAM TYPE. (17261-170). ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, MYHT POLY ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, WHITP POLY ANT, 10, 125-11.70GHZ, IMSFT SHP-DULA, POLCPRIST, GWHT POLY SHOT, SHR. 1015-11.70GHZ, GROCK PROBE, GWHT POLY SHOT, SHR 1015-11.70GHZ, GROCK PROBE, GWHT POLY SHI (STD: WHITE), 10.725-11.70G GHZ, RADOME (STD: GRAY), SMPH, 200 KMPH; SHPX-111W-6WH). TERMINATION LOAD WAVEGUIDE: STD IT GRZ BLOCK (LOAD).MATING FLANGE PORTIOCPRISG, DULA POLANIZED, RAM TOPIC (1231-140). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GRYSHINGE, HP (GT). ANTENNA, 1011 GHZ, 1014, GT). GRAYJ, SINGLE POL, CLASS	AND-HIGHWIND-6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH	253.00 253.00 1,327.00 2,611.00	6 6 6 0 34 20 20	3,918.00 1,518.00 - 45,118.00 52,220.00	666411313	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7 7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00				
7.0020 7.0030 7.0040 7.0050 7.0060	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5825-7128, ARDOME (STD. GRAY), CPRISTO, DUAL POL, CLASS 19X FOCTORA, SINGLE PIECE REFLECTOR, 200 (MBH-), 200 KMBH-1 (MSN FOCTORA), SINGLE PIECE REFLECTOR, 200 (MBH-), 200 KMBH-1 (MSN FOCTORA), HOLD WITH STREET REFORM AND USER ANTENNAS TRAKES SURVIVAL WINDSPEED UP TO 250 KMBH-1 (MSN FMH), HIGHWIND-6- TERMINATION LOAD WAVEGUIDE GO FUZ BLOCK (LOAD), MATING FLANGE PORTIOCPRIST, DUAL POLARIZED WR 137, RAM TYPE (112614-70) 11GHz ANT, 10: 125-11, 70GHZ 1M:SFT, SHP_DUAL POL CPR80G WHT POLY RAD, ETSI CLS. PCC 1014, (MSPS-1-W-MH-A), ARTENNA, 1011 FDL. 1224 (MS), SENTINEL, HIP (RESTORAN), ATRENNA, 1011 FDL. 1224 (MS), SENTINEL, HIP (RESTORAN), DUAL POL, CLASS III-PCC 1014, SINGLE PIECE REFLECTOR, 250 KMBH-1, 200 KMBH (MSPPA-11W-WGH) TERMINATION LOAD (WAVEGUIDE: 1011 GHZ BLOCK (LOAD),MATING FLANGE PORTIOOPROS, DUAL POLARIZED, RAM TYPE (112614-100) ANTENNA, 1011 GHZ. 1: 0 M (SFT), SENTINEL, HP (GTT- RECT TARGULLAR NINGLE PIECE REFLECTOR, 260 ANTENNA, 1011 GHZ. 1: 0 M (SFT), SENTINEL, HP (GTT- RECT TARGULLAR NINGEPPECE REFLECTOR, 250 KMBH, 200 KMBH SINGLE PIECE REFLECTOR, 250 KMBH, 200 KMBH TORANGE PORTIOOPROS, DUAL POLARIZED, RAM TYPE (112614-100) ANTENNA, 1011 GHZ. 1: 0 M (SFT), SENTINEL, HP (GTT- RECT TARGULLAR NINGEPPECE REFLECTOR, 250 KMBH, 200 KMBH, SHP3-11W-GTT).	AND-HIGHWIND 4-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH AND-SHPX4-11W-6WH AND-112614-100	253.00 253.00 1,327.00 2,611.00	6 6 6 0 34 20 20 20	3,918.00 1,518.00 45,118.00 52,220.00 4,900.00	66641313	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7 7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00 4,900.00			-	
7.0020 7.0030 7.0040 7.0050 7.0060	XPD, REMOTE MOUNT, DISH (STD. WHITE RAL,2016), 5.25-7.128, ARDADINE (STD. GRAY), CPRISTO, DIAL POL, CLASS PKCCO1A, SINGLE PIECE REFLECTOR, 200 MMH, 200 KMPH (LISXS-6W-WMH) HIGH WIND UPDER KEY FOR HIR AND USES ANTENNAS TAKES ALL WINDSPEED UP TO 290 MMH, 200 KMPH (LISXS-6W-WMH) FILE MAN AND AND AND AND AND AND AND AND AND A	AND-HIGHWIND 4-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH AND-SHPX4-11W-6WH AND-112614-100	253.00 253.00 1,327.00 2,611.00	6 6 6 0 34 20 20	3,918.00 1,518.00 45,118.00 52,220.00 4,900.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00 4,900.00		-		
7.0020 7.0030 7.0040 7.0050 7.0060	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL,2016), 5.252-7.128. ARDOME (STD: GRAY), CPRISTO, DUAL POL. CLASS PINFOCIOTÀ. SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 MMPH. (SSMPH) (HIGHWIND-6-MT). FERNIMATION LOAD WAVEGUIDE:06 GHZ. BLOCK (LOAD).MATING. PLANGE PICKTORY STJ. DUAL POLARIZED. WITST, PRAM TYPE. HTGHINATON LOAD WAVEGUIDE:06 GHZ. BLOCK (LOAD).MATING. PLANGE PICKTORY STJ. MATT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. 1MSFT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. 1MSFT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. (MS). SENTINEL: HIP. REMOTE MOUNT. DICH (STD: WHITE). 10.125-11.70G GHZ. RALDOME (STD: GRAY). MATENNA. 10/11 GHZ. 10.126-11.70G GHZ. BLOCK (LOAD).MATING FLANGE PORT 100 CPRSG. DUAL POLARIZED. PRAM TYPE (11281-140A WAVEGUIDE: 10/11 GHZ. BLOCK (LOAD).MATING FLANGE PORT MOUNT. DISH (STD. GRAY). THE REMOTE MOUNT. SHE NOT SHE WAVE THE PROPERTY OF THE SHE WAVE THE SHE WAVE THE PROPERTY OF THE SHE WAVE THE	AND-HIGHWIND 4-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH AND-SHPX4-11W-6WH AND-112614-100	253.00 253.00 1,327.00 2,611.00	66 66 0 34 20 20	3,918.00 1,518.00 45,118.00 52,220.00 4,900.00	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7 7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00 4,900.00				-
7.0020 7.0030 7.0040 7.0050 7.0060 7.0070	XPD, REMOTE MOUNT, DISH (STD. WHITE RALDO16), 5825-7128, ARDOME (STD. GRAY), CPRISTO, DULA POL, CLASS INFOCIOTÀ, SINGLE PIECE REFLECTOR, 200 MMPH, 200 KMPH (USX6-8M-SWH) HIGH WIND UDJACE REFLECTOR, 200 MMPH, 200 KMPH (USX6-8M-SWH) HIGH WIND UDJACE REFLECTOR, 200 MMPH, 200 KMPH (USX6-8M-SWH) FILE MANDEN COLLEGATION OF THE STREAM TARGES SOLUTION OF THE STREAM THE	AND-HIGHWIND 6-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX-11W-6WH AND-112614-100 AND-SHP3-11W-GT1	253.00 253.00 1,327.00 2,611.00 245.00	6 6 6 0 0 34 20 20 20	3,918.00 1,518.00 	6 6 41 13 13	3,918.00 1,518.00 54,407.00 33,943.00 3,185.00	0 0 0 0 -7 7	18,277.00 1,715.00 2,654.00				3,918.00 1,518.00 45,118.00 52,220.00 4,900.00 2,654.00			-	
7.0020 7.0030 7.0040 7.0050 7.0060 7.0070 7.0080	XPD, REMOTE MOUNT, DISH (STD: WHITE RAL,2016), 5.252-7.128. ARDOME (STD: GRAY), CPRISTO, DUAL POL. CLASS PINFOCIOTÀ. SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 KAUPH (LISXS-6W-6WH). SINGLE PIECE REFLECTOR. 200 MMPH. 200 MMPH. (SSMPH) (HIGHWIND-6-MT). FERNIMATION LOAD WAVEGUIDE:06 GHZ. BLOCK (LOAD).MATING. PLANGE PICKTORY STJ. DUAL POLARIZED. WITST, PRAM TYPE. HTGHINATON LOAD WAVEGUIDE:06 GHZ. BLOCK (LOAD).MATING. PLANGE PICKTORY STJ. MATT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. 1MSFT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. 1MSFT. SHP. DUAL POL. CPRSG. WHIT POLY. ANT, 10.125-11.70GHZ. (MS). SENTINEL: HIP. REMOTE MOUNT. DICH (STD: WHITE). 10.125-11.70G GHZ. RALDOME (STD: GRAY). MATENNA. 10/11 GHZ. 10.126-11.70G GHZ. BLOCK (LOAD).MATING FLANGE PORT 100 CPRSG. DUAL POLARIZED. PRAM TYPE (11281-140A WAVEGUIDE: 10/11 GHZ. BLOCK (LOAD).MATING FLANGE PORT MOUNT. DISH (STD. GRAY). THE REMOTE MOUNT. SHE NOT SHE WAVE THE PROPERTY OF THE SHE WAVE THE SHE WAVE THE PROPERTY OF THE SHE WAVE THE	AND-HIGHWIND 4-KIT AND-112614-70 AND-SHP3-11W-6WH AND-SHPX4-11W-6WH AND-SHPX4-11W-6WH AND-112614-100	253.00 253.00 1,327.00 2,611.00	6 6 6 0 34 20 20 20	3,918.00 1,518.00 45,118.00 52,220.00 4,900.00	66641	3,918.00 1,518.00 54,407.00 33,943.00	0 0 0 0 -7 7 7	18,277.00				3,918.00 1,518.00 45,118.00 52,220.00 4,900.00				

	ANTENNA, 18 GHZ, 0.6 M (2FT), SENTINEL, HP (GT1-																
	RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE),			- 1				ı	I I								
	17.700 - 19.700 GHZ, RADOME (STD: WHITE), SINGLE POL., CLASS							ı	I I								
	IV/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH			- 1				ı	I I								
7.0100	(SHP2-18-GT1)	AND-SHP2-18-GT1	496.00	- 1	496.00			1 1	496.00				496.00				-
	ELLIPTICAL WAVEGUIDE STANDARD, 5.925-7.125 GHZ, BLACK PE																
7 0110	JACKET, PER FOOT (EW63-F)	AND-EW63-F	8.00	668	5,344.00	389	3,112.00	279	2,232.00				5.344.00				
	EW63INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN)						0,1.12.00		2,202.00				0,011100				
7 0120	(EW63INSTALL-KIT)	AND-EW63INSTALL-KIT	1,063.00	6	6,378.00	6	6,378.00		I . I				6,378.00				
7.0120	HARDWARE-KIT (ONE KIT PER 100FT) (HARDWARE-KIT)	179-530526-001	515.00	8	4,120.00	6	3,090.00	1 2	1,030.00		-		4,120.00	-	-		
	EW63 X2 HOLES CUSHION (Bag of 5 Kits) (SREW632-K)	018-510063-002	62.00	42	2.666.00	25	1.550.00	10	1,030.00				2.666.00				
	WAVEGUIDE BOOT FOR EW63, 4 IN (WGB4-63)	AND-WGB4-63	68.00	45	408.00	2.0	408.00	10	1,110.00				408.00				
7.0100	WAVEGUIDE CUSHION HANGER, KITS, EW63, 1 HOLE (BAG OF 5	71112-111024-00	00.00		400.00		400.00	⊢	—				400.00				
7.0160	WITC)	018-510063-001	64.00						I I								
7.0100	ELLIPTICAL WAVEGUIDE STANDARD, 10.2-11.7 GHZ, BLACK PE	010-310003-001	04.00	Ů				_ ·	 								
7.0470	JACKET, PER FOOT (EW90-F)	AND-EW90-F	7.00	6035	42,245.00	4368	30,576.00	1667	11,669.00				42.245.00				
7.0170	EW90INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN)	AND-EWSO-I	7.00	0000	42,240.00	4300	30,370.00	1007	11,005.00				42,243.00				
7.0400	(EW90INSTALL-KIT)	AND-EW90INSTALL-KIT	1.055.00		56.970.00	50	52,750.00	Ι.,	4,220.00				56.970.00				
	HARDWARE-KIT (ONE KIT PER 100FT) (HARDWARE-KIT)	179-530526-001	515.00	54	30.385.00	50	25,750.00	4	4,220.00				30,385.00	- :			-
7.0190	WAVEGUIDE CUSHION HANGER, KITS, EW90, 3-HOLE (BAG OF 5	179-530526-001	515.00	59	30,385.00	50	25,750.00	9	4,635.00		-	-	30,385.00	-	-		-
2 0000								١.									
	KITS) (SREW903-K)	018-510090-003	60.00	321	19,260.00	319 47	19,140.00	2	120.00	-		-	19,260.00	-	-	-	-
7.0210	WAVEGUIDE BOOT FOR EWP90, 4 IN (WGB4-90)	AND-WGB4-90	68.00	50	3,400.00	47	3,196.00	1 3	204.00	-	-	-	3,400.00	-	-	-	
7.0220	WAVEGUIDE CUSHION HANGER, KITS, EW90, 1 HOLE (BAG OF 5	018-510090-001	63.00	اء		l l		١.	ı I			I					
		018-510090-001	63.00	0	-		-	0	· ·	-	-	-	-	-	-	-	-
7.0230	Waveguide18 GHz		-	0	-		-	- 0		-	-	-		-	-	-	-
	Elliptical Waveguide Standard, 17.3-19.7 Gaz, Black Pe Jacket, Per					980		I			1						
7.0240	Foot (EW180-F).	AND-EW180-F	9.00	1340	12,060.00	980	8,820.00	360	3,240.00	-	-	-	12,060.00	-	-	-	-
1	FIXED-TUNED CONNECTOR FOR EW180, PBR220 (1180SCM) 2 per		1	ı		l l		1	I I			I					
7.0250	run	AND-1180SCM	405.00	30	12,150.00	32	12,960.00	-2	(810.00)	-		-	12,150.00	-		-	-
1	ECLIPSE FLEXIBLE WAVEGUIDE, 17.70-26.50 GHZ, 900MM, PBR220			ı		l l		1	ı I			I					
7.0260	FLANGES (250220-900-KKS-A)	086-189220-900	444.00	15	6,660.00	16	7,104.00	-1	(444.00)	-	-	-	6,660.00	-	-	-	-
	HARDWARE-KIT (ONE KIT PER 100FT) (HARDWARE-KIT)	179-530526-001	515.00	15	7,725.00	16	8,240.00	-1	(515.00)	-	-	-	7,725.00		-	-	-
7.0280	PRESSURE WINDOW WR42, 17.7-26.5, UG596A/U (1 per run)	AND-55000A-42	133.00	0		16	2,128.00	-16	(2,128.00)			-					
	WG Cushion, Ew180, Ewp180, We190, We191 X 1 Hole Cus (Bag of 5																
7.0290	Kits) (SREW180-K) (Bag of 5. 1 bag per 15 ft)	VLT-SREW180-K	66.00	91	6,006.00	70	4,620.00	21	1,386.00	-	-		6,006.00		-		-
7.0300	Waveguide Boot for Ew220, 4 in (WGB4-220) (1 per run)	AND-WGB4-220	90.00	15	1,350.00	16	1,440.00	-1	(90.00)	-	-	-	1,350.00	-	-		-
	GROUNDING KIT, UNIV, 1/2-1 5/8IN, CORRUG COAX CBL, ELLIPT																
	WG 63-180, WR51-WR137, WG19-WG14, R180-R70 (UG12158-15B4-			- 1				ı	I I								
7.0310	T)	AND-UG12158-15B4-T	46.00	0		43	1.978.00	-43	(1.978.00)								-
	HOISTING GRIP, LACE-UP HOISTING GRIP FOR 5/8 INCH COAXIAL								<u> </u>								
	CABLE AND ELLIPTICAL WAVEGUIDE 85, 90, 127, 132 AND PWRT-			- 1				ı	I I								
7 0320	608 (29958)(1 per run)	AND-29958	45.00	0		17	765.00	-17	(765.00)								
	PRESSURE WINDOW (112587)Pressure Window for WR42, 17.7-26.5							<u> </u>	(100000)								
7 0330	GHz. mates to PBR220	AND-112587	117.00	15	1,755.00			15	1.755.00				1.755.00				
	DEHYDRATOR	7445-112507	117.00	- 10	1,700.00	1	-	- 10	1,700.00				1,700.00	- :			
7.0340	AUTOMATIC DEHYDRATOR, W/LP ALRM; 0.2 SCFM,120V			- ů													
7 0350	60HZ,320W,380VA,MODEL APD20-D (APD20-D-35XH0R00S0)	RFS-APD20-D	1,940.00	0		3.4	65,960.00	-34	(65,960.00)								
7.0550	WALL SHELF FOR RFS DEHYDRATORS APD-D SERIES (SHELF-	IN SAF D20-D	1,540.00	Ů		34	00,800.00	*34	(00,000.00)								
7 0260	APD-D)	RFS-SHELF-APD-D	120.00	0		24	4,080.00	-34	(4,080.00)		l 1						
7.0300	DISTRIBUTION MANIFOLD.4-PORT.0-15.0 PSIG.25 FEET OF TUBING	THE O'CHEEL THE D'D	120.00	Ů		34	4,000.00	*54	(4,000.00)								
7 0070	PER PORT.WALL MOUNTABLE (6600D-4)	AND-6600D-4	435.00			20	12.180.00	-28	(12.180.00)								
7.0370	DISTRIBUTION MANIFOLD,6-PORT,0-15.0 PSIG,25 FEET OF TUBING	AND-8000D-4	435.00			20	12,100.00	-20	(12,100.00)								
7 0000	PER PORT, WALL MOUNTABLE (6600D-6)	AND-6600D-6	607.00	_		_	5,463.00		(5,463.00)			I					
	PER PORT, WALL MOUNTABLE (6600D-6)	AND-0000D-0	007.00	Ü	- :	9	5,463.00	-9	(0,403.00)	-	- :	- :		- :		-	
7.0390	CABLE, ODU, 9913, WITH CONN/GROUND KIT, 50M CNT400 CCAL			- u		-		-	⊢	_						-	
7 0400	TYPE (STXC400-GKWT-50)	037-579311-050	166.00	_			996.00		(996.00)			I					
7.0400	11FE (31AO400-BRW1-30)	037-379311-030	100.00	U		ь	990.00	-6	(990.00)	_		-		-		-	
7,000	THREAD ROD SUPPORT 12IN (305MM) LONG, KIT OF 5 (31771-4)	AND 24774 4	28.00	اء		ا ا	168.00	١.	(168.00)			I					
7.0410		AND-31771-4	28.00	0	-	- 6	168.00	-6	(168.00)	-		-	-	-	-	-	
	WAVEGUIDE CUSHION HANGER, KITS, LMR-400 3/8" FLEX, 4	1 / T OD! D 44 /				ll						I					
7.0420	HOLES (BAG OF 5 KITS) (SRLR44-K)	VLT-SRLR44-K	66.00	0	-	30	1,980.00	-30	(1,980.00)	-	-	-	-	-		-	-
	HARDWARE, SNGL STACK, SS, FOR MINI CLICK -ON HANGERS	**** OF OCCUPATION TO										I					
7.0430	(10/PK) (252027-10KT-P)	AND-252027-10KT-P	36.00	0	-	30	1,080.00	-30	(1,080.00)	-		-	-	-	-	-	-
1	KIT, LIGHTNING ARRESTOR, UNIVERSAL, 50 OHM, MALE TO			ı	1	l l		1	ı I			I					
7.0440	FEMALE (62009)	179-530062-002	52.00	6	312.00	6	312.00	0		-		-	312.00			-	-
	TYPE N MALE CRIMP CONNECTORS (400BPNM-C-CR)	840-600202-001	10.00	0		24	240.00	-24	(240.00)	-	1	-		-	-	-	-
	WEATHERPROOFING KIT (HF-TAPEKIT)	011-390001-001	4.00	6	24.00	6	24.00	0		-	-	-	24.00	-	-	-	-
7.0470	GROUNDING KIT, UNIVERSAL, 1/4" TO 5/8" CABLES (GK-SUNV)	179-530509-001	12.00	26	312.00	18	216.00	8	96.00	_		-	312.00	-	-	-	-
7.0480	CABLE, IDU/ODU, NO CONN, 50M, .4IN	840-600311-050	132.00	0	-		-	0	-	-		-	-	-	-	-	-
7.0490		840-600311-075	198.00	2	396.00		-	2	396.00	_		-	396.00	-	-	-	-
	CABLE, IDU/ODU, NO CONNECTORS, 0.4" COPPER BRAIDED																
1	FLEXIBLE FOAM DIELECTRIC 50 OHM COAXIAL CABLE, 100			ı		l l		1	ı I			I					
7.0500	METERS (328 FEET) (MIS840-600311-100)	840-600311-100	264.00	1	264.00			1	264.00	-	- 1	- 1	264.00	1		-	
	CABLE, IDU/ODU, NO CONNECTORS, 0.4" COPPER BRAIDED																
1	FLEXIBLE FOAM DIELECTRIC 50 OHM COAXIAL CABLE, 125			ı		l l		1	ı I			I					
7.0510	METERS (410 FEET) (MIS840-600311-125)	840-600311-125	330.00	- 1	330.00	l l		1	330.00	-			330.00			-	
7.0520	CONNECTOR KIT N TYPE M&F 400 TYPE CABLE	179-530057-001	25.00	28	700.00	1		28	700.00	-	. 1		700.00			-	-
7.22	COAX CUSHION HANGER, KITS, LMR-400 3/8" FLEX, 2-HOLE (BAG					1 1		T	- · · · · ·								
7,0530	OF 5 KITS)	018-510140-002	60.00	29	1,740.00	l l		29	1,740.00	_			1,740.00			-	
7,0540	Entry Boot Kit, 3/8" Coaxial Cable, 4", 4 holes (BA384)	179-530160-004	24.00	4	96.00			4	96.00				96.00				
7.0040	,,, -, -, -11000 (07004)		24.00		50.00				50.00				50.00				

	HOISTING GRIP, LACE-UP HOISTING GRIP FOR 5/8 INCH COAXIAL										1					\sim	
	CABLE AND ELLIPTICAL WAVEGUIDE 85, 90, 127, 132 AND PWRT-		I	l				l	l	l		l .	l	l	1 /	i l	
7.0550	608 (29958)(1 per run)	AND-29958	45.00	8	360.00		-	8	360.00	-	-	-	360.00		/	i - I	-
	New Pipe Mounts			0			-	0	-		-	-		-	-	-	-
	KIT, UNIV PIPE MOUNT, 4 1/2" X 96", SUPPORTS UP TO 8" ANGLE															1	
	LEGS (PM-SC4-96)	AND-PM-SC4-96	812.00	0			-	0	-	-	-	-	-	-		-	-
	MICROWAVE SADDLE MT SUPPORT ANGLE, 6FT (MD-SSA6)	AND-MD-SSA6	599.00	0			-	0								-	
	DEHYDRATOR			0				0									
	DEHYDRATOR, AUTOMATIC, LAB4.50, 10-60 KPA, 300 L/H, 100-															i I	
1 1	240VAC 50/60 HZ AND 48-60VDC INPUT, NO ETHERNET, 6 AIR			l .				ı	l	l		l .	l		1	i l	
1 1	OUTLETS 3/8", INCLUDES PWR CABLE 3M, 30M TUBING, 1			l .				ı	l	l		l .	l		1	i l	
1 1	STRAIGHT + 1 X 90 DEGREE FITTING, NEEDLE VALVE. MOUNTING:			l .				ı	l	l		l .	l		1	i l	
7.0600	WALL, FLOOR AND RACK (C16600.502)	CIB-C16600.502	2,561.00	36	92,196.00		-	36	92,196.00	-	-	-	92,196.00		/	i - I	-
	MANIFOLD, 1 PORT INLET, 4 PORTS OUTLET AND SHUT OFF																
7.0610	VALVES, 3/8" PUSH-ON FITTING (K15019-005)	CIB-K15019-005	212.00	36	7,632.00		-	36	7,632.00		-	-	7,632.00	-			-
	MANIFOLD, 1 PORT INLET, 6 PORTS OUTLET AND SHUT OFF																
7.0620	VALVES, 3/8" PUSH-ON FITTING (K15019-006)	CIB-K15019-006	261.00	3	783.00			3	783.00		-		783.00			i - I	-
	STRUT, INBOARD SIDE KIT FOR 3 FT, 4 FT AND 6 FT COMMSCOPE																
7.0630	MICROWAVE ANTENNAS (VSTRUT-P3KIT)	086-000011-002	194.00	5	970.00			5	970.00		-		970.00		!	1 - 1	-
	Hardware to run Spur in paralle			0				0								-	
	11 GHz			-				-									
	WAVEGUIDE TO COAX TRANSITION, WR90, CPR90G TO N-			- ·				H									
	FEMALE, 8.2–12.4 GHZ, GRAY	086-002038-001	156.00		1,248,00				1.248.00	Ι.			1,248,00	Ι.	1 . !		_
7.5500	LOW DEN FOAM COAX CABLE, 3/8 IN COR COPPER; BLACK PE	500-002-000-001		 °	1,2-0.00			⊢ů	1,240.00	— <u> </u>	<u> </u>		1,2-3,00			-	-
7.0670	JCKT (LDF2-50)	AND-LDF2-50	1.00	90	80.00			90	80.00	I .	1	I	80.00	Ι.	1 /		
		018-501615-769	63.00	- 00	252.00			- 00	252.00	<u> </u>	-		252.00	- :	- :		
7.0000	TO TOO TO TOO OF TAP TO GOOD LIN	310-301013-708	03.00	— °	232.00			-	232.00	<u> </u>		<u> </u>	232.00	— <u> </u>			
7,0000	60H-		l I	I	I !				1	I	1	l l	I	I	1 /	ı l	
7.0690			_					⊢ •		— ·	<u> </u>	<u> </u>	—	— ·		\longrightarrow	
1 /	WAVEGUIDE TO COAX TRANSITION, CPR137G TO N-FEMALE, 5.85- 8.20 GHZ, NO PLATING, PAINTED LIGHT GREY, FIXING KIT		ı	I	I I			I	I	I		I	I	I	1 /	i l	
				Ι.				Ι.		I		I		I	1 /	i l	
7.0700	INCLUDED (CA14CN-N-G-FK)	086-002031-001	187.00	4	748.00		-	4	748.00	<u> </u>		· ·	748.00	<u> </u>		─	-
1	LOW DEN FOAM COAX CABLE, 3/8 IN COR COPPER; BLACK PE									l		l .			1	i l	
	JCKT (LDF2-50)	AND-LDF2-50	1.00	40	40.00		-	40	40.00			-	40.00	-			-
	WG SPACER CPR137G/TAP-CMR137/CLR	014-504181-647	130.00	2	260.00		-	2	260.00		-	-	260.00	-			-
1 1	Warranty -3 years after shipment including 1 year before and 2 years			l .				ı	l	l		l .	l		1	i l	
8.0000	after system acceptance*			0	-		-	0	-		-	-		-	-	-	
8.0010	WARRANTY PLUS IW , NA&C, 12 MONTHS, IRU-600	SNA-BWXXA1001238	-	88	-	88	-	0			-	-		-	-	-	
	WARRANTY PLUS IW - NA&C, 24 MONTHS, IRU-600, year 1-2 after															1	
	acceptance	SNA-BWXXA1002438	210.00	88	18,480.00	88	18,480.00	0	-		-	-		-		18,480.00	-
8.0030	WARRANTY PLUS IW, NA&C, 12 MONTHS, ODU-600	SNA-BWXXA1001243	-	38	-	38	-	0			-	-		-		-	
	WARRANTY PLUS IW, NA&C, 24 MONTHS, ODU-600, year 1-2 after															i I	
8.0040	acceptance	SNA-BWXXA1002443	210.00	38	7,980.00	38	7,980.00	0			-	-	l	-	1	7,980.00	-
	WARRANTY PLUS IW- WORLD WIDE ,12 MONTHS, CTR 87XX																
8.0050	w/Base or CE IMAGE	SWW-BWXXA1001253	-	32		32	-	0			-	-	l	-	1	i - I	-
	WARRANTY PLUS IW- WORLD WIDE ,24 MONTHS, CTR 87XX																
8.0060	w/Base or CE IMAGE, year 1-2 after acceptance	SWW-BWXXA1002453	149.00	36	5,364.00	32	4,768.00	4	596.00		-		l		1	5,364.00	-
	SOFTWARE SUPPORT PLUS - WORLD WIDE, 12 MONTHS, CTR							_									
	87XX-MPLS ADVANCED	SWW-SPLUA4001252		32		32		0					l		1		
	SOFTWARE SUPPORT PLUS - WORLD WIDE,24 MONTHS, CTR							-								-	
8 0080	87XX-MPLS ADVANCED, year 1-2 after acceptance	SWW-SPLUA4002452	349.00	36	12,564.00	32	11.168.00		1.396.00	Ι.			l		1	12.564.00	_
	PROVISION SUPPORT, 12 MONTHS 21-100 NODES, 24 X 7	SWW-PV24G2XX1299	040.00	1	12,004.00	1	11,100.00	7	1,000.00							12,004.00	
0.0090	PROVISION SUPPORT, 24 MONTHS, 21-100 NODES, 24 X 7, year 1-2	12402/01/200		— '				⊢⊸		<u> </u>	<u> </u>		 	— <u> </u>	\vdash	+	
0.0100	after acceptance	SWW-PV24G2XX2499	10.452.00	I 4	10.452.00	I 4	10.452.00	١ ،	1	I	ı	ı	I	I	1 /	10,452.00	
8.0100	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION	3***** *Z4GZXXZ499	10,452.00	<u> </u>	10,452.00		10,452.00	— "		— <u> </u>		· ·		— <u> </u>		10,452.00	
1 /	PLUS EM INTEGRATION FOR PROVISION MODULE TECHNOLOGY		l I	I	I !			ı	[I	1	l l	I	I	1 /	ı l	
		SWW-P24T3XXX1299	l I	I 4	I !	4			1	I	1	l l	I	I	1 /	ı l	
		344W-P2413AAA1299	<u> </u>	<u> </u>		1		-		— ·	<u> </u>	<u> </u>	-	<u> </u>			
	PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION		l I	I	I !			ı	[I	1	l l	I	I	1 /	ı l	
	PLUS EM INTEGRATION FOR PROVISION MODULE TECHNOLOGY	CHARL DO ATOVVVO 400	3.422.00	Ι.	3.422.00		3.422.00	١.]	I	1	l l	I	I	1 /	3.422.00	
		SWW-P24T3XXX2499	3,422.00	1	3,422.00	1	3,422.00	_ °	· ·	<u> </u>	_	· ·		<u> </u>		3,422.00	-
	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION		l I	I	I !			ı	[I	1	l l	I	I	1 /	ı l	
	PLUS HIGH AVAILABILITY MODULE PERPETUAL TECHNOLOGY	O11011 D0 171010110	l I	Ι.	I !	1		Ι.	I .	I	1	l l	I	I	1 /	ı l	
8.0130	LICENSE	SWW-P24T10XX1299	· ·	1 1		1	-	- 0	<u> </u>	<u> </u>	<u> </u>	· ·	L	<u> </u>		\vdash	-
, ,	PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION		l I	I	I !			ı	[I	1	l l	I	I	1 /	ı l	
	PLUS HIGH AVAILABILITY MODULE PERPETUAL TECHNOLOGY		ı	I	I I			I	I	I		I	I	I	1 /	i l	
8.0140	LICENSE	SWW-P24T10XX2499	20,530.00	1	20,530.00	1	20,530.00	0			-	-		-		20,530.00	-
1 7	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION		I	I				I					I	I		ı – –	
	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING		l I	I	I !			ı	[I	1	l l	I	I	1 /	ı l	
	TECHNOLOGY LICENSE BUNDLE	SWW-P24T12671299		1		1	-	0				-					-
	PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION			1				I						1		. —	
1 1	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING		ı	I	ı	1		ı	1	I	ı	ı	I	I	1 /	i l	
8.0160	TECHNOLOGY LICENSE BUNDLE	SWW-P24T12672499	5,133.00	1 1	5,133.00	1	5,133.00	0			-		I		1 /	5,133.00	-
				·									l		1		
1 .	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION			ı	1 1			ı	[I	ı	ı	I	I	1 /	ı l	
	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR																
		SWW-P24T12671253		32		32		0			-		l		1 1	۱ <u>ا</u>	
8.0170	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE	SWW-P24T12671253		32		32	-	0	-	-	-			-	—————————————————————————————————————	!	-
8.0170	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION	SWW-P24T12671253	-	32	-	32	-	0		-	-	-					-
8.0170	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR		- 99.00	32	3 168 00	32	3 168 00	0		-	-	-				3 168 00	-
8.0170	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE	SWW-P24T12672453	99.00	32 32	3,168.00	32	3,168.00	0	-	-	-			-		3,168.00	
8.0170	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR 8740 DEVICE LICENSE BUNDLE PROVISION PLUS SUPPORT 24 X 7, 24 MONTHS - PROVISION PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR		99.00	32	3,168.00	32	3,168.00	0	-	-	-	-	2.561.00	-		3,168.00	-

WARRANTY, TWO-YEAR HARDWARE EXTENDED WARRANTY	SYM-999-62002-02														
(COVERS 2 YEARS AFTER THE FIRST YEAR STANDARD	S1W-999-62002-02	l				II				1		l 1			1 1
8.0200 WARRANTY - TOTAL 36 MONTHS COVERAGE) (999-62002-02)		826.00	1 826.0	ı II	1 826.00			-	-	-	826.00				
8.0210 WARRANTY For RAD			0 -	TI .	-		-	-		-		-		-	-
RadCare Maintenance-Basic Service-5YR															
Promo-Warranty Coverage: All RAD equipment		l	1 1	II		II	l	l		l	l				1
purchases include one year of Basic Service plus		l	1 1	II		II	l	l		l	l				1
includes: I 5 years* of hardware warranty. 24*7 Priority support, call handling and software upgrades:		l	1 1	II		II	l	l		l	l				l
RAD _i 's standard hardware warranty			1 1	III		II	l	l		l	l				1
Software updates for covered product(s)		l	1 1	II		II	l	l		l	l				1
8.0220 Technical assistance on general inquiries	LSNetwork(TBD)	18,497.00	0 -	III .	1 18,497.00	-1	(18,497.00)	-	-	-				-	-
9.0000 Services*	• •		0 -		-		-	-	-	-		-	-		-
9.0010 RADIO INTEGRATION	SVCS-IN-SIPQ-RI	95,524.00	1 95,524.0		1 95,524.00			-	-		95,524.00				-
9.0020 RADIO INTEGRATION - Routers 9.0030 VENDOR INTEGRATION	SVCS-IN-SIPQ-RI SVCS-IN-SIPQ-VI	23,061.00 26,868.00	1 23,061.0 1 26,868.0		1 23,061.00 1 26,868.00	9	<u> </u>	-	-	· ·	23,061.00 26,868.00			-	-
9.0030 VENDOR IN LEGRATION 9.0040 RAD configuration services	LSNetwork(TBD)	6,191.00	1 26,606.0	1	1 6.191.00	1	(6,191.00)	<u> </u>	-	<u> </u>	20,000.00		- :		
9.0050 CUSTOMER ACCEPTANCE TESTING	SVCS-IN-SIPQ-AT	6,419.00	1 6.419.0	H .	1 6,419.00	1	(0,191.00)	-	-	- :	6.419.00	- :	- :	- :	
9.0060 CONFIG ENG / DOCUMENTATION / DRAFTING	SVCS-IN-SS-CEDFT	42,628.00	1 42,628.0		1 42,628.00			-	42,628.00	-	-	-		-	-
9.0070 NETWORK/SYSTEM ENGINEERING	SVCS-PN-EN-SE	88,768.00	1 88,768.0		1 88,768.00			-	88,768.00	-		-		-	-
9,0080 NETWORK/SYSTEM ENGINEERING - Routers	SVCS-PN-EN-SE	18,384.00	1 18,384.0		1 18,384.00				18,384.00	-		-			-
9.0090 FREQUENCY COORDINATION AND FCC LICENSE	SVCS-PN-EN-XE	58,592.00	1 58,592.0		1 58,592.00		-	58,592.00	-					-	-
9.0100 PATH SURVEY 9.0110 PROGRAM MANAGEMENT	SVCS-PN-EN-XE	123,309.00	1 123,309.0		1 123,309.00		-	123,309.00	-	-				-	-
9.0110 PROGRAM MANAGEMENT 9.0120 PROJECT MANAGEMENT including site survey	SVCS-IN-PM-PM SVCS-IN-SS-PE	154,017.00 172,364.00	1 154,017.0 1 172,364.0		1 154,017.00 1 172,364.00	H - 5	<u> </u>	7,700.85 146,509.40	46,205.10 25,854.60	<u> </u>	30,803.40	15,401.70	53,905.95	-	-
9.0120 PROJECT MANAGEMENT including site survey 9.0130 FIELD INSTALLATION: Antenna System	SVCS-IN-SS-PE SVCS-IN-IC-FI	772,935.00	1 1/2,364.0	11	1 1/2,364.00	11 -	- :	140,509.40	25,854.60		-	463.761.00	309.174.00	-	
9.0140 FIELD INSTALLATION; Radio installation, testing and cut over	SVCS-IN-IC-FI	291,185.00	1 291,185.0		1 291,185.00	1	<u> </u>	-	-	-	l	174,711.00	116,474.00	-	<u> </u>
9 0150 FIFLD INSTALLATION: final testing and 30 days burn in	SVCS-IN-IC-FI	172,513.00	1 172,513.0		1 172,513.00			-		-		103,507.80	69,005.20	-	-
9.0160 FIELD INSTALLATION; Radio Testing and cut over - Routers	SVCS-IN-IC-FI	23,060.00	1 23,060.0		1 23,060.00		-					13,836.00	9,224.00	-	
9.0170 FIELD INSTALLATION; Equipment Removal	SVCS-IN-IC-FI	44,679.00	1 44,679.0		1 44,679.00		-		-	-		26,807.40	17,871.60	-	-
9.0180 Warehousing	SVCS-IN-IC-AS	18,016.00	1 18,016.0	1	1 18,016.00	-	-	-	-	-	18,016.00	-	-	-	-
9.0190 Skylawn - San Matep PD Services* (Factory integration and Field installation will be done at the		-	0 -	-	-		<u> </u>	-	-			-	-	-	-
9.0200 same time as part of main system. The service pricing		l	l al	II		Ш,	l	l		l	l				1
9.0210 RADIO INTEGRATION	SVCS-IN-SIPQ-RI	3,018.00	1 3,018.0		- :	1	3,018.00	-		-	3,018.00	- :	- :	- :	
9.0220 RADIO INTEGRATION - Routers	SVCS-IN-SIPQ-RI	970.00	1 970.0			1	970.00				970.00			-	
9.0230 VENDOR INTEGRATION	SVCS-IN-SIPQ-VI	642.00	1 642.0		-	1	642.00	-	-	-	642.00		-		-
9.0240 CONFIG ENG / DOCUMENTATION / DRAFTING	SVCS-IN-SS-CEDFT	1,132.00	1 1,132.0		-	_	1,132.00		-	-	1,132.00			-	-
9.0250 NETWORK/SYSTEM ENGINEERING	SVCS-PN-EN-SE	2,342.00	1 2,342.0			1	2,342.00	-	-			-	2,342.00		-
9.0260 NETWORK/SYSTEM ENGINEERING - Routers 9.0270 FREQUENCY COORDINATION AND FCC LICENSE	SVCS-PN-EN-SE SVCS-PN-EN-XE	1,280.00	1 1,280.0		-	1	1,280.00	-	-	-		-	1,280.00	-	-
9.0270 FREQUENCY COORDINATION AND FCC LICENSE 9.0280 PATH SURVEY	SVCS-PN-EN-XE SVCS-PN-EN-XE	1,572.00 3,033.00	1 1,572.0 1 3,033.0		-	-	1,572.00 3,033.00	<u> </u>	-	<u> </u>		-	1,572.00 3,033.00	-	-
9.0280 PROGRAM MANAGEMENT	SVCS-PN-EN-XE SVCS-IN-PM-PM	4.126.00	1 3,033.0		- :	1	4.126.00	<u> </u>	-	- :		- :	3,033.00 4.126.00	-	
9.0300 PROJECT MANAGEMENT including site survey	SVCS-IN-SS-PE	4,616.00	1 4.616.0		-	1	4,616.00		-	-		-	4,616.00	-	
9,0310 FIELD INSTALLATION; Antenna System	SVCS-IN-IC-FI	18,763.00	1 18,763.0			1	18,763.00	-	-				18,763.00		-
9.0320 FIELD INSTALLATION; Radio installation, testing and cut over	SVCS-IN-IC-FI	6,983.00	1 6,983.0)	-	1	6,983.00		-	-		-	6,983.00		-
9.0330 FIELD INSTALLATION; final testing and 30 days burn in	SVCS-IN-IC-FI	4,986.00	1 4,986.0			1	4,986.00		-				4,986.00	-	-
9.0340 FIELD INSTALLATION; Radio Testing and cut over - Routers 9.0350 FIELD INSTALLATION; Equipment Removal	SVCS-IN-IC-FI SVCS-IN-IC-FI	1,178.00	1 1,178.0		-	1	1,178.00	-	-	-		-	1,178.00	-	-
9.0350 FIELD INSTALLATION; Equipment Removal 9.0360 Warehousing	SVCS-IN-IC-FI SVCS-IN-IC-AS	3,140.00 483.00	1 3,140.0 1 483.0		-	1	3,140.00 483.00	-	-	-		-	3,140.00 483.00		-
9.0370 FREIGHT *	FREIGHT	4,239.00	1 4,239.0		- :	-	4,239.00			- :	4,239.00	- :	403.00		
9.0380 One time management discount	EQ DISCOUNT	(1,507.00)	1 (1,507.0			1	(1,507.00)		-		(1,507.00)			-	
9.0390 Service Changes			0	1	-		-	-	-	-	(1,001.00)	-	-	-	-
9.0400 Manlift for accessing Monopole Skylawn	SVCS-IN-IC-FI	11,587.00	1 11,587.0		-	1	11,587.00	-	-	-			11,587.00		-
9.0410 Crane to get Wall mounts to the rooftop at EPA	SVCS-IN-IC-FI	9,652.50	1 9,652.5				9,652.50		-				9,652.50	-	-
9.0420 Manlift for accessing Daly City	SVCS-IN-IC-FI	5,720.00	1 5,720.0		-	1	5,720.00		-	-			5,720.00	-	
9.0430 Manlift for Sweeny 9.0440 New Conduit needed from tower to Shelter at Sweeny Ridge	SVCS-IN-IC-FI SVCS-IN-IC-FI	4,119.00 19.305.00	1 4,119.0 1 19.305.0		-	H - 3	4,119.00 19.305.00	<u> </u>	-	<u> </u>	-		4,119.00 19.305.00	-	-
9.0440 New Conduit needed from tower to Shelter at Sweeny Ridge Additional installation services for parallel operation on Pescadero to	3VC3-IIV-IC-F1	19,305.00	19,305.0	11		Н ,	19,305.00	<u> —</u> —		⊢ •	-		19,305.00		
9.0450 North Peak path	SVCS-IN-IC-FI	6,175.00	1 6,175.0	.II	1	II ₁	6,175.00	Ι.		Ι.	l	I . I	6,175.00		1 .
9.0460 Additional Installation service for 2069 ft of extra waveguide	SVCS-IN-IC-FI	40,512.00	1 40,512.0	11	-	11	40,512.00	-	-			- :	40,512.00	-	-
10.0000 Training*			0 -										-		
ECLIPSE/PV: INSTALLATION, OPERATION AND MAINTENANCE -															
ILT- BUNDLE, 5 DAYS, CUSTOMER LOCATION-WITH EQUIPMENT-			I I .	II		II	l	I			I	j			1
10.0010 ONLY FOR US- 10 STUDENTS MAX	TRN-GP-ECLPV-D	22,117.00	1 22,117.0	-	1 22,117.00	1	<u> </u>	<u> </u>	-	22,117.00	ļ			-	-
CTR8740 L2/PV+: Installation, Operation and Maintenance - ILT-		I	1 1	II		II	I	I		I	l		1		1
Bundle, 5 DAYS, Customer Location-with Equipment- only for US- 10 10.0020 Students Max	TRN-GP-CTR87PVP-D	20.258.00	1 20,258.0	Ш .	1 20,258.00	II -	Ι.	l .		20,258.00	I	1 . !		l .	1
Onsite training on all RAD equipment using equipment provided by		20,230.00	20,256.0	il .	20,230.00	Н "	<u> </u>	<u> </u>		20,230.00		-			
10.0030 RAD. Up to 10 students	LSNetwork(TBD)	20,664.00	0 -	II .	1 20,664.00	II -1	(20,664.00)		-			.		-	1 -
11.0000 SYSTEM DISCOUNTS	` ′	1	0 -	11	0 -		-		-					-	-
11.1000 One time management discount (Legacy Customer Discount)	EQ DISCOUNT	(626,429.00)	1 (626,429.0		1 (626,429.00)		-		_	_	(626,429.00)		-	_	-
11.2000 23-2022	EQ DISCOUNT	(62,969.00)	1 (62,969.0)	1 (62,969.00)			-	-	-	(62,969.00)	-	-	-	-
11.2010 FREIGHT*	FREIGHT	72,135.00	1 72,135.0		72,135.00						72,135.00			-	-
11.3000 ADDITIONAL SINGLE DISCOUNT FOR EQUIPMENT	EQ DISCOUNT		1 (8,236.0)		1	(8,236.00)		-		(8,236.00)		-		
Applicable tax, 9.875%, Excluding items marked with * which are not		I	1 .1	II	.]	Ш.	I	I		I	l		1		1
12.0000 subject to tax 12.1000 Tax. 9.875%		229.062.00	0 - 1 229.062.0	- 11	1 179,498,00	1 - 2	49.564.00	<u> </u>	-	<u> </u>	229.062.00	H :		-	
13.0000 Additional TDM, Loop switch cards for hardware redundancy		229,002.00	0 -	11	1/9,496.00	1	49,364.00				229,002.00	⊢	-	-	1
13.0010 Additional NCM for hardware redundancy		1	i i	11	0 -	Н `		-		-					

13,0020NETWORK CONVERGENCE MODULE (NCM)	0 -			
13,0004 ECLIPSE_DAC 16XEUTOST V3. PROTECTABLE		-		
13,0569 2x. HGR-ESD TOY JOIN TO ZAMMY FREE END 3.5M G37-579408-003 237-00 0		-		
Additional DSS Mix Card to interconnect loop INUs to Spuri INUs on		-		-
13,0006 Ings alien		-	-	-
13.0070 DC. 3XE30SSM MUNED TO E LIDES BUS EXAMINED TO SUM-LINE BNC TO SUM-LINE CONTROL STATE OF THE STATE OF		-		-
CABLE, TRIBLE SIZOSS, UNBALANCED SLIM-LINE BRY TO SLIM-LINE 1 30,008 DAG SIZOS SETERS 1 1,000 A 1,000		-		-
13,0006 BMC, 5 METERS 037-579249-011 35,00 0		-	-	-
13,0096 Addisional T1 cards for RAD 4100 DACs for hardware redundancy LSNetwork TED 10,656.00 0 1 10,656.00 0 1 10,656.00 0 1 10,656.00 0 1 10,656.00 0 1 10,656.00 0 1 10,656.00 0 0 1 10,656.00 0 0 0 1 10,656.00 0 0 0 0 0 0 0 0 0		-	-	-
13/10/08/RAD 4100 DAC11 cardes		-	-	-
13.0110 FREICHT FREICHT FREICHT FREICHT 669.00 1 669.00 0 669.00 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 0 - 669.00 1 669.00 1 669.00 0 - 669.00 1 669.0	0 -	-	-	-
13.0110 FREICHT FREICHT FREICHT 669.00 1 669.00 0 669.00 699.00 1 669.00 0 669.00 699.00 1 669.00 0 669.00 1 669.00 0 669.00 1 609.00 0 669.00 1 609.00 0 669.00 1 609.00 0 669.00 1 609.00 0 669.00 1 609.00 0 609.00 1 609.00 0 609.00 1 609.00 0 609.00 1 609.00 0 609.00 1 609	0 -	-	-	-
13,0120 subject to tax	0 -	-		-
13,0120 subject to tax	0 -	-	-	-
14.0000 Feature Isomete to support SynCir on Eclipse ratios	0 -		-	-
14.0016 SYNCHRONOUS ETHERNET NODAL LICENSE for DAC GES	0 -	-		-
14,0000 Office feature (scenese)	- 0 - 0 - 0 - 0 -	-		
14,0039 ADAPTIVE MODULATION NODAL RACGORKK06E6KE/F0	0 -	-		
14.0040 PAYLOAD ENCRYPTION NODAL RAC707/K905K9069E0KE EZF-04	0 -	-		
14.0096 RADIUS CLENT, NODA. CENTRALIZED USER ACCT MGMT	0 -		- :	
Applicable tax, 9875%, Excluding items marked with "which are not 1 16,142.00 1 16,110.00 1 16,110.00 0	0 -			
14.0006 subject to tax	-		_	
15,0000 Feature Isomere to support 158/02 PTP on MPLS Touter	-	-		
CIT R 2700 1588/2 PTP TRANSPARRENT CLOCK (ORE LICENSE PER CF-67100 483.00 34 16.422.00 32 16.422.00 2 966.00 - 16.422.00 CTR 8700 SECURE AUTHENTICATION CLIENT, CENTRALIZED USR CF-67050 34 16.422.00 32 16.422.00 2 966.00 - 16.422.00 16.202.00 17.344.00 32 7.344.00 2 432.00 - 7.344.00 17	, -			
15.0010 CH-SSIS 15.0010 CH-SSIS 2 16.422.00 2 966.00 - 16.422.00 16.422.00 2 966.00 - 16.422.00 16.422.00 2 966.00 - 16.422.00 16.422.			-	-
CTR 97/05 SEQURE AUTHENTICATION CLIENT, CENTRALIZED USR C2F-67/050 15.00.00 ACCT WITH TACACS+ (ONE LICENSE PER CHASSIS) Applicable tax, 937/95, Excluding Items marked with "which are not 1.00.003 subject to tax 15.00.00 subject to tax CTR 27/00 11 2,347.00 1 2,347		1	I	
15,0020 ACCT WITH TACACS* (ONE LICENSE PER CHASSIS) 216.00 34 7,344.00 32 7,344.00 2 432.00 - 7,344.00	. —		-	-
Applicable tax, 9.875%, Excluding Items marked with * which are not 15.00030 subject to tax CTR 200 1 2,347.00 1 2,347.00 1 2,099.00 2,347.00 1 2,009.00 2,347.00 1 2,009.00	1		1	
15.0030 subject to tax				
15.0030 subject to tax	T			
CTR 8700 1588v2 PTP TRANSPARENT CLOCK (ONE LICENSE PER	- ا	1 .		- 1
	1			
15.0040 CHASSIS) - UPGRADE CZG-67100 - 2				
	1			
CTR 8700 SECURE AUTHENTICATION CLIENT, CENTRALIZED USR				
15.0050 ACCT WITH TACACS+ (ONE LICENSE PER CHASSIS) - UPGRADE	I .	1 .		
15.0000 Recommended Spares 0 - 0 - 0	+ :	+ :	+ :	
15.0010 (Indoor Unit 1				
ECLIPSE. INTELLIGENT NODE UNIT 2RU, INC IDCE, FAN, NCCV3, 16 non-life OUTPUT 1	.	1		
		<u> </u>	-	-
16,0030 NODE PROTECTION CARD, HIGH OUTPUT EXS-002 230.00 2 460.00 0 460.00			-	-
16.0040 RAC 70v2, QPSK-4096QAM, NO XPIC, ACM EXR-700-002 648.00 6 3,888.00 0 3,888.00		<u> </u>	-	-
16.0050 AUX, ALARM VO CARD EXA-001 203.00 2 406.00 0 406.00			-	-
16.0060 DAC GE3 GIGABIT ETHERNET SWITCH CARD EXD-181-002 731.00 6 4,386.00 6 4,386.00 0 4,386.00		-	-	-
16.0070 NETWORK CONVERGENCE MODULE (NCM) EXD-400-002 974.00 4 3,896.00 4 3,896.00 0 3,896.00	0 -		-	-
16.0080 ECLIPSE, DAC 16XE1/DS1 V3, PROTECTABLE EXD-161-002 256.00 6 1,536.00 0 1,536.00) -	-	-	-
DAC 1550M/v3, 1XSTM1/OC3 MUXED TO 63E1/84DS1, OPTICAL (NO				
16.0090 SFP) EXD-155-001 1,000.00 0 2 2,000.00			-	
16.0100 NODE SW LICENSE, 800 Mbps TOTAL RADIO PAYLOAD CAPACITY EZE-08007 3,896.00 2 7,792.00 0 7,792.00	ა -		-	
16.0110 Feature License	-		-	
16.0120 SYNCHRONOUS ETHERNET NODAL LICENSE for DAC GE3 EZF-09 129.00 2 258.00 0 258.00 - 258.00	5 -		-	
16.0130 SECURE MANGEMENT, INU, Inc SNMPV3 NODAL EZF-03 389.00 2 778.00 2 778.00 0 778.00	0 -		-	
16.0140/Radio spares 0 0 - 0 - 0	4	+ - :	 	t :-
16.0196 RFU, MP, IRU600v4 IF TR, 10.5-11 GHz, 10500-11700 MHz ERM-ACC-401 4,870.00 2 9,740.00 2 9,740.00 0 9,740.00	al	 		
16.0159 PPC J. MP. RUB00W IF TR. 5.8-FU GPL 275-7125 MHz ERMATT-01 4.870.00 2 9.740.00 0 9.740.00 1 - 9.740.00				
		 		
100110000 0015, 10 015, 1 0110001 1011100001 MPEDIPIO 2,997.00 0 2,099.00 0 2 2,099.00 0 ° ° ° ° 2,099.00	4	+		<u> </u>
, , , , , , , , , , , , , , , , , , , ,	1	1	1	1
16,0180 ODU 600v2, 11 GHZ, PLANNING PART NUMBER M-ECH-11 2,987.00 4 11,948.00 0 11,948.00	- ا	1 .	1 -	
16.0190 RFU, EHP, IRU600W4 IF TR, 11 GHz, 10700-11700 MHz ERE-ABB-401 7,467.00 2 14,934.00 0 - 14,934.00 0 - 14,934.00				
RFU, EHP, IRU600v4 IF TR, U6 GHz, 6400-7125 MHz (one spare	1	1	1	
16.0200 already provided) 7.467.00 1 7.467.00 0 7.467.00	a -	1 .	I -	
10.02.00 jaintening fromtering 1 7,407.00 1	1 ÷	1 :	t :	t - : 1
	+	†	 	t
Includes 3x 10G SFP+ cage, 8x 1G SFP cage, 4x 1G RJ45, fan	1	1	I	
16.0220 assembly, SD card and BASE software CTE-740-001 2,536.00 0 3 7,608.00 0		· ·		
SFP+ OPT TRANSCEIVER, 10Gbit-LR/LW, 1310nm, 10km, SM,	1	1	1	1
16.0230 DUPLEX, LC, I TEMP (LX4002IDR-AAN) 079-422678-001 166.00 3 498.00 3 498.00 0 - 498.00	. ا	1 .	1 -	
16.0240 SFP OPT GIGE 1310nm SMF LC 10KM 0 to 70C 079-422656-001 86.00 3 258.00 3 258.00 0 258.00	- اد		1 -	
GIG ETH SFP, ELEC RJ45 1000BASE-T, CTR ONLY (with RX LOS)	1		1	
16.0250 (LX1801CNL-AAN) 083-845537-001 87.00 24 2,086.00 24 2,086.00 0 2,086.00	a l -	1 .	1 -	
16.0250 CTR 8700 Series R3 MPLS Software License CZL-67350 1.827.00 3 5.881.00 3 5.481.00 0 5.481.00		+ :	<u> </u>	
	+	 		
CTR 8700 1588v2 PTP TRANSPARENT CLOCK (ONE LICENSE PER	1	1	I	
16.0270 CHASSIS) CZF-67100 483.00 3 1,449.00 0 1,449.00 1 1,449.00	- ـ	1	L	
CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE				
16.0280 PER CHASSIS) CZF-67060 585.00 3 1,755.00 0 1,755.00				
CTR 8700 HIGH AVAILABILITY SWITCH / ROUTER WITH RADIO	1	1	1	
16.0290 PROTECTION (ONE LICENSE PER CHASSIS) CZF-67125 710.00 3 2,130.00 0 2,130.00	ء ا د	1 .	1 -	
Cable, GSF-DD to QSF-DD. Diversity cable, 1.0M (C45593-A571-	1	+	† i	t
16,0300 [D10] 037-579807-001 322.00 3 966.00 0 966.00	a l -	1 .	1 -	
103050 DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, 50000 DIRECT ATTACH STACKING CABLE, TWI	+	 		
DIRECT AT DACH STACKING CARLE, TWIN-AX, SPP 10 SPP 1, 10 1	۰Ι	1	1	1
10,00 to 10				

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			I I			1 1		4	()	1	i l	, !	('	1 '			
16.0320	4100 Microsemi GPS Clock- SPARE			0		0		0		-	-			-	-	-	-
	CLOCK, PRECISE TIMING GATEWAY CLOCK, TP4100 BASE UNIT	SYM-090-14000-003	13.823.00				13.823.00		(13.823.00)		(I						
16.0330	WITH RUBIDIUM ANTENNA AND CABLE KIT, FOR PRECISE TIMING GATEWAY	SYM-990-15202-225	13,823.00	0	-	1	13,823.00	-	(13,823.00)	$\overline{}$				<u> </u>			-
l	CLOCK TP4100, CABLE 200FT, LIGHTNING ARRESTOR KIT AND	S F M-990-15202-225	1 1				ı I	4	(I		i I	, ,	1 '	1 '	1 1		
16.0340			1,409.00	0		0			(- I		i - I	!	1 . !	1 . !			-
16.0350	Warranties for 4100 Microsemi GPS Clock			0		0		0		-	-	-		-		-	
	WARRANTY, THREE-YEAR PLATFORM MAINTENANCE (999-62007-	SYM-999-62007-03															
16.0360			2,561.00	1	2,561.00	1	2,561.00						2,561.00	┷	-		-
l	WARRANTY, TWO-YEAR HARDWARE EXTENDED WARRANTY (COVERS 2 YEARS AFTER THE FIRST YEAR STANDARD	SYM-999-62002-02	1 1				ı I	4	(I		i I	, ,	1 '	1 '	1 1		
16 0370	WARRANTY - TOTAL 36 MONTHS COVERAGE) (999-62002-02)		826.00	1	826.00	1	826.00		(. l		i . I	!	826.00	1 . !	1		
16.0380	NTP Reflector License (included in base price)	NSM-920-14000-001	- 020.00	ó	-		- 020.00	Ť					- 020.00				
16.0390	HARDWARE			0	-		-	0	-	-	-	-		-	-	-	-
16.0400		LSNetwork(TBD)	9,843.00	0		1	9,843.00	-1	(9,843.00)	-	-	-		-	-	-	
16.0410	DEHYDRATOR, AUTOMATIC DEHYDRATOR, W/LP ALRM; 0.2 SCFM,120V			0					\vdash								-
l	60HZ,320W,380VA,MODEL APD20-D (APD20-D-35XH0R00S0)		1 1				ı I	4	(I		i I	, ,	1 '	1 '	1 1		
16,0420	(Spare)	RFS-APD20-D	1.940.00	n		[1.940.00	4 4	(1,940.00)			!	1 . !	1 . !	1		
	FREIGHT *	FREIGHT	1,465.00	1	1,465.00	1 1	1,465.00	0		-	-		1,465.00			-	-
	CTR 8740 microwave router, SR-MPLS, High Availability capable.							1									
	Includes 3x 10G SFP+ cage, 8x 1G SFP cage, 4x 1G RJ45, fan	075 710 000]		[, 1	4 .	1	, I	ı l	, !	1!	1 '	1 !	, !	
16.1320	assembly, SD card and BASE software CTR 8700 SECURE AUTHENTICATION CLIENT, CENTRALIZED USR	CTE-740-002 CZF-67050	2,536.00	3	7,608.00			1 3	7,608.00				7,608.00	——			-
16 1330	ACCT WITH TACACS+ (ONE LICENSE PER CHASSIS)	GZF-6/050	216.00	3	648.00				648.00	ا . ا	ا با	!	648.00	1 . !			_
17.0000			-	0	- 040.00	0	- :	1 6	340.00			- : 	040.00	- :	- :	-	-
17.0010	KIT, UNIV PIPE MOUNT, 4 1/2" X 63" (PM-SC4-63)	AND-PM-SC4-63	723.00	0		61	44,103.00	-61	(44,103.00)							ایت	
	KIT, UNIV PIPE MOUNT, 4 1/2" X 96", SUPPORTS UP TO 8" ANGLE								-								
17.0020	LEGS (PM-SC4-96)	AND-PM-SC4-96	1,209,00	0		14	16.926.00	-14	(16.926.00)			!	1 . !	1 . !		!	
17.0030	MICROWAVE SADDLE MT SUPPORT ANGLE, 6FT (MD-SSA6)	AND-MD-SSA6	599.00	0	-	14	8,386.00	-14	(8,386.00)	-		- 1	-	-	-	-	-
17.0040	Installation new pipe mount*	SVCS-IN-IC-FI	47,622.00	1	47,622.00	1	47,622.00	0		-	-	-			47,622.00	-	-
17.0040 17.0050		FREIGHT	8,533.00	1	8,533.00	1	8,533.00			-			8,533.00			-	-
17.0050	Antenna Mount Hardware including Freight Additional material and service required for parallel existing hops during	SVCS-IN-IC-FI	65,756.00	- 1	65,756.00			+-	65,756.00	\rightarrow	-				65,756.00	-	-
18.0000			1 1	0		0			(. I			!	1 '	1 . !			
18.0010		SVCS-IN-IC-FI	21,750.00	1	21,750.00	1	21,750.00	-	-	-	-	-			21,750.00	-	-
18.0020	Additional labor required parallel option*	SVCS-IN-IC-FI	42,822.00	1	42,822.00	1	42,822.00			-		-	21,411.00		21,411.00	-	-
18.0030		FREIGHT	269.00	1	269.00	1	269.00	_	-		-	لــــــــا	269.00				-
19.0000	Frequency Assurance Services: Software for 7 Hops of 6 GHz links, 10 Years Support		I I				ı I	d .	(I		i I	. !	1 '	1 '	1	, !	
19.0000	FAS Software & Support (for (6 ; Links: 6GHz[New]:5GHz links) (10							_	\vdash		-	-				-	
19.0010		FAS-CAPEX	6,064.00	5	30,320.00	5	30,320.00	4	(I		I	!	30,320.00	1 - 1			-
	to Half Moon Bay 4. North Peak to Pigeon Point 5 North Peak to													,			
19.0020	Pescadero		I I				ı I	d .	(I		i - I	!	1 '	1 . !			-
	Applicable tax, 9.875%, Excluding items marked with * which are not								$\overline{}$								
19.0030	subject to tax		2,994.00	1	2,994.00	1	2,994.00	_	-	-	-		2,994.00		-	-	-
20.0000	LMR integration with the microwave upgrade project* LMR integration with the microwave upgrade project*	SVCS-IN-IC-AS	521.449.00	0	521.449.00	0	521,449.00			13.036.23	13.036.23		495.376.55		-		-
	Network Health Services	avua-in-lU-AS	521,449.00	1	521,449.00	1	521,449.00	-	\vdash	13,036.23	13,036.23		495,3/6.55	- : '		_ = =	-
	Network Health monitoring and report per link for 10 years (including		\vdash				-	1	\vdash	-						-	
21.0010	Software Upgrades and Technical Support	SWW-HSHAS7X61299	199.00	380	75,620.00	380	75,620.00			-	السل	لــــــــــــــــــــــــــــــــــــــ			15,124.00	60,496.00	-
04.00	Applicable tax, 9.875%, Excluding items marked with * which are not		2.02		2 402 ***			4					2.405.11				
21.0020	subject to tax		7,467.00	1	7,467.00	1	7,467.00	—					7,467.00	——			-
22 0000	Three (3) additional years warranty after acceptance (total of 5 years after acceptance)			0		0			(.)		ا با	!	('	1 . !			_
22.0010	WARRANTY PLUS NW - NA&C, 12 MONTHS, IRU-600	SNA-BNWXA1001238	236.00	88	20,768.00	88	20,768.00	1 -	\vdash		- :			- :	4,153.60	16,614.40	-
22.0020	WARRANTY PLUS NW - NA&C, 12 MONTHS, IRU-600	SNA-BNWXA1001238	236.00	88	20,768.00	88	20,768.00			-	-	-			4,153.60	16,614.40	-
I	I		ı 7				, 7	4 -	(7	. 7	, 7	, 7	1 7	1 7	1 7	, 7	
22.0030	WARRANTY PLUS NW - NA&C, 12 MONTHS, IRU-600	SNA-BNWXA1001238	236.00	88	20,768.00	88	20,768.00	4				!		1 . !	4,153.60	16,614.40	-
22.0040	WARRANTY PLUS NW - NA&C, 12 MONTHS, ODU-600	SNA-BNWXA1001243	244.00	38	9,272.00	38	9,272.00			-	-			-	1,854.40	7,417.60	-
22.0050		SNA-BNWXA1001243	244.00	38	9,272.00	38	9,272.00	=	\Box						1,854.40	7,417.60	-
22.0060	WARRANTY PLUS NW - NA&C, 12 MONTHS, ODU-600 WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE	SNA-BNWXA1001243	244.00	38	9,272.00	38	9,272.00	_	\longmapsto				└─ ─		1,854.40	7,417.60	-
22.0070	MARKANTY PLUS NW- WW, 12 MONTHS, CTR 87XX W/B8SE OF CE	SWW-BNWXA1001253	193.00	52	10,036.00	52	10,036.00	4	(I		i . I	!	1 !	1 . !	2,007.20	8,028.80	
	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE			- OZ		52		-	$\overline{}$		$\overline{}$	-	$\overline{}$				
22.0080	IMAGE	SWW-BNWXA1001253	193.00	52	10,036.00	52	10,036.00	4	1		ا		'		2,007.20	8,028.80	
	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE							4	(I		i I	, ,	1 '	1 '			
22.0090	IMAGE WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE	SWW-BNWXA1001253	193.00	52	10,036.00	52	10,036.00	-	\vdash					——	2,007.20	8,028.80	-
22.0100	IMAGE	SWW-BNWXA1001253	193.00	32	6,176.00	32	6,176.00	4	(I			!	1 !	1 . !	1,235.20	4,940.80	-
	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE							1									
22.0110	IMAGE	SWW-BNWXA1001253	193.00	32	6,176.00	32	6,176.00	—	\longrightarrow				igspace		1,235.20	4,940.80	-
22.0120	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE	SWW-BNWXA1001253	193.00	22	6.176.00	22	6.176.00	1	1 1	١	ا ا	۱ . ۱	1 1		1.235.20	4,940.80	

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Processor From the September 14 of 1 January 1997 1997	l			1 1				ı	ı	l	l				l			
April Comment Commen	22.0130		SWW-P24T3XXX1299	1,540.00	1	1,540.00	1	1,540.00			-	-	-			308.00	1,232.00	-
22-06-0018	l	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION		1 1				ı	ı	l					l			
### PACKAGE AND ASSESSMENT SET ALL CREATION FROMOGRAPHS 1,6400 1,14600			CHEN DO ATOVYVA 200						ı	l	l				l			
April 0.00 1.66 1	22.0140		5WW-P2413AAA1299	1,540.00	1	1,540.00	1	1,540.00	⊢		-		-		· ·	308.00	1,232.00	-
2,000 1,00	l			1 1				ı	ı	l	l				l			
### PROVIDENT NOT SERVICE PROVIDENT SERVICES 1979 1 9,200 1	22.0150		SWW-P24T3YYY1200	1 540 00	4	1 540 00	II 4	1 540 00	ı	l	l				l	200.00	1 222 00	
April Company Compan	22.0130	PROVISION PLUS SUPPORT 24 X 7 12 MONTHS - PROVISION	011111 2410000(1200	1,340.00		1,340.00	1	1,340.00	_	!					_ ·	300.00	1,232.00	
2-200 Company Compan	l			1 1				ı	ı	l	l				l			
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2200 1.6	l			1 1				ı	ı	l	l				l			
Published AvanApallar MoOule Propertial From Conference Security Secu	22.0170		SWW-P24T10XX1299	9,239.00	1	9,239.00	1	9,239.00	ı	l	-	-	-			1,847.80	7,391.20	-
2200 1 2200 1		PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION																
PROVISION FLUID SEPTION AND A TEMPORATION 2,280.0 2,280.0 2,280.0 1,280.0	l			1 1				ı	ı	l	l				l			
PUIS DAM CE, PALT & PERFORMANCE A PROVISIONING WEST DAY OF THE SUPPORT SET AND STATEMENT PROVISIONS WEST DAY OF THE SUPPORT SET AND STATEM	22.0180		SWW-P24T10XX1299	9,239.00	1	9,239.00	1	9,239.00			-	-	-		-	1,847.80	7,391.20	-
2200 TECHNIC CON LICENSE BURGLE. 2300 TECHNIC CON LICENSE BURGLE. 2400 T		PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION																
##OVERSION PLUS EMPORT 32 X 7 12 MORTHS - PROPOSIONE ##OVERSION PLUS EMPORT 32 X 7 12	l			1 1				ı	ı	l	l				l			
NUS BAN & CL. FALL & PERFORMACE & PROVISIONING 1,000 1,0	22.0190		SWW-P24T12671299	2,309.00	1	2,309.00	1	2,309.00			-	-	-		-	461.80	1,847.20	
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PLUE DAY & C.F. PALE A. PERPORANCE & PROVISIONAL OF PROVISIONAL PROVISIONAL PROVISIONAL PROVISIONAL PROVISIONAL PROVISIONAL PROVISIONAL CERT PALE BASE & C.F. PALE & PROVISIONAL CERT PROVISIONAL	22.0200		5+VVV-P'24 120/ 1299	2,309.00	1	2,309.00	1	2,309.00	-		⊢ – –	<u> </u>	-		<u> </u>	401.80	1,047.20	
20000 TECHNICO OF LICENSE BURDLE 20000 1 2,000	I	PLUS EM & CE FAULT & PERFORMANCE & PROVISIONING							ı	I	I				I	1		
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PLUE BIA G.C. FLATA. A FERFORMANCE AND FORMANCE AND SOME POLYSPONSON SOME	22.0210		5.888-F241120/1289	2,305.00		2,308.00	-	2,308.00	-		-				-	401.00	1,047.20	
2 2020 Prio EPICKE LECTURE BUNGE C. 7. 3200 PM. PROTECTION F. PROTECTION C. T. PROTECTION C	I	PLUS EM & CE FAULT & PERFORMANCE & PROVISIONING CTR							ı	I	I				I	1		
PROVISION PLUS SUPPORT 2X 7, 12 MONTHS - PROVISION DE CENTRAL	22 0220		SWW-P24T12671253	44.00	52	2 288 00	52	2 288 00	I	I	I .			I	Ι.	457 60	1 830 40	_
PLUS BLA CE. PLATE A PERFORMANCE A PROVISIONING CTR PLUS BLA CE. PLATE				44.00	- 02	2,200.00	0.2	2,200.00	-							401.00	.,500.40	
22020 Prod DEVICE LICENSE BURNEL PLANS DA CE: PAULT REPROPRISED BURNEL PROPRISED FULL SUPPRISED	I	PLUS EM & CE. FAULT & PERFORMANCE & PROVISIONING CTR		ıl		1			ı	I	I	l		I	I	l		
PROVISION PLUS SUPPORT AX 7, 12 MONTHS - PROVISION	22.0230	8740 DEVICE LICENSE BUNDLE	SWW-P24T12671253	44.00	52	2.288.00	52	2.288.00	ı	l		-	-			457.60	1.830.40	-
22.000 Part DELYCE LICENSE BUNDLE PROVIDED LICENSE BUN																		
PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS SUR CE, PALT & PROFESSION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS SUR ALL CE, PALT & PROFESSION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS SUR ALL CE, PALT & PROFESSION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS SUR ALL CE, PALT & PROFESSION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS SUP	l	PLUS EM & CE, FAULT & PERFORMANCE & PROVISIONING CTR		1 1				ı	ı	l	l				l			
PLUS EM A CE, PLAIT & REPROFRAMACE & PROVISIONING CIR 20	22.0240	8740 DEVICE LICENSE BUNDLE	SWW-P24T12671253	44.00	52	2,288.00	52	2,288.00			-	-	-			457.60	1,830.40	-
22006 FAID DEVICE LEGISER BUNDLE PROFISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION 22006 FAID DEVICE LEGISER BUNDLE 22006 FAID DEVICE LEGISER BUNDLE 22006 FAID DEVICE LEGISER BUNDLE PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS- PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR PROVISION FILES SUPPLY 23 X 7,12 MANTHS PROVISION PLUS ELM A C. F. ALL T A PERFORMANCE A PROVISIONING CITR SWW-PATT1267123 X 44.00 32 1.408.00 32 1.																		
PROVISION PLUS SUPPORT XX 7,1 EMONTHS - PROVIS	l			1 1				ı	ı	l	l				l			
PLUS ELM & CE. FAULT & FERFORMANCE & PROVISIONING CTR 220 1400 0 32 1.400.00 3	22.0250		SWW-P24T12671253	44.00	32	1,408.00	32	1,408.00			-	-	-			281.60	1,126.40	-
22 CORESTAND REVISE LEURISE BUNNLE REVISION FLUX SUPPORT 34 X 7, 12 MONTHS - PROVISION 22 CORESTAND AND ADMINISTRATION AND ADMI	l	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION		1 1				ı	ı	l	l				l			
PROVISION PULS SUPPORT 24 X7,12 MONTHS - PROVISION PLAN (PROVISION PLAN (PROVI			011011 D01710071070						ı	l	l				l			
#US BM A CE, FAULT & PERFORMANCE & PROVISIONING CTR 22 2009 M2 000 VCR LEURSE BE BUNNE BUN	22.0260		SWW-P241126/1253	44.00	32	1,408.00	32	1,408.00					-			281.60	1,126.40	-
22 2007 BYAO DEVICE LICENSE BUNDLE SWW-P24112671253 4.400 32 1.408.00	l	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION		1 1				ı	ı	l	l				l			
Five (6) year warmy for OEM equipment (Hardware only) after 22 2020 (acceptance)** SWW-OMEW000012MC 45.855.00 1 45.855.0	22.0270	PLUS EM & CE, FAULT & PERFURNANCE & PROVISIONING CTR	SMM/ D24T12671262	4400	20	1 409 00	20	1 400 00	ı	l	l				l	204.00	4 400 40	
22,000 Companied SWW-OMEW000012MC 45,855.00 1 45,855.00 1 45,855.00	22.0270		3WW-F24112071233	44.00	32	1,400.00	32	1,400.00	-							201.00	1,120.40	
24,0000 CTR 8740 MPLS Routers on the spurs	22 0280		SWW-OMEWINDIN12MC	45.855.00	1	45.855.00		45 855 00	ı	l	l .				Ι.	9 171 00	36 684 00	_
24.0000 CRR 8740 MFLS Routers on the spurs		ucceptanoc	OWW-OMETHODOGIEMO	40,000.00		40,000.00		40,000.00	_	i					-	0,171.00	-	
24.0010 (CTR 8740 with Std Sync option, Fan Assembly, Blank cover plates, CTE-740.001 2.558.00 52 131.872.00 5. 13		CTR 8740 MPLS Routers on the sours			0		0		0				-					
24.0020 [Instantive Color Co					0		0		0		-	-	-			-	-	-
24.0020 [Instantive Color Co		CTR 8740 with Std Sync option, Fan Assembly, Blank cover plates,						1		1								
CTR 8740 microwave router, SR-MPLS, High Availability capable includes 3x 100 SFP cage, 8x 10	24.0020	Install kit, DC power	CTE-740-001	2,536.00	52	131,872.00	52	131,872.00	ı	I	l -	-		131,872.00			-	-
Includes 3x 100 SFP+ cage, 8x 10 SFP cage, 8x 10 RAS, fin CTE-740-002 2,536.00 SFP cage, 8x 10 RAS, fin CTE-740-002 CTE-74		CTR 8740 microwave router, SR-MPLS, High Availability capable.																
24.0000 [LX40020FAAM]	I	Includes 3x 10G SFP+ cage, 8x 1G SFP cage, 4x 1G RJ45, fan							ı	I	I				I	1		
24.0030 [LX.0020]R-AAAN] 24.0040 [FP OF GIGE 13 tides miss FLC 10KM 0 to 70C 079-422696-001 1 58.00 52 3.016.00 52 078-422696-001 58.00 52 3.016.00 52 078-422696-001 58.00 52 3.016.00 52 078-422696-001 58.00 52 3.016.00 52 078-422696-001 58.00 52 3.016.00 52 078-422696-001 58.00 52 3.016.00 52 078-42696-001 58.00 52 5.016.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-42696-001 58.00 52 078-4	24.0020	assembly, SD card and BASE software	CTE-740-002	2,536.00					52	131,872.00		-	-	-		-	-	-
24.0040 SPP OPT GIGE 1310m SMF LC 10KM 01 70C									I						l			
GIG ETH SFP, ELEC RAIS 10008ASET, CTR ONLY (with RX_LOS) 24.0050 (ZNR) (CNR) (CNR) 24.0050 (ZNR) (CNR) (CNR) 24.0050 (ZNR) (CNR) (CN					0		0		0	-		-	-		<u> </u>	-	-	-
24.0050 (EX.180 ICML-AAN)	24.0040		079-422656-001	58.00	52	3,016.00	52	3,016.00	—			-	-	3,016.00	<u> </u>	-	-	-
24.0060[CTR 8705 SIRRE R3 MFLS Software License CZL-67350 1827.00 52 95,004.00 52 95,004.00 95,0		GIG E IH SFP, ELEC RJ45 1000BASE-T, CTR ONLY (with RX_LOS)							ı	I	I				I	1		
CTR 8700 15862/ FPF TRANSPARENT CLOCK (ONE LICENSE PER CZF-67100 483.00 52 25,116.0		(LX18U1CNL-AAN)							-		<u> </u>		-		<u> </u>	_	-	-
24.0070 (CHASSIS) 48.00 52 25.116.00 52 25.1	24.0060			1,827.00	52	95,004.00	52	95,004.00	-				-	95,004.00		<u> </u>	-	-
CTR 8700 SECURE AUTHENTICATION CLIENT, CENTRALIZED USR 24.0000 RCDC WITH TRACASCS, ONE LICENS EPEC (ASSIS). CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE EPC (ASSIS). CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE CONE TO SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE SECURE MANAGEMENT NODAL LICENSE SECURE MANAG	24 0070	CITY 0100 100042 P.I.P. IMANOPARENT CLOCK (ONE FICENSE PER	GZP-07 100	483.00	52	25 116 00	52	25 116 00	ı	I	I			25 116 00	Ι.	1		
24.000 ACCT WITH TACACS* (QNE LICENSE PER CHASSIS) CTR 700 SECURE MANAGEMENT NODAL LICENSE (CNE LICENSE CASES) CTR 700 SECURE MANAGEMENT NODAL LICENSE (CNE LICENSE CASES) CTR 700 SECURE MANAGEMENT NODAL LICENSE (CNE LICENSE CASES) CTR 700 HIGH AVALABILITY SWITCH ROUTER WITH RADIO CZF-67050 CZF-67050 CZF-67050 TO REPORT OF CORRESPOND TO SEPPEND TO SEP	24.0070			463.00	52	20,110.00	52	23,110.00	-		— ·	<u> </u>		25,110.00	⊢ –	· ·	_	-
CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE CALONDE PER CHASSIS) CZF-67080 585.00 52 30.420.00 52 3	24 0090		C7E-67050	216.00	52	11 232 00	52	11 232 00	ı	I	I			11 232 00	Ι.	1		
24.000 (PRC CHASSIS) CZF-67080 S8 50 0 52 30.402.00 52 30	24.0000		GZ1*07030	2 10.00	52	11,232.00	52	11,232.00	_	-	· ·	· ·	-	11,232.00	-	· ·	-	-
CTR 8700 HIGH AVALABILITY SWITCH / ROUTER WITH RADIO 24.0100 ROTECTION (ONE LOCKES EPR CHASSIS) Cable, GSFP_DOL to GSFP_DOL Downsty cable, 1.0M (C4593-AS71- 24.0110 PLOTE CONTROL TO ACCURATE CONTROL TO ACCU	24 0090		C7F-67060	585.00	52	30,420,00	52	30.420.00	ı	I	Ι.			30.420.00	Ι.	l		_
24.0100 PROTECTION (ONE LICENSE PER CHASSIS) CDF-07 LOS (1997-DD. Diversity and iss.) JMI (C45993-A571- 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TATACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE) DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE, TWIN-AX, SFP+ TO SFP+, 24.0100 DID (1997-TACH STACKHIG CARLE) DID (1997-	24.0090	CTR 8700 HIGH AVAILABILITY SWITCH / ROLITER WITH RADIO	CZI*07000	363.00	52	30,420.00	52	30,420.00	_	1	<u> </u>	· ·		30,420.00	<u> </u>	<u> </u>		
Cable, GSFP-DD To OSFP-DD, Dorently cable 1, 04I (C4593-AS71: 24.0110 DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, 24.0120 DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, DIRECT	24.0100	PROTECTION (ONE LICENSE PER CHASSIS)	CZF-67125	710.00	52	36.920.00	52	36.920.00	I	I				36.920.00				
24.110 [D10] DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+ 24.0120 (10GBPS, 500mm 24.0130 [PV-1 Leense to monitor routies on the spur Provision Plus BM & CE & IP/INIPE SF aut & Performance & Provisioning 24.0140 [PV-1 Leense to monitor routies on the spur Provision Plus BM & CE & IP/INIPE SF aut & Performance & Provisioning 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 24.0140 [PV-1 Leense to monitor routies on the spur 25.0150 [PV-1 Leense to monitor routies on the spur 26.0150 [PV-1 Leense to monitor routies on the spur 26.0150 [PV-1 Leense to monitor routies on the spur 27.0150 [PV-1 Leense to monitor routies on the spu					U.	22,222.00	0.2	22,222.00	—	1	i			,				
DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, 037-578820-005 72.00 26 1.872.00 28 1.872.00 . 1.872.00 . 1.872.00 . 1.872.00 . 1.872.00 . 1.872.00 	24.0110		037-579807-001	322.00	26	8,372.00	26	8,372.00	ı	I				8,372.00			-	
24.0120 (10GBPS, 500mm 037-579820-005 72.00 26 1.872.00 2 1.872.00		DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+,								l								
24.0150 PV + Leanse to monitor routers on the sput 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0		10GBPS, 500mm	037-579820-005	72.00	26	1,872.00	26	1,872.00				-		1,872.00			-	-
24.0140 CTR 8740 Device License Bundle 276-802005-002 998.00 52 51,896.00 51,896.00 51,896.00 24,0150 Warranties University Work LD WIDE 12 MONTHS, CTR 87XX	24.0130	PV + License to monitor routers on the spur			0	-	0					-					-	
24.0140 CTR 8740 Device License Bundle 276-802005-002 998.00 52 51,896.00 51,896.00 51,896.00 24,0150 Warranties University Work LD WIDE 12 MONTHS, CTR 87XX		ProVision Plus EM & CE & IP/MPLS Fault & Performance & Provisioning	·															
WARRANTY PLUS IW- WORLD WIDE ,12 MONTHS, CTR 87XX		CTR 8740 Device License Bundle	276-802005-002	998.00	52	51,896.00	52	51,896.00	ــــــ			-	-	51,896.00	<u> </u>	-	-	-
	24.0150	Warranties			0		0											
24.0160]w/Base or CE IMAGE SWW-BWXXA1001253 - 52 - 52	I			ı 1				ı	I	I	I	ı		I	I	I		
	24.0160	w/Base or CE IMAGE	SWW-BWXXA1001253		52	-	52						-	I	<u> </u>		-	-

	WARRANTY PLUS IW- WORLD WIDE ,24 MONTHS, CTR 87XX		I .		l .				ı	l .		l	l		l		!
	w/Base or CE IMAGE, year 1-2 after acceptance	SWW-BWXXA1002453	149.00	52	7,748.00	52	7,748.00			-	-	-		-	1,549.60	6,198.40	-
	SOFTWARE SUPPORT PLUS - WORLD WIDE, 12 MONTHS, CTR																
	87XX-MPLS ADVANCED	SWW-SPLUA4001252	-	52	-	52	-				-	-		-		-	-
	SOFTWARE SUPPORT PLUS - WORLD WIDE,24 MONTHS, CTR																1
	87XX-MPLS ADVANCED, year 1-2 after acceptance	SWW-SPLUA4002452	349.00	52	18,148.00	52	18,148.00				-	-		-	3,629.60	14,518.40	-
	Services for Routers *			0		0		0	-		٠						-
	VENDOR INTEGRATION	SVCS-IN-SIPQ-VI	2,296.00	1	2,296.00	1	2,296.00						2,296.00				
	ROUTER FACTORY INTEGRATION	SVCS-IN-SIPQ-RI	34,481.00	1	34,481.00		34,481.00						34,481.00				-
	NETWORK/SYSTEM ENGINEERING FOR ADDED ROUTERS	SVCS-PN-EN-SE	47,798.00	1	47,798.00		47,798.00				47,798.00			-			-
	ROUTER FIELD TESTING	SVCS-IN-IC-FI	39,443.00	1	39,443.00		39,443.00								39,443.00		-
24.0250		FREIGHT	2,600.00	1	2,600.00	1	2,600.00						2,600.00			-	-
	Applicable tax, 9.875%, Excluding items marked with * which are not																,
Tax	subject to tax		12,807.00	1	12,807.00	1	15,469.00	0	(2,662.00)		-	-	12,807.00	-		-	-
	Applicable tax, 9.875%, Excluding items marked with * which are not																
	subject to tax		2,148.00	1	2,148.00	1	2,148.00		l		-		2,148.00	-		-	- 1
	Applicable tax, 9.875%, Excluding items marked with * which are not																,
	subject to tax		45,209.00	1	45,209.00	1	45,209.00				-		45,209.00				!
	Applicable tax, 9.875%, Excluding items marked with * which are not																
Tax	subject to tax		6,493.00	1	6,493.00	1	6,855.00	0	(362.00)		-	-	6,493.00			-	- !

Total Not to Exceed Amount for this Agreement is \$7,205,016.51.

INVOICING

Contractor shall request approval/confirmation via email to the County's designated Project Manager (PM) by submitting a Milestone Completion Certificate indicating completed services/milestones indicated in this Agreement. Once approval/confirmation has been secured, Contractor shall send an invoice together with the Approved Milestone Completion Certificate.

Each invoice submitted must include the following information, at a minimum:

- Invoice Number and Date
- Agreement Number and/or Purchase Order Number
- Detailed statement of actual services
- Breakdown of labor, materials, and taxes (when applicable)
- Total amount of invoice

Invoices must be sent to ISD-Vendor-Invoices@smcgov.org. Processing time may be delayed if invoices are not submitted electronically and without written approval/confirmation (Approved Milestone Completion Certificate) from designated County PM.

The County shall submit payment within net thirty (30) days of receipt of invoice, for services rendered conditioned upon the approval of services performed during the billing cycle.

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Revised Exhibit D (Rev. 09/12/23)

AVIAT U.S., INC. LIST OF DESCRIPTIONS OF EQUIPMENT AND SERVICES

Aviat U.S., Inc., Sur	mmary List of Descriptions of Equipment and Services	Updated Design
Item	Description Description	Price
Section 1	Eclipse IRU600 and ODU600	\$920,809.00
	-IRU600 6/11 GHz along with WG extension kit -ODU 600 6/11/18 GHz	
	-ODU 600 6/11/16 GRZ	
Section 2	INUe, DAC and licenses	\$583,949.00
	-Eclipse INUe with all DS1 cards, Loop protection cards	
	-Capacity license and all other feature licenses	
Section 3	PV and PV+	\$472.260.00
Section 5	PV hardware and Software	\$172,269.00
	PV+	
	GDS package for clock and DACS	
Continu 4	CTR Positors	\$020 F00 00
Section 4	CTR Routers	\$238,500.00
Section 5	Rack and mis equipment	\$119,371.00
		,
Section 6	DSX-1 JK, clocking and RAC DACS	\$437,054.00
Castion 7	Antonno custom MC IE cobles and accessories	\$472.450.00
Section 7	Antenna system, WG, IF cables and accessories	\$473,159.00
Section 8	Warranty, 3 years	\$93,618.00
	Router	
	PV+	
Section 9	Convices	\$2.462.509.00
Section 9	SIPQ	\$2,462,508.00
	services	
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Section 10	Training	\$52,385.00
	Router Training	
	Tatal Defens Discount	AF FF2 C22 02
	Total Before Discount	\$5,553,622.00
	One Time Management Discount	-\$626,429.00
	One Time Management Discount (order before 9/23/2022)	-\$62,969.00
	ADDITIONAL SINGLE DISCOUNT FOR EQUIPMENT	-\$8,236.00
	Freight Tax 9.875%	\$72,135.00 \$229,062.00
	1 ax 9.073 %	\$229,002.00
	Grand total including discount and tax	\$5,157,185.00
Summary for Option	on items adding into Main Proposal	
Section 13	Additional TDM, Loop switch cards for hardware redundancy	\$669.00
Section 14	Feature licenses to support SynE	\$179,250.00
Section 15	Feature license to support 1588v2 PTP	\$26,113.00
Section 16	Spares	\$143,959.00
Section 17	New Antenna Mount materials and labor	\$128,404.00
Section 18	Additional material and service required for parallel hops for cut over	\$66,989.00
Section 19	10 years FAS for 6 GHz hops	\$33,314.00
Section 20	LMR integration with the microwave upgrade project	\$521,449.00
Section 21	Network Health Services	\$83,087.00
Section 22	Additional 3 years warranty Adding CTR 8740 MPLS Routers on the spurs	\$234,963.00
Section 24	Padding OTA 0740 MPLS Routers off the spurs	\$629,635.00
	Freight	included in each section above
		included in each section above
	Tax 9.875%	
	Total For Options Excluding Tax and Freight	\$2,047,832.00
	Total For Opining Excluding Tax and Freignt	φ 2,041,632.00
Grand total Main +	Option (including freight and Tax)	\$7,205,016.51
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Aviat U.S., Inc. 200 Parker Drive, Suite C100A Austin, TX 78728 Avia

Company Attn Contact County of San Mateo, CA

County of San Mateo Contract Menu Pricing for Equipment. Pricing is valid from September 13, 2022 to September 12, 2025.

UNIT LIST EQUIPMENT LIST PRODUCT CODE Discount PRICE **Unit Price** ITEM DESCRIPTION PART NUMBER PRICE 1.000 Outdoor RF Section, ODU600v2 1.001 PLANNING MODEL ODU 600v2, Lower 06 GHz M-ECH-06-LOW \$10.392 \$6,755 \$3,637 PLANNING MODEL ODU 600v2, Upper 06 GHz M-ECH-06-HIGH \$10,392 65.00 \$6,755 \$3,637 1.002 1 003 ODU 600v2 11 GHZ PLANNING PART NUMBER M-FCH-11 \$10.392 65.00 \$6,755 \$3.63 ODU 600v2, 18 GHZ, PLANNING PART NUMBER M-ECH-18 \$10.392 65.00 \$6.755 1.004 \$3,637 ODU 600v2, 23 GHZ, PLANNING PART NUMBER M-ECH-23 \$10,392 65.00 \$6,755 1.005 \$3,63 1.006 Remote Mount Bracket Assembly ODU600v2 179-530502-001 28.00 \$14 1.007 ODU600v2 INDOOR VERTICAL RACK MOUNT 086-523260-002 \$45 28.00 \$32 ECLIPSE FLEX WG, 5.925 - 7.125 GHZ, 900MM, PDR70-CPR137 (S137CHS3-A) 1 008 086-068137-900 \$35 28 00 \$100 \$25 HANGER, DUAL MOUNT HANGER KIT, FOR FLEXIBLE WAVEGUIDE, SIZE WG14 / WR137 / R70, POLE 1.009 018-510100-001 \$2 28.00 \$19 ECLIPSE FLEXIBLE WAVEGUIDE, 10.15-11.7 GHZ, 900MM, PDR100-CPR90G 086-118090-900 1 010 \$305 28.00 \$85 \$220 FLEX TWIST HANGER KIT FOR WR90, WG16 AND R100, 11 GHZ (244106A-100) 018-510102-002 1.011 \$139 28.00 \$39 \$100 ECLIPSE FLEXIBLE WAVEGUIDE, 17.70-26.50 GHZ, 900MM, PBR220-UG595 1.012 086-188596-900 \$814 28.00 \$228 \$580 1.013 FLEX-TWIST HANGER KIT FOR WR42, WG20 AND R220, 18-26 GHZ (244106A-220) 018-510105-002 \$8 28.00 \$25 \$63 Coupler Assy ODU 600v2 , 6 GHz Equal 3 dB, V and H Pole (840D606H1A) 086-523300-063 1.014 \$822 28.00 \$230 \$592 1.015 Coupler Assy ODU 600v2, 6 GHz Unequal 6 dB, V and H Pole (840D606H1B) 086-523300-066 \$92 28 00 Coupler Assy ODU 600v2 , 10/11 GHz Equal 3 dB, V and H Pole (840D611H1A) 086-523300-113 28.00 \$62 Coupler Assy ODU 600v2 , 10/11 GHz Unequal 6 dB, V and H Pole (840D611H1B) Coupler Assy ODU 600v2 , 18 GHz Equal 3 dB, V and H Pole (840D618H1A) 1.017 086-523300-116 \$860 28.00 \$242 \$62 086-523300-183 \$92 28.00 \$25 1 018 \$663 Coupler Assy ODU 600v2 , 18 GHz Unequal 6 dB, V and H Pole (840D618H1B) 086-523300-186 \$258 1.019 \$92 28,00 Coupler Assy ODU 600v2, 23 GHz Equal 3 dB, V and H Pole (840D623H1A) 086-523300-233 28.00 1.020 1.021 Coupler Assy ODU 600v2 , 23 GHz Unequal 6 dB, V and H Pole (840D623H1B) Coupler Assy XPIC 600V2 6 GHz OMT Assembly (860D606H01) 086-523300-236 \$92 28.00 \$258 \$663 086-523302-006 \$97 \$273 1 022 28.00 \$702 Coupler Assy XPIC 600V2 10/11 GHz OMT Assembly (860D611H01) 086-523302-011 \$99 28,00 \$278 1.023 \$71 1.024 Coupler Assy XPIC 600V2 18 GHz OMT Assembly (860D618H01) 086-523302-018 28.00 \$253 1.025 Coupler Assy XPIC 600V2 23 GHz OMT Assembly (860D623H01) 086-523302-023 \$80 28.00 \$224 \$57 1 026 WTM 4100/4200 ODU600v2 6 GHz Waveguide Transition Kit, WR 137 waveguide, UDR 70 flange 179-530500-006 \$26 28.00 \$75 \$19 WTM 4100/4200 ODU600v2 10/11 GHz Waveguide Transition Kit, WR 90 waveguide, UDR 100 flange WTM 4100/4200 ODU600v2 18/23 GHz Waveguide Transition Kit, WR 42 waveguide, UBR220 flange 1 027 179-530500-011 \$26! 28 00 \$74 \$191 179-530500-018 28.00 1.028 \$267 \$192 KIT, LIGHTNING ARRESTOR, UNIVERSAL, 50 OHM, MALE TO FEMALE 179-530062-002 28.00 1.030 ODU/IDU Level 2 Terminal Assy & RF Link Test Service VAS-ODUIDU-002 \$150 ndoor RF Section, IRU600v4 1.100 1.101 RU600v4 RFSEC ASSY NP, IF TR SP-HP L6 GHz, Filter-non ACCP, 60 MHz EV202-AML-000-416000 \$25.81 \$9,034 1.102 IRU600v4 RFSEC ASSY NP, IF TR SP-HP 5.8-U6 GHz, Filter-non ACCP IRU600v4 RFSEC ASSY NP, IF TR EHP L6 GHz, Filter-non ACCP EV202-AMT-000-410000 \$25,811 65.00 \$16,777 \$9,034 EV202-AEL-000-410000 \$34,848 65.00 \$12,197 \$12,197 1.103 \$22.651 IRU600v4 RFSEC ASSY NP, IF TR EHP L6 GHz, Filter-non ACCP, 60 MHz EV202-AEL-000-416000 \$34,848 65.00 \$22.65 1.104 1.105 IRU600v4 RFSEC ASSY NP, IF TR EHP U6 GHz, Filter-non ACCP EV202-AEU-000-410000 \$34,848 65.00 \$22.65 \$12,197 IRU600v4 RFSEC ASSY NP, IF TR SP-HP 11 GHz, Filter-non ACCP, 80 MHz (EV202-AMC-000-418000) IRU600v4 RFSEC ASSY NP, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP IRU600v4 RFSEC ASSY NP, IF TR EHP 11 GHz, Filter-non ACCP EV202-AMB-000-418000 \$27,167 65.00 \$17,659 \$9,508 1.106 1,107 EV202-AMC-000-410000 \$25.81 65 00 \$16,77 \$9.034 EV202-AEB-000-410000 \$34,848 65.00 \$22.651 \$12.19 1.108 IRU600v4 RFSEC ASSY NP, IF TR EHP 11 GHz, Filter-non ACCP, 80 MHz EV202-AEB-000-418000 \$36,20 65.00 \$23,533 \$12,67 1.109 IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR SP-HP 5.8-U6 GHz, Filter-non ACCP IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR SP-HP L6 GHz, Filter-non ACCP, 60 MHz EV206-AMT-AM0-410000 \$44,02 65.00 \$28,617 \$15,409 \$44,026 \$62,100 FV206-AMI -AM0-416000 65,00 \$28,617 \$15,409 IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP L6 GHz, Filter-non ACCP EV206-AEL-AE0-410000 1.112 65.00 \$40.365 \$21,735 \$21,735 EV206-AEL-AE0-416000 \$62,100 65.00 IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP L6 GHz, Filter-non ACCP, 60 MHz \$40,365 1.113 IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP US GHz, Filter-non ACCP
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IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP, 80 MHz EV206-AEU-AE0-410000 \$62,100 65.00 \$21,73 \$40.365 EV206-AMC-AM0-410000 \$44,026 65.00 \$15,409 \$28,617 1.116 EV206-AMB-AM0-418000 \$45.382 65.00 \$29.49 \$15,884 (EV206-AMC-AM0-418000) RU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP 11 GHz, Filter-non ACCF 1.117 EV206-AEB-AE0-410000 65.00 \$40.36 \$21.73 IRU600v4 RFSEC ASSY MHSB RX UNEQUAL SPLIT, IF TR EHP 11 GHz, Filter-non ACCP, 80 MHz IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR SP-HP 5.8-U6 GHz, Filter-non ACCP IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR SP-HP L6 GHz, Filter-non ACCP, 60 MHz EV206-AEB-AE0-418000 \$63,455 65.00 \$41,246 \$22,209 \$46,003 \$46,003 FV207-AMT-AM0-410000 65.00 \$29,902 \$16,101 1.119 EV207-AML-AM0-416000 65.00 \$29.902 1.120 \$16.10 IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR EHP L6 GHz, Filter-non ACCP EV207-AEL-AE0-410000 \$64,077 65.00 \$41,650 \$22,427 1.121 IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR EHP L6 GHz, Filter-non ACCP, 60 MHz EV207-AEL-AE0-416000 \$64,077 65.00 \$41,650 \$64,07 \$41,650 \$22,42 RU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR EHP U6 GHz, Filter-non ACCP EV207-AEU-AE0-410000 65.00 1.123

EV207-AMC-AM0-410000

RU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP

	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Disco	ount	11.25
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	Unit Price
1.125	IRU600v4 RFSEC ASSY MHSB/SD TX SWITCH, IF TR SP-HP 10.5-11 GHz, Filter-non ACCP, 80 MHz	EV207-AMB-AM0-418000	\$47,359	65.00	\$30,783	\$16,576
1.126 1.127 1.128 1.129 1.130 1.131 1.132 1.133 1.134 1.135 1.136 1.137 1.138 1.140 1.141 1.142 1.143 1.144 1.145 1.146 1.147 1.148 1.149 1.150 1.151 1.152 1.153	IROSOWA RESEC ASSY MISSISS TX SWITCH, IF TR EHP 11 GHz, Filter-non ACCP	EV207-AMB-AMIG-18000 EV207-AEB-AE0-410000 EV207-AEB-AE0-418000 EV208-AEL-AEL-410000 EV208-AEU-AEL-410000 EV208-AMI-AML-416000 EV208-AMT-AMT-410000 EV208-AMG-AMG-410000 EV208-AMG-AMG-410000 179-530135-AA101 179-530135-AA121 179-530135-AA123 179-530135-BE201 179-530135-BE201 179-530135-BE221 179-530135-BE221 179-530135-CC321 179-530135-CC321 179-530135-CC321 179-530135-DD401 179-530135-DD401 179-530135-DD403 179-530135-DD403 179-530135-DD403 179-530135-DD401 179-530135-DD403 179-530089-001 179-530089-002	\$64,077 \$65,432 \$66,392 \$66,392 \$48,319 \$48,319 \$48,319 \$48,319 \$525 \$1,066 \$1,738 \$2,412 \$525 \$1,066 \$1,738 \$2,2802 \$1,590 \$2,758 \$2,293 \$3,913 \$2,045 \$3,821 \$2,077 \$5,027 \$2,077 \$5,027 \$2,94 \$1,590 \$2,077 \$5,027 \$2,07	65.00 65.00 65.00 65.00 65.00 65.00 65.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00 28.00	\$41,650 \$42,531 \$43,155 \$43,155 \$31,407 \$31,407 \$31,407 \$31,407 \$31,407 \$149 \$675 \$147 \$298 \$487 \$785 \$445 \$772 \$642 \$1,096 \$573 \$1,070 \$636 \$1,070 \$636 \$1,252 \$582 \$1,408 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407 \$636 \$1,407	\$22,427 \$22,901 \$23,237 \$23,237 \$16,912 \$16,912 \$17,149 \$16,912 \$17,149 \$1,145
2.001 2.002 2.003 2.004	ECLIPSE, INTELLIGENT NODE UNIT 2RU, INC IDCE, FAN, NCCV3, HIGH OUTPUT KIT BRACKET 2RU Network Equipment Building Systems, 2RU NODE PROTECTION CARD, HIGH OUTPUT	EXX-000-205 179-530064-001 179-530053-002 EXS-002	\$3,463 \$37 \$326 \$802	65.00 30.00 30.00 65.00	\$2,251 \$11 \$98 \$521	\$1,212 \$26 \$228 \$281
2.005 2.006 2.007 2.008 2.009 2.010 2.011 2.012 2.013 2.014	RAC 70v2, QPSK-4096QAM, NO XPIC, ACM RAC 7Xv2, QPSK-4096QAM, XPIC, ACM DAC GE3 GIGABIT ETHERNET SWITCH CARD ECLIPSE, DAC 16XE1/DS1 V3, PROTECTABLE (EXD-161-002) AUX, ALARM I/O CARD NODE SW LICENSE, 50 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 100 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 150 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 200 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 300 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 300 Mbps TOTAL RADIO PAYLOAD CAPACITY	EXR-700-002 EXR-770-002 EXD-181-002 EXD-161-002 EXA-001 EZE-08001 EZE-08002 EZE-08003 EZE-08004 EZE-08005	\$2,254 \$3,784 \$2,542 \$892 \$706 \$339 \$1,412 \$3,389 \$5,648 \$8,472	65.00 65.00 65.00 65.00 65.00 65.00 65.00 65.00	\$1,465 \$2,460 \$1,652 \$580 \$459 \$220 \$918 \$2,203 \$3,671 \$5,507	\$789 \$1,324 \$890 \$312 \$247 \$119 \$494 \$1,186 \$1,977 \$2,965
2.015 2.016 2.017 2.018 2.019 2.020 2.021 2.022 2.023 2.024 2.025	NODE SW LICENSE, 400 Mbps TOTAL RADIO PAYLOAD CAPACITY NODE SW LICENSE, 800 Mbps TOTAL RADIO PAYLOAD CAPACITY LAYER 1 LINK AGGREGATION NODAL ON DAC GE / DAC GE3 ADAPTIVE MODULATION NODAL RAC60/6X/60E/6XE SECURE MANGEMENT, INU, inc SNMPV3 NODAL PAYLOAD ENCRYPTION NODAL RAC60/6X/60E/6XE RADIUS CLIENT, NODAL CENTRALIZED USER ACCT MGMT ODU 600 Nodal High power option 1 x ODU ODU 600 Nodal High power option 2 x ODU ODU 600 Nodal High power option 3 x ODU ODU 600 Nodal High power option 3 x ODU	EZE-08006 EZE-08007 EZF-01 EZF-02 EZF-03 EZF-04 EZF-06 EZF-51 EZF-552 EZF-553	\$11,296 \$13,555 \$508 \$1,694 \$3,111 \$2,074 \$778 \$1,694 \$3,389 \$5,083 \$6,778	65.00 65.00 25.00 25.00 25.00 25.00 65.00 65.00 65.00	\$7,342 \$8,811 \$127 \$424 \$778 \$519 \$1,101 \$2,203 \$3,304 \$4,406	\$3,954 \$4,744 \$381 \$1,270 \$2,333 \$1,555 \$583 \$593 \$1,186 \$1,779 \$2,372
2.026 2.027 2.028 2.029	IRU600 600 High power option 1 x RFU IRU600 600 Nodal High power option 2 x RFU IRU600 600 Nodal High power option 3 x RFU IRU600 600 Nodal High power option 4 x RFU	EZF-61 EZF-62 EZF-63 EZF-64	\$3,389 \$6,778 \$10,166 \$13,555	65.00 65.00 65.00 65.00	\$2,203 \$4,406 \$6,608 \$8,811	\$1,186 \$2,372 \$3,558 \$4,744
3.000	CTR 8740					
3.001	CTR 8740 with Std Sync option, Fan Assembly, Blank cover plates, Install kit, DC power, incl SD card, Software and Base License Optional Redundant Power Supply	CTE-740-001	\$7,563	65.00 65.00	\$4,916	\$2,647
3.002	CTR 8500 Series Redundant Power Supply Module, 48VDC Each chassis has three SFP+ ports	CTS-100-001	\$819	65.00	\$532	\$287
3.003 3.004 3.005	SFP+ OPT TRANSCEIVER, 10Gbit, 850nm, 300m, MM, I TEMP (LX4001IDR-AAN) SFP+ OPT TRANSCEIVER, 10Gbit-LR/LW, 1310nm, 10km, SM, DUPLEX, LC, I TEMP (LX4002IDR-AAN) SFP+ OPT TRANSCEIVER, 10Gbit-LR/LW, 1310nm, 1.4km, SM, DUPLEX, LC, I TEMP (SPP-10E-LR-IDFR)	079-422677-001 079-422678-001 079-422679-001	\$136 \$250 \$193	30.00 30.00 30.00	\$41 \$75 \$58	\$95 \$175 \$135
3.006 3.007 3.008 3.009	Each chassis has eight SFP ports GIG ETH SFP, OPT MMF 850nm LC 1000BASE-SX, <550M (LM28-C3S-TC-N) GIG ETH SFP, OPT SMF 1310nm LC 1000BASE-LX, <10 KM (SP-GB-LX-CNFM) GIG ETH SFP, OPT SMF 1550nm LC 1000BASE-ZX, <70KM (LS48-C3U-TC-N) GIG ETH SFP, ELEC RJ45 1000BASE-T, CTR ONLY (with RX LOS) (LX1801CNL-AAN) Choose one of the following software licenses	079-422662-001 079-422656-001 079-422665-001 083-845537-001	\$72 \$86 \$599 \$129	30.00 30.00 30.00 30.00	\$22 \$26 \$180 \$39	\$50 \$60 \$419 \$90
3.010 3.011	CTR 8700 Series R3 BASE Software License CTR 8700 Series R3 CARRIER ETHERNET Software License This sales quotation and any resulting flustomer code: ("Order") are subject to Awar Networks standard terms and conditions of sale ("Conditions")	CZL-67300 CZL-67310	\$908 \$1,815	60.00 60.00	\$545 \$1,089	\$363 \$726

ITEM	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST Discount		Unit Price	
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	
3.012	CTR 8700 Series R3 MPLS Software License Optional feature licenses	CZL-67350	\$5,446	60.00	\$3,268	\$2,178
3.013 3.014 3.015	CTR 8700 L1 LINK AGGREGATION (ONE LICENSE PER CHASSIS) CTR 8700 1588v2 PTP TRANSPARENT CLOCK (ONE LICENSE PER CHASSIS) CTR 8700 HIGH AVAILABILITY SWITCH / ROUTER WITH RADIO PROTECTION (ONE LICENSE PER CHASSIS)	CZF-67040 CZF-67100 CZF-67125	\$875 \$1,440 \$2,118	60.00 60.00 60.00	\$525 \$864 \$1,271	\$350 \$576 \$847
3.016	Optional Security Licenses CTR 8700 SECURE AUTHENTICATION CLIENT, CENTRALIZED USR ACCT WITH TACACS+ (ONE	CZF-67050	\$ 778	60.00	\$467	\$311
3.017 3.018	CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE PER CHASSIS) LEVEL A CTR8740 CHASSIS ASSEMBLY/SW LOAD	CZF-67060 VAS-CTR8740-00A	\$2,001 \$52	60.00 60.00	\$1,201 \$31	\$800 \$21
3.100 3.101 3.102 3.103 3.104 3.105	CTR 8740 Spares Spare CTR 8740 - No SD Card - Std Sync option, Fan Assembly, Blank cover plates, Install kit, DC power CTR 8500 Series Redundant Power Supply Module, 48VDC SPP+ OPT TRANSCEIVER, 10Gbit, 850nm, 300m, MM, I TEMP (LX4001IDR-AAN) SFP+ OPT TRANSCEIVER, 10Gbit-LR/LW, 1310nm, 10km, SM, DUPLEX, LC, I TEMP (LX4002IDR-AAN) SFP+ OPT TRANSCEIVER, 10Gbit-LR/LW, 1310nm, 1.4km, SM, DUPLEX, LC, I TEMP (SPP-10E-LR-IDFR)	CTE-S740-001 CTS-100-001 079-422677-001 079-422678-001 079-422679-001	\$7,450 \$819 \$136 \$250 \$193	60.00 60.00 28.00 28.00 28.00	\$4,470 \$491 \$38 \$70 \$54	\$2,980 \$328 \$98 \$180 \$139
3.106 3.107 3.108 3.109	GIG ETH SFP, OPT MMF 850nm LC 1000BASE-SX, <550M (LM28-C3S-TC-N) GIG ETH SFP, OPT SMF 1310nm LC 1000BASE-LX, <10 KM (SP-GB-LX-CNFM) GIG ETH SFP, OPT SMF 1550nm LC 1000BASE-ZX, <70KM (LS48-C3U-TC-N) GIG ETH SFP, ELEC RJ45 1000BASE-T, CTR ONLY (with RX LOS) (LX1801CNL-AAN)	079-422662-001 079-422656-001 079-422665-001 083-845537-001	\$72 \$86 \$599 \$129	28.00 28.00 28.00 28.00	\$20 \$24 \$168 \$36	\$52 \$62 \$431 \$93
3.200 3.201	CTR 8740 Warranty WARRANTY PLUS IW- WORLD WIDE ,24 MONTHS, CTR 87XX w/Base or CE IMAGE	SWW-BWXXA1002453	\$234	25.00	\$59	\$175
3.202	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE IMAGE	SWW-BNWXA1001253	\$317	25.00	\$79	\$238
4.000 4.001	Racks , DSX-1 jackfield and Eclipse Accessories RACK ASSY CRATED, 7' CHATSWORTH ALUMINUM, 1 BREAKER PNL W/10 BLANK COVERS AND NO BREAKERS	179-530107-0113	\$2,809	28.00	\$787	\$2,022
4.002 4.003 4.004	Installation Kit, Aluminum Rack, Concrete Floor (AV179-530119-001WA) GROUND BAR,KIT,RACK,R56 COMPLIANT,72 INCHES L X 5/8 INCHES WIDE X 1/4 INCHES DEPTH	179-530107-9910 179-530119-001 LOC-TRGBVKIT145872W	\$1,098 \$1,110 \$1,016	28.00 28.00 28.00	\$307 \$311 \$284	\$791 \$799 \$732
4.005	(TRGBVKIT145872AWA) CHANNEL MOUNTING,FORWARD,U-SHAPE,1 RU,4 INCHES LONG X 5/8 INCHES WIDE X 1.75 INCHES	020-018475-005	\$36	28.00	\$10	\$26
4.006	DEPTH (020-018475-005 REV001) COMMON BREAKERS & BLANKING PLUGS PER RACK PER DRAWING	COMMON-BREAKERS- RACK	\$133	28.00	\$37	\$96
4.007 4.008 4.009 4.010	2x HDR-E50 TO Y JOIN TO 24AWG FREE END 3.5M CABLE, ALARM I/O, 24AWG, HD15 TO WIREWRAP, 15M AUX HD26, 2M, SYNC, WIREWRAP (037-579115-001V) CABLE, ETHERNET, CAT 5E, SHIELDED, 24 AWG, INDOOR/OUTDOOR, BOTH ENDS RJ45 (M)	037-579408-003 037-579470-015 037-579115-001 037-579124-002	\$353 \$191 \$79 \$9	28.00 28.00 28.00 28.00	\$99 \$53 \$22 \$3	\$254 \$138 \$57 \$6
4.011	CONNECTORS, 2M (6.56'), BLACK (037-579124-002V REVA) CABLE, ETHERNET, CAT 5E, SHIELDED, 24 AWG, INDOOR/OUTDOOR, BOTH ENDS RJ45 (M) CONNECTORS, 5M (16.4'), BLACK (037-579125-002V REVA)	037-579125-002	\$17	28.00	\$5	\$12
4.012 4.013	CABLE PROT / BRIDGEING GE3, DIRECT FIT, 1M (VAHS-30-0342 REV X2) GIG ETH SFP, OPT MMF 850nm LC 1000BASE-SX, <550M (LM28-C3S-TC-N) GIG ETH SFP, OPT SMF 1310nm LC 1000BASE-LX, <10 KM (LS38-C3S-TC-N)	037-579461-001 079-422662-001 079-422656-001	\$141 \$72	28.00 28.00	\$39 \$20	\$102 \$52
4.014 4.015 4.016	SPLITTER SM LC-LC TO LC 2M JACKFIELD, LOADED 64 DSX-1 CIRCUITS, TOTAL REAR WIREWRAP (REAR CROSSCONNECT 1-64,	079-422030-001 037-579143-001 CNI-SA-2115-2001	\$86 \$62 \$2,575	28.00 28.00 28.00	\$24 \$17 \$721	\$62 \$45 \$1,854
4.017	REAR WIREWRAP), 19" OR 23"W, 3 RU, 10"D48VDC, RED LED (SA-2115-2001) DS1 JACKFIELD, FIXED, NO INTERNAL CROSS-CONNECT, LOADED 28 CIRCUITS, 1 RU, 19" OR 23"W, 9"D, FRONT RJ48X INCLUDES AUTOMATIC LOOP BACK FUNCTION, REAR WIREWRAP, NO POWER INPUT (097-0128-0006 T1 DEMARCATION CUSTOMER INTERFACE PANEL EQUIVALENT) (DSX-28P-RJ48)	NSM-DSX-28P-RJ48	\$1,883	28.00	\$527	\$1,356
5.000	Spares ODUv2					
5.001 5.002 5.003 5.004	PLANNING MODEL ODU 600v2, Lower 06 GHz ODU 600v2, 11 GHZ, PLANNING PART NUMBER ODU 600v2, 18 GHZ, PLANNING PART NUMBER ODU 600v2, 23 GHZ, PLANNING PART NUMBER	M-ECH-06-LOW M-ECH-11 M-ECH-18 M-ECH-23	\$10,392 \$10,392 \$10,392 \$10,392	65.00 65.00 65.00 65.00	\$6,755 \$6,755 \$6,755 \$6,755	\$3,637 \$3,637 \$3,637 \$3,637
5.005 5.006 5.007 5.008 5.009 5.010	IRUv4 RFU, MP, IRU600v4 IF TR, 5.8-L6-U6 GHz, 5725-7125 MHz RFU, EHP, IRU600v4 IF TR, L6 GHz, 5925-6425 MHz RFU, EHP, IRU600v4 IF TR, U6 GHz, 6400-7125 MHz (ERE-AU6-400) RFU, MP, IRU600v4 IF TR, 10.5-11 GHz, 10500-11700 MHz RFU, EHP, IRU600v4 IF TR, 11 GHz, 10700-11700 MHz (ERE-ABB-400)	ERM-ATT-401 ERE-AL6-401 ERE-AU6-401 ERM-ACC-401 ERE-ABB-401	\$16,944 \$25,981 \$25,981 \$16,944 \$25,981	65.00 65.00 65.00 65.00 65.00 65.00	\$11,014 \$16,888 \$16,888 \$11,014 \$16,888	\$5,930 \$9,093 \$9,093 \$5,930 \$9,093
5.011 5.012 5.013	INUe NODE PROTECTION CARD, HIGH OUTPUT RAC 70, QPSK-4096QAM, NO XPIC, ACM RAC 7X, QPSK-4096QAM, XPIC, ACM (EXR-700-001)	EXS-002 EXR-700-002 EXR-770-002	\$802 \$2,254 \$3,784	65.00 65.00 65.00	\$521 \$1,465 \$2,460	\$281 \$789 \$1,324
5.014 5.015 5.016	DAC GE3 GIGABIT ETHERNET SWITCH CARD ECLIPSE, DAC 16XE1/DS1 V3, PROTECTABLE AUX, ALARM I/O CARD CTR 8740	EXD-181-002 EXD-161-002 EXA-001	\$2,542 \$892 \$706	65.00 65.00 65.00	\$1,652 \$580 \$459	\$890 \$312 \$247
5.017	CTR 8740 with Std Sync option, Fan Assembly, Blank cover plates, Install kit, DC power, incl SD card, Software and Base License	CTE-740-001	\$7,563	60.00	\$4,538	\$3,025
5.018 5.019 5.020	SFP+ OPT 10Gbit 1310nm SMF LC 10km LR/LW -40 to 85C (LX4002IDR-AAN) SFP OPT GIGE 1310nm SMF LC 10KM 0 to 70C SFP Elec GIGE RJ45 100m CTR ONLY (with RX LOS) 0 to 70C	079-422678-001 079-422656-001 083-845537-001	\$250 \$86 \$129	28.00 28.00 28.00	\$70 \$24 \$36	\$180 \$62 \$93
5.021 5.022 5.023 5.024	CTR 8700 Series R3 MPLS Software License CTR 8700 1588v2 PTP TRANSPARENT CLOCK (ONE LICENSE PER CHASSIS) CTR 8700 SECURE MANAGEMENT NODAL LICENSE (ONE LICENSE PER CHASSIS) CTR 8700 HIGH AVAILABILITY SWITCH / ROUTER WITH RADIO PROTECTION (ONE LICENSE PER	CZL-67350 CZF-67100 CZF-67060 CZF-67125	\$5,446 \$1,440 \$2,001 \$2,118	60.00 60.00 60.00 60.00	\$3,268 \$864 \$1,201 \$1,271	\$2,178 \$576 \$800 \$847
5.025 5.026	CHASS S) Cable, QSFP-DD to QSFP-DD, Diversity cable, 1.0M (C45593-A571-D10) DIRECT ATTACH STACKING CABLE, TWIN-AX, SFP+ TO SFP+, 10GBPS, 500mm	037-579807-001 037-579820-005	\$501 \$113	28.00 28.00	\$140 \$32	\$361 \$81
5.027	Misc KIT, LIGHTNING ARRESTOR, UNIVERSAL, 50 OHM, MALE TO FEMALE This sales quotation and any resulting Customer order ("Order") are subject to Aviat Networks standard terms and conditions of sale ("Conditions").	179-530062-002	\$77	28.00	\$22	\$55

	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Disco	ount	Unit Price
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	
6,000	WTM 4000 Radios, License, Cables					
0,000						
6.001	WTM 4100, L6 GHz (Planning Model only)	M-W41-L6	\$14,110	63.00	\$8,889	\$5,221
6.002 6.003	WTM 4100, U6 GHz (Planning Model only) WTM 4100, 07 GHz (Planning Model only)	M-W41-U6 M-W41-07	\$14,110 \$14,110	63.00 63.00	\$8,889 \$8,889	\$5,221 \$5,221
6.004	WTM 4100, 08 GHz (Planning Model only)	M-W41-08	\$14,110	63.00	\$8,889	\$5,221
6.005 6.006	WTM 4100, 10 GHz (Planning Model only) WTM 4100, 11 GHz (Planning Model only)	M-W41-10 M-W41-11	\$14,110 \$14,110	63.00 63.00	\$8,889 \$8,889	\$5,221 \$5,221
6.007	WTM 4100, 13 GHz (Planning Model only)	M-W41-13	\$14,110	63.00	\$8,889	\$5,221
6.008 6.009	WTM 4100, 15 GHz (Planning Model only) WTM 4100, 18 GHz (Planning Model only)	M-W41-15 M-W41-18	\$14,110 \$14,110	63.00 63.00	\$8,889 \$8,889	\$5,221 \$5,221
6.010	WTM 4100, 23 GHz (Planning Model only)	M-W41-23	\$14,110	63.00	\$8,889	\$5,221
6.011 6.012	WTM 4200, L6 GHz (Planning Model only) WTM 4200, U6 GHz (Planning Model only)	M-W42-L6 M-W42-U6	\$24,413 \$24,413	63.00 63.00	\$15,380 \$15,380	\$9,033 \$9,033
6.013	WTM 4200, 07 GHz (Planning Model only)	M-W42-07	\$24,413	63.00	\$15,380	\$9,033
6.014 6.015	WTM 4200, 08 GHz (Planning Model only) WTM 4200, 10 GHz (Planning Model only)	M-W42-08 M-W42-10	\$24,413 \$24,413	63.00 63.00	\$15,380 \$15,380	\$9,033 \$9,033
6.016	WTM 4200, 11 GHz (Planning Model only)	M-W42-11	\$24,413	63.00	\$15,380	\$9,033
6.017 6.018	WTM 4200, 13 GHz (Planning Model only) WTM 4200, 15 GHz (Planning Model only)	M-W42-13 M-W42-15	\$24,413 \$24,413	63.00 63.00	\$15,380 \$15,380	\$9,033 \$9,033
6.019	WTM 4200, 18 GHz (Planning Model only)	M-W42-18	\$24,413	63.00	\$15,380	\$9,033
6.020 6.021	WTM 4200, 23 GHz (Planning Model only) Remote Mount Bracket Assembly, WTM4100, WTM4200, WTM4500	M-W42-23 179-530505-001	\$24,413 \$892	63.00 30.00	\$15,380 \$268	\$9,033 \$624
6.022	WTM 4100/4200 ODU600v2 6 GHz Waveguide Transition Kit, WR 137 waveguide, UDR 70 flange	179-530500-006	\$267	30.00	\$80	\$187
6.023 6.024	WTM 4100/4200 ODU600v2 7/8 GHz Waveguide Transition Kit, WR 112 waveguide, UDR 84 flange WTM 4100/4200 ODU600v2 10/11 GHz Waveguide Transition Kit, WR 90 waveguide, UDR 100 flange	179-530500-007 179-530500-011	\$304 \$265	30.00 30.00	\$91 \$80	\$213 \$185
6.025	WTM4000 Base License, inc CLI & GUI, IPv4 or IPv6, VLANs, 10Mbps	WZL-BASE	\$560	63.00	\$353	\$207
6.026 6.027	WTM4000 CE1 License, inc QoS, QinQ, Routed NMS, Traffic scheduling, Spanning Tree	WZL-CE1 WZL-CE2	\$1,713	63.00	\$1,079	\$634
6.027	WTM4000 CE1 License, inc ERPS, HQoS, Ethernet EOAM 802.3ah 802.3ag WTM 4000 Radio Throughput License 50 Mbps	WZF-40050	\$2,867 \$765	63.00 63.00	\$1,806 \$4 82	\$1,061 \$283
6.029	WTM 4000 Radio Throughput License 100 Mbps	WZF-40100	\$1,446	63.00	\$911	\$535
6.030 6.031	WTM 4000 Radio Throughput License 500 Mbps WTM 4000 Radio Throughput License 1000 Mbps	WZF-40500 WZF-41000	\$5,599 \$9,639	63.00 63.00	\$3,527 \$6,073	\$2,072 \$3,566
6.032	WTM 4000 Radio Throughput License 2500 Mbps	WZF-42500	\$12,078	63.00	\$7,609	\$4,469
6.033 6.034	WTM 4000 Multi-Layer Header Compression (MLHC) License WTM 4000 Adaptive Modulation License up to 1024 QAM	WZF-MLHC WZF-AM1	\$1,066 \$1,008	63.00 63.00	\$672 \$635	\$394 \$373
6.035	WTM 4000 Adaptive Modulation License up to 4096 QAM	WZF-AM2	\$1,344	63.00	\$847	\$497
6.036 6.037	WTM4200 2nd RFM Enable License WTM4100 Adaptive Dual Carrier (A2C) Enable License	WZF-42SECRFM WZF-41A2C	\$3,919 \$3,919	63.00 63.00	\$2,469 \$2,469	\$1,450 \$1,450
6.038	POE INJECTOR, 112W 100 to 240VAC, POWER CORD NOT INCLUDED, USE WITH ALL WTM 4000 (MIT-	045-310105-001	\$730	30.00	\$219	\$511
6.039	51G-56PNN) POE INJECTOR, 112W 40 to 72VDC, POWER CORD NOT INCLUDED, USE WITH ALL WTM 4000 (MIT-65G-	045-310107-001	\$831	30.00	\$249	\$582
	4856)	043-310107-001		30.00	Ψ243	
6.040	OUTDOOR IP66 POE INJECTOR, 112W 100 to 240VAC, INC SURGE ARRESTORS, POWER CORD NOT INCLUDED, USE WITH ALL WTM 4000 (MIT-51G-56PNN-IP66-T105G)	045-310108-001	\$525	30.00	\$158	\$367
6.041	OUTDOOR IP66 POE INJECTOR, 112W 40 to 72VDC, INC SURGE ARRESTORS, POWER CORD NOT INCLUDED, USE WITH ALL WTM 4000 (MIT-65G-4856-IP66-T105G)	045-310109-001	\$547	30.00	\$164	\$383
6.042	Power Cord, IEC 60320-C13 to NORTH AMERICA PLUG, 2-2.5m (6.5-8') (17250 10 B1)	2940-04-00-01	\$34	30.00	\$10	\$24
6.043 6.044	WiFi Dongle, USB-powered (07W8938) CABLE, PWR 2 CORE BLUE/GREY, 2x16AWG, 10M UNTERM (FRHT1300292-10)	009-320006-001 037-579712-010	\$202 \$78	30.00 30.00	\$61 \$23	\$141 \$55
6.045	CABLE, PWR 2 CORE BLUE/GREY, 2x16AWG, 50M UNTERM (FRHT1300292-50)	037-579712-050	\$389	30.00	\$117	\$272
6.046 6.047	CABLE, PWR 2 CORE BLUE/GREY, 2x16AWG, 100M UNTERM (FRHT1300292-100) CABLE, PWR 2 CORE BLUE/GREY, 2x16AWG, 500M REEL (FRHT1300292-500)	037-579712-100 037-579712-500	\$778 \$3,889	30.00 30.00	\$233 \$1,167	\$545 \$2,722
6.048	CONN, TERMINAL BLOCK, RECEPTACLE, 6 PIN, DUAL ROW, 3.5MM PITCH, CABLE MOUNT (1790302)	034-392398-001	\$17	30.00	\$5	\$12
6.049 6.050	CABLE KIT, ETHERNET, CAT 5E, SHIELDED, 24 AWG, INDOOR/OUTDOOR, INCLUDES 2x RJ45 (M) CABLE KIT, ETHERNET, CAT 5E, SHIELDED, 24 AWG, INDOOR/OUTDOOR, INCLUDES 2x RJ45 (M)	037-579711-050 037-579711-100	\$148 \$295	30.00 30.00	\$44 \$89	\$104 \$206
6.051	CABLE, CAT 5E, 24AWG, 500M UNTERM REEL (HGTD-CAT5E)	037-579711-500	\$785	30.00	\$236	\$549
6.052 6.053	CONN PG SHLD RJ-45 8P8C (TA5708FS) CRIMP TOOL, RJ45 EDGE ODU CABLE (TA5808A)	039-020096-721 008-311001-001	\$1 \$50	30.00 30.00	\$15	\$1 \$35
6.054	CABLE TIE, 450 MM (17.7") LENGTH, 4.8 MM WIDTH, NYLON, BLACK, (KIT, 50 PIECES) (40417)	006-371750-000	\$9	30.00	\$3	\$6
6.055 6.056	CABLE, FIBRE OPTICS, OUTDOOR, SMF, 2xLC to 2xLC, 10M (037-579710-010 R004) CABLE, FIBRE OPTICS, OUTDOOR, SMF, 2xLC to 2xLC, 50M (037-579710-050 R004)	037-579723-010 037-579723-050	\$89 \$2 81	30.00 30.00	\$27 \$84	\$62 \$ 197
6.057	CABLE, FIBRE OPTICS, OUTDOOR, SMF, 2xLC to 2xLC, 100M (037-579710-100 R004)	037-579723-100	\$481	30.00	\$144	\$337
6.058 6.059	CABLE, FIBRE OPTICS, OUTDOOR, SMF, 2xLC to 2xLC, 300M (037-579710-300 R004) CABLE, FIBRE OPTICS, OUTDOOR, SMF, 2xLC to 2xLC, 500M (037-579710-500 R004)	037-579723-300 037-579723-500	\$1,272 \$2,065	30.00 30.00	\$382 \$620	\$890 \$1,445
6.060	WTM 4000 POE CABLE, CAT 6, 22AWG, 50M PRE-TERMINATED WITH RJ-45, GLAND PRE-FITTED (C45593-A567-A050)	037-579724-050	\$351	30.00	\$105	\$246
6.061	WTM 4000 POE CABLE, CAT 6, 22AWG, 75M PRE-TERMINATED WITH RJ-45, GLAND PRE-FITTED (C45593-A567-A075)	037-579724-075	\$504	30.00	\$151	\$353
6.062	WTM 4000 POE CABLE, CAT 6, 22AWG, 100M PRE-TERMINATED WITH RJ-45, GLAND PRE-FITTED (C45593-A567-A100)	037-579724-100	\$475	30.00	\$143	\$332
6.063 6.064	GIG ETH SFP, OPT SMF 1310nm LC 1000BASE-LX, <10 KM (LS38-C3S-TC-N) GIG ETH SFP, OPT SMF 1550nm LC 1000BASE-ZX, <70KM (LS48-C3U-TC-N)	079-422656-001 079-422665-001	\$86 \$599	30.00 30.00	\$26 \$180	\$60 \$4 19
6.065	SFP+ OPT TRANSCEIVER, DUAL RATE 1G-10G ETHERNET, 1310nm, 10KM SM (FTLX1471D3BCV)	079-422668-001	\$709	30.00	\$213	\$4 96
7.000 7.001	ProVision EMS - Software, ProVision PLUS ProVision Solution Pack - 10 Nodes	614-225008-002	\$5,648	50.00	\$2,824	\$2,824
7.002 7.003	PROVISION SOLUTION PACK - 50 NODES PROVISION SOLUTION PACK - 100 NODES	614-225061-002 614-225012-002	\$23,722 \$45,184	50.00 50.00	\$11,861 \$22,592	\$11,861 \$22,592
7.004	PROVISION SOLUTION PACK - 250 NODES	614-225063-002	\$67,776	50.00	\$33,888	\$33,888
7.005 7.006	PROVISION SOLUTION PACK - 500 NODES STANDBY SERVER - PV SOLUTION PACK - 100 NODES	614-225014-002 614-625012-001	\$90,368 \$5,648	50.00 50.00	\$45,184 \$2,824	\$45,184 \$2,824
7.007	STANDBY SERVER - PV SOLUTION PACK - 500 NODES	614-625014-001	\$16,944	50.00	\$8,472	\$8,472
7.008 7.009	ProVision Plus EM Fault & Performance Module Technology License ProVision Plus EM Fault & Performance Module WTM 4000 Device License (10 pack)	276-101001-001 276-101002-001	\$33,888 \$3,954	50.00 50.00	\$16,944 \$1,977	\$16,944 \$1,977
7.010	ProVision Plus EM Fault & Performance Module WTM 4000 Device License	276-101022-001	\$395	50.00	\$198	\$197

Produce Place State Produced beautiful Control (Control State St		EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Discount		Unit Price
2-2012	ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	
1.593							\$257
Johnston File Std Production (File Std Production (Std Std Device Location (Std Std Std Std Std Std Std Std Std Std							
1.75 1.75							\$395
Total							\$28,240
270.000 270.00000 270.0000 270.0000 270.0000 270.00000 270.00000 270.000							\$452
Total							\$452
Toylor Provision Plan Carter Element Fault & Preference Folds PTT 84 00 Device Lisense 278-807022-001 \$169 \$50.00 \$885 \$31.00 \$10.00							
Tools							\$84
Provision Plant N. A. C. Fast & Performance Technology, Learner Updated Bundle							\$110
276-07000-07001 797-077 276-0700-07001 797-077 276-0700-07001 276-0700-07001 276-0700-07001 276-0700-07001 276-0700-07001 276-0700-07001 276-0700-07000-0700-0700-0700-0700-0700-							
Polystape Place Bit & CF Faul & Performance PTM 4000 Device Lucene Burdle	7.026	ProVision Plus EM & CE & IP/MPLS Fault & Performance Technology License Bundle	276-801002-001	\$79,072	50.00	\$39,536	\$39,536
Transport Tran							
17.053							\$268
Total Provision Plas RB Model Fechnology License							\$401
Profession Plus 19th Availability Module Technology Licenses							\$663 \$160,440
Description Description (Page Service to 1, 10, 10, 10, 10, 10, 10, 10, 10, 10,							\$169,440
Provision Vintrium Servert, up to 1,000 S.V. Entry Level. Tower	7.034	ProVision Plus NBI Lite Module Technology License	276-903001-001	\$33,888	50.00	\$16,944	\$16,944
Provision Vintrium Servert, up to 1,000 S.V. Entry Level. Tower	8 000	ProVision FMS - Hardware					
Section Processing Name 19 10 10 10 10 10 10 10			614-100140-001	\$5,196	30.00	\$1,559	\$3,637
5,004 ProVision Windows Server, up 10 to 00 SIV. Entry Level, Rock Mounted							\$4,428
8.000 Provision Windows Server, up to 3.000 Sty. Mid Level Rack Mounted							
5.007 ProVision Plas Windows Series, High Level, Risk Mounted 614-10016-001 33,383 31,010 31,77 31,000 32,000 31,77 31,000 32,000 31							\$7,492
8.009 Povision Windows Client Laptop up to 9.000 SIV, Pinty Level							\$7,274
8.090 Provision Windows Client Laiptop us to 3.500 SLV. Entry Level							
8.011 24" MONITOR OPTION 8.012 AVM CONSOLE CONSISTS OF KEYBOARD, 19" LOLD MONITOR, 8-PORT SWITCH, IP REMOTE ACCESS, 4-POST RACK MOUNT (OPTIONAL MOUNTING REACKET 614-100137-2002 TO MOUNT ON 2-POST RACK MOUNT (OPTIONAL MOUNTING REACKET 614-100137-2002 TO MOUNT ON 2-POST RACK MOUNT (OPTIONAL MOUNTING SEARCKET 614-100137-2002 TK WITCH CONSOLE (8019-200) APPOST RACK MOUNT (OPTIONAL MOUNTING SEARCKET, 2-POST RACK MOUNT BRACKET FOR 614-100137-2001 KVM CONSOLE (8019-200) ASSERVANCE APPOST RACK MOUNT BRACKET FOR 614-100137-2001 KVM CONSOLE (8019-200) ASSERVANCE APPOST RACK MOUNT BRACKET FOR 614-100137-2001 KVM CONSOLE (8019-200) ASSERVANCE APPOST RACK MOUNT (AVERAGE AND ADMINISTRACE) PROBLEM APPOST RACK MOUNT, DISH (STD. WHITE), 5025-7125 GHZ, RADOOME (STD. GRAY), SINGLE POLIC LOASS INFOCIORIES, SINGLE PIECE REFLECTOR, 250 MAPH, 2004 KMPH, 20							\$1,502
8.012 KVM CONSOLE CONSISTS OF KEYBOARD, 19* LCD MONITOR, 8-PORT SWITCH, IP REMOTE ACCESS, 4-POST RACK MOUNT (OPTIONAL MOUNT ON 2-POST RACK), 19*, 1 RU, 120-240 VAC INPUT, 5080 HZ, 013 TO 5-15P POWER CORD (8020-U08-19-P) 8.013 MOUNTING BRACKET, 1-POST RACK MOUNT BRACKET FOR 614-100137-001 KVM CONSOLE (8019-100) 9.000 RAS service 9.000 RAS service 1. FAS CAPEX 9.001 FAS Software & Support, per link (19 Years) 9.002 FAS Software & Support, per link (19 Years) 9.002 LVS. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile Austis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (ULS-P) 1. U.S. Sile A							\$1,107
### 4-POST RACK MOUNT (OPTIONAL MOUNTING BRACKET 614-100137-002 TO MOUNT ON 2-POST RACK MOUNT (OPTIONAL MOUNTING BRACKET FOR 614-100137-001 KVM CONSOLE (8019-000) ### 50000							
9.000 RAS service	3.5.2	4-POST RACK MOUNT (OPTIONAL MOUNTING BRACKET 614-100137-002 TO MOUNT ON 2-POST		\$6,515	55.55	41,555	,,,,,,,,,
FAS (CAPEX) FAS Software & Support, per link (6 Years) FAS Software & Support, per link (19 Years) FAS CAPEX \$8.085 \$2.00 \$2.021 \$8.08 \$1.033 \$3.10 \$1.035	8.013		614-100137-002	\$182	30.00	\$55	\$127
9.001 FAS Software & Support, per link (6 Years) FAS-CAPEX 58.05 51.05 58.00 50.002 FAS Software & Support, per link (10 Years) FAS-CAPEX 58.08 25.00 52.021 58.00 59.003 U.S. Professional Services U.S. Sile Audis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) U.S. Sile Audis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Other) U.S. ADDCH	9.000	RAS service					
9.002 FAS Software & Support, per link (10 Years)	0.004		EAO OAREV	00.750	05.00	04.000	# 5 000
ULS Professional Services 9,003 U.SSite Audis, Interference Analysis, PCN Updates & FCC License Modification, per link single channel (Public Safety) U.SDT \$5,333 25,00 \$1,033 \$3,10 \$1,000 U.SDT \$5,333 25,00 \$1,333 \$4,00 U.SDT \$5,333 25,00 \$3,33 \$4,00 U.SDT \$5,333 25,00 \$3,33 \$4,00 U.SDT \$5,333 25,00 \$3,33 \$4,00 U.SDT \$5,333 25,00 \$3,35 U.SDT \$5,333 U.SD							
Public Safety		ULS Professional Services					\$3,100
9.005 U.S. Services - Number of hops with more than 1 RF channel U.S. ADDCH \$1.540 25.00 \$385 \$1.15 PAS-OPEX FAS (Annual / OPEX) \$1.200 \$2.00 \$313 \$93 \$93 \$9.007 FAS Software & Support, per link (1 Year) FAS	9.004	(Public Safety)	ULS-OT				\$4,000
9.006 FAS Software & Support, per link (1 Year) FAS-OPEX \$1,250 25.00 \$313 \$93 \$93 \$90.007 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 \$1,000 FAS Software & Support, per link (1 Year) \$1,000 FAS Soft	9.005	ULS Services - Number of hops with more than 1 RF channel	ULS-ADDCH	\$1,540	25.00	\$385	\$1,155
9.007 FAS Software & Support, per link (1 Year) FAS-OPEX \$1,250 \$25.00 \$313 \$93 \$10,000 Direct Mount Antennas Direct Mount Antennas The Company of th	0.006		EAS OBEY	\$1.250	25.00	¢212	\$037
ANTENNA, L6/JG GHZ, 1,8 M (6FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5:925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B1/B2, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP-6-6W-GT1A) ANTENNA, L6/JG GHZ, 1,8 M (6FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5:925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B1/B2, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP-6-6W-GT2), SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP-6-6W-GT2), SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP-6-6W-GT2), SINGLE PIECE REFLECTOR, 250 KMPH, 200 KMPH (VHLP-6-6W-GT2), SINGLE PIECE REFLECTOR, 5925-7.125 GHZ, RADOME (STD: GRAY), SINGLE PIECE, CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 5925-7.125 GHZ, RADOME (STD: GRAY), SINGLE PIECE, CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 5925-7.125 GHZ, RADOME (STD: GRAY), SINGLE PIECE REFLECTOR, 590 KMPH, 100 KMPH (VHLP4-1							\$937
III/FCC101B1/B2. SINGLE PIÉCE REFLECTOR. 250 KMPH. 180 KMPH (VHLP8-6W-GT1A)			AND-VHLP6-6W-GT1	\$4,160	28.00	\$1,165	\$2,995
10.002 ANTENNA, Le/UG GHZ, 1.8 M (6FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.126 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B1/B2, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP8-6W-GT2) ANTENNA, L6/UG GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 250 KMPH, 200 KMPH (VHLP8-6W-GT14) ANTENNA, L6/UG GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 250 KMPH, 200 KMPH (VHLP8-6W-GT2) ANTENNA, L6/UG GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP3-6W-GT2) ANTENNA, L6/UG GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 250 KMPH, SINGLE PIECE REFLECTOR, 250 KMPH, VHLP3-6W-GT2) ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT3- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, VALULINE, HPLP (GT3- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, VALUEN, HPLP (GT3- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE PIECE REFLECTOR, 250 KMPH, SINGLE PIECE REFLECTOR, 250 KMPH, VALUEN, HPLP (GT3- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP3-11W-GT2) ANTENNA, 10/11 GHZ, 1.0 M (SFT), VALULINE, HPLP							
SINGLE PIECE REFLECTOR, 250 KMPH, 180 KMPH (VHLP8-6W-GT2)	10.002	ANTENNA, L6/U6 GHZ, 1.8 M (6FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT,	AND-VHLP6-6W-GT2	\$4,142	28.00	\$1,160	\$2,982
MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-6W-GT1A) ANTENNA, L6/U6 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2-CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-6W-GT2) ANTENNA, L6/U6 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1-RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT1) ANTENNA, L6/U6 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1-RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT2) ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1-RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2-CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT3-CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT12) ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2-CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT12) AND-VHLP3-11W-GT2 S1,479	10.002	SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP6-6W-GT2)		\$2.427	29.00	©E00	£4 520
10.004 ANTENNA, L6/IJG GHZ, 12 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-6W-GT2) 10.005 ANTENNA, L6/IJG GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT14) 10.006 ANTENNA, L6/IJG GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT2) 10.007 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) 10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)	10.003	MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS	AND-VHLP4-6VV-GTT	\$2,13 <i>1</i>	26.00	\$298	\$1,539
PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-6W-GT2)	10.004		AND-VHLP4-6W-GT2	\$2,119	28.00	\$593	\$1,526
10.005 ANTENNA, L6/U6 GHZ, 1,0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC10182, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT1A) 10.006 ANTENNA, L6/U6 GHZ, 1,0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC10182, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT2) 10.007 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) 10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)							
MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR, 250 KMPH. 180 KMPH (VHLP3-6W-GT1A)	10.005		AND VIII D2 6W CT1	¢1 620	20.00	\$456	¢1 170
III/FCC101B2_SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT1A)	10.005		AND-VILPS-6VV-GTT	\$1,020	26.00	\$400	\$1,172
DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT2) 10.007 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) 10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) AND-VHLP3-11W-GT1 \$1,497 28.00 \$419 \$1,07 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DIAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)		III/FCC101B2. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT1A)					
PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-6W-GT2) 10.007 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) 10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)	10.006		AND-VHLP3-6W-GT2	\$1,610	28.00	\$451	\$1,159
10.007 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A) 10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)							
III/FCC101A. SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT1A)	10.007	ANTENNA, 10/11 GHZ , 1.2 M (4FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT	AND-VHLP4-11W-GT1	\$1,957	28.00	\$548	\$1,409
10.008 ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DIAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2) 10.010 DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)							
DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 200 KMPH (VHLP4-11W-GT2) 10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)	10.008		AND-VHLP4-11W-GT2	\$1,939	28.00	\$543	\$1,396
10.009 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE PICC REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2) AND-VHLP3-11W-GT1 \$1,497		DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE					
MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS II/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH. (VHLP3-11W-GT1A) 10.010 ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS II/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH. (VHLP3-11W-GT2)	10.000		AND-VHI P3-11M/ GT1	\$1.407	28.00	\$410	\$1.079
III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A)	10.009		AND-VIILE 3-11VV-G11	φ1,487	20.00	94 19	φ1,078
DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)		III/FCC101A/B. SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT1A)					
SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-11W-GT2)	10.010		AND-VHLP3-11W-GT2	\$1,479	28.00	\$414	\$1,065
	10.011	ANTENNA, 10/11 GHZ , 0.6 M (2FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT	AND-VHLP2-11W-GT1	\$646	28.00	\$181	\$465
MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B_SINGLE PIECE REFLECTOR_250 KMPH_180 KMPH (VHLP2-11W-GT1A)	1						

	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Disco	ount	Unit Price
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	Office Price
10.012	ANTENNA, 10/11 GHZ , 0.6 M (2FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT,	AND-VHLP2-11W-GT2	\$614	28.00	\$172	\$442
	DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-11W-GT2)					
10.013	ANTENNA, 18 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE	AND-VHLP3-18-GT1	\$1,497	28.00	\$41 9	\$1,078
10.014	PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-18-GT1A) ANTENNA, 18 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE	AND-VHLP3-18-GT2	\$1,479	28.00	\$414	\$1,065
10.015	REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-18-GT2) ANTENNA, 18 GHZ, 0.6 M (2FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ. RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE	AND-VHLP2-18-GT1	\$600	28.00	\$168	\$432
10.016	PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-18-GT1A) ANTENNA, 18 GHZ, 0.6 M (2FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE	AND-VHLP2-18-GT2	\$584	28.00	\$164	\$420
10.017	REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-18-GT2) ANTENNA, 18 GHZ, 0.3 M (1FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101B2, SINGLE	AND-VHLP1-18-GT1	\$507	28.00	\$142	\$365
10.018	PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP)-18-GT1A) ANTENNA, 18 GHZ, 0.3 M (1FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 17.7-19.7 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101B2, SINGLE PIECE	AND-VHLP1-18-GT2	\$4 91	28.00	\$137	\$354
10.019	REFLECTOR, 250 KMPH. 180 KMPH (VHLP1-18-GT2) ANTENNA, 23 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 21,2-23.6 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE	AND-VHLP3-23-GT1	\$1,497	28.00	\$41 9	\$1,078
10.020	PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-23-GT1A) ANTENNA, 23 GHZ, 1.0 M (3FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH	AND-VHLP3-23-GT2	\$1,479	28.00	\$414	\$1,065
10.021	(STD: WHITE), 21.2-23.6 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP3-23-GT2) ANTENNA, 23 GHZ, 0.6 M (2FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT,	AND-VHLP2-23-GT1	\$600	28.00	\$168	\$432
10.022	DISH (STD: WHITE), 21.2-23.6 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-23-GT1A) ANTENNA, 23 GHZ, 0.6 M (2FT), VALULINE, HPLP (GT2- CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 21.2-23.6 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE	AND-VHLP2-23-GT2	\$5 69	28.00	\$ 159	\$410
10.023	REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-23-GT2) ANTENNA, 23 GHZ, 0.3 M (1FT), VALULINE, HPLP (GT1- RECTANGULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 21.2-23.6 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE	AND-VHLP1-23-GT1	\$507	28.00	\$142	\$365
10.024	PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP1-23-GT1A) ANTENNA, 23 GHZ, 0.3 M (1FT), VALULINE, HPLP (GT2-CIRCULAR INTERFACE), DIRECT MOUNT, DISH (STD: WHITE), 21.2-23.6 GHZ, RADOME (STD: GRAY), DUAL POL., CLASS III/FCC101A, SINGLE PIECE	AND-VHLP1-23-GT2	\$4 91	28.00	\$137	\$354
	REFLECTOR. 250 KMPH. 180 KMPH (VHLP1-23-GT2)					
11.000 11.001	Remote Mount Antennas ANTENNA, L6 GHZ, 3.7 M (12FT), TRUNKLINE, HP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-6.425 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS II/FCC101A, TWO PIECE	RFS-DA12-59XC	\$20,442	28.00	\$5,724	\$14,718
11.002	REFLECTOR. 200 KMPH. 190 KMPH (DA12-59AC) ANTENNA, L6/U6 GHZ, 3.7 M (12FT), VALULINE, HP, HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS III/FCC101A, TWO PIECE	AND-HX12-6W-6GR	\$18,167	28.00	\$5,087	\$13,080
11.003	REFLECTOR. 200 KMPH. 180 KMPH (HX12-6W-6GR) ANTENNA, L6/U6 GHZ, 3.7 M (12FT), SENTINEL, UHP, SUPER HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS 4/FCC101A, TWO PIECE	AND-USX12-6W-6GR	\$17,719	28.00	\$4 ,961	\$12,758
11.004	REFLECTOR. 200 KMPH. 180 KMPH (USX12-6W-6GR) ANTENNA, L6/U6 GHZ, 3.0 M (10FT), VALULINE, HP, HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS III/FCC101A, TWO PIECE	AND-HX10-6W-6GR	\$12,951	28.00	\$3,626	\$9,325
11.005	REFLECTOR. 200 KMPH. 180 KMPH (HX10-6W-6GR) ANTENNA, L6 GHZ, 3.0 M (10FT), TRUNKLINE, HP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-6.425 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS II/FCC101A, SINGLE PIECE	RFS-DA10-59XC	\$13,423	28.00	\$3,758	\$9,665
11.006	REFLECTOR. 200 KMPH. 190 KMPH (DA10-59AC) ANTENNA, L6/U6 GHZ, 3.0 M (10FT), SENTINEL, UHP, SUPER HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS 3/FCC101A, TWO PIECE	AND-USX10-6W-6GR	\$13,692	28.00	\$3,834	\$9,858
11.007	REFLECTOR. 200 KMPH. 180 KMPH (USX10-6W-6GR) ANTENNA, L6/U6 GHZ, 2.4M (8FT), VALULINE, HP, HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS III/FCC101A, SINGLE PIECE	AND-HX8-6W-6GR	\$8,054	28.00	\$2,255	\$5,799
11.008	REFLECTOR. 200 KMPH. 180 KMPH (HX8-6W-6GR) ANTENNA, L6 GHZ, 2.4 M (8FT), TRUNKLINE, HP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-6.425 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS II/FCC101A, SINGLE PIECE	RFS-DA8-59XC	\$10,866	28.00	\$3,042	\$7,824
11.009	REFLECTOR. 200 KMPH. 190 KMPH ANTENNA, L6/U6 GHZ, 2.4M (8FT), SENTINEL, UHP, SUPER HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A, SINGLE PIECE	AND-USX8-6W-6GR	\$9,343	28.00	\$2,616	\$6,727
11.010	REFLECTOR. 200 KMPH. 180 KMPH (USX8-6W-6GR) ANTENNA, L6/U6 GHZ, 1.8 M (6FT), SENTINEL, UHP, SUPER HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 5.925-7.125, RADOME (STD: GRAY), CPR137G, DUAL POL., CLASS IV/FCC101A, SINGLE PIECE	AND-USX6-6W-6GR	\$6,887	28.00	\$1,928	\$4,959
11.011	REFLECTOR. 200 KMPH. 180 KMPH (USX6-6W-6GR) ANTENNA, L6/U6 GHZ, 1.8 M (6FT), COMPACTLINE, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS III/FCC101A, SINGLE PIECE	RFS-SB6-W60XC	\$5,740	28.00	\$1,607	\$4,133
11.012	REFLECTOR. 200 KMPH. 200 KMPH ANTENNA, L6/U6 GHZ, 1.8 M (6FT), VALULINE, HPLP, REMOTE MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY) WITHOUT FLASH, CPR137G SINGLE POL., CLASS III/FCC101A, SINGLE	AND-VHLP6-6W-6WH	\$3,968	28.00	\$1,111	\$2,857
11.013	PIECE REFLECTOR. 250 KMPH/180 KMPH ANTENNA, L6/U6 GHZ, 1.2 M (4FT), VALULINE, HPLP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), CPR137G, SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE	AND-VHLP4-6W-6WH/C	\$2,798	28.00	\$783	\$2,015
11.014	REFLECTOR. 200 KMPH. 250 KMPH ANTENNA, L6/U6 GHZ, 1.2 M (4FT), COMPACTLINE, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE	RFS-SB4-W60XC	\$2,082	28.00	\$583	\$1,499
11.015	REFLECTOR. 200 KMPH. 200 KMPH (SB4-W60DC) ANTENNA, L6/U6 GHZ, 1.2 M (4FT), SENTINEL, HP, REMOTE MOUNT, DISH (STD: WHITE), 5.925 - 7.125 GHZ, RADOME (STD: WHITE), CPR137G, DUAL POL., CLASS III, FCC PART 101B2, SINGLE PIECE	AND-SHPX4-6W-6WH	\$4,104	28.00	\$1,149	\$2,955
11.016	REFLECTOR. 200 KMPH OPERATIONAL. 250 KMPH SURVIVAL (SHPX4-6W-6WH) ANTENNA, L6/U6 GHZ, 1.0 M (3FT), VALULINE, HPLP, REMOTE MOUNT, DISH (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: GRAY), CPR137G, SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE	AND-VHLP3-6W-6WH	\$2,053	28.00	\$ 575	\$1,478
11.017	REFLECTOR. 250 KMPH. 180 KMPH ANTENNA, L6/U6 GHZ, 0.9 M (3FT), COMPACTLINEEASY, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 5.925-7.125 GHZ, RADOME (STD: WHITE), CPR137G SINGLE POL., CLASS III/FCC101B2, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (SC3-W60AC)	RFS-SC3-W60XC	\$1,597	28.00	\$447	\$1,150

	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Disco	ount	Unit Price
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	
11.018	ANTENNA, L6/U6 GHz, 1.0 M (3FT), SENTINEL, HP, REMOTE MOUNT, DISH (STD: WHITE), 5.925-7.125 GHz, RADOME (STD: GRAY), PDR70, DUAL POLE, SINGLE PIECE REFLECTOR, CLASS III/FCC PART 101B2, 250 KMPH, 200 KMPH (SHPX3-6W-4WH/A)	AND-SHPX3-6W-4WH	\$1,858	28.00	\$520	\$1,338
11.019	ANTENNA, 10/11 GHZ, 1.8 M (6FT), VALULINE, HPLP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.0-11.7 GHZ, RADOME (STD: GRAY), SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR, 250 IKMPH. 180 KMPH	AND-VHLP6-11W-6WH	\$5,768	28.00	\$1,615	\$4,153
11.020	ANTENNA, 10/11 GHZ, 1.8 M (6FT), VALULINE, HP, HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 10.0- 11.7, RADOME (STD: GRAY), CPR090G, DUAL POL., CLASS III/FCC105A/107A, SINGLE PIECE REFLECTOR. 200 KMPH. 180 KMPH (HX6-11W-6GR)	AND-HX6-11W-6GR	\$5,154	28.00	\$1,443	\$3,711
11.021	ANTENNA, 10/11 GHZ, 1.8 M (6FT), SENTINEL, UHP, SUPER HIGH XPD, REMOTE MOUNT, DISH (STD: GRAY), 10.0-11.7, RADOME (STD: GRAY), CPR090G, DUAL POL., CLASS IV/FCC105A/107A, SINGLE PIECE REFLECTOR. 200 KMPH. 180 KMPH (USX6-11W-6GR)	AND-USX6-11W-6GR	\$6,887	28.00	\$1,928	\$4,959
11.022	ANTENNA, 10/11 GHZ, 1.8 M (6FT), COMPACTLINE, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.000-11.700 GHZ, RADOME (STD: WHITE), CPR90G SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 200 KMPH. 200 KMPH	RFS-SB6-W100XC	\$5,235	28.00	\$1,466	\$3,769
11.023	ANTENNA, 10/11 GHZ, 1.2 M (4FT), COMPACTLINE, UHP, HIGH GAIN, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.000-11.700 GHZ, RADOME (STD: WHITE), CPR90G SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR, 200 KMPH, 200 KMPH (SB4-W100DC-HG)	RFS-SB4-W100XC-HG	\$2,082	28.00	\$583	\$1,499
11.024	ANTENNA, 10/11 GHZ, 1.2 M (4FT), VALULINE, HPLP REMOTE MOUNT, DISH (STD: WHITE), 10.125- 11.700 GHZ, RADOME (STD: GRAY), CPR90G SINGLE POLARIZED, CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH (SURVIVAL). 200 KMPH (OPERATIONAL)	AND-VHLP4-11W-6WH	\$2,049	28.00	\$574	\$1,475
11.025	ANTENNA, 10/11 GHz, 1.2M (4ft), SENTINEL, HP, REMOTE MOUNT, DISH (STD: WHITE), 10.125 - 11.700 GHz, RADOME (STD: GRAY), DUAL POL., Class III+/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, 1200 KMPH (SHPX4-11W-6WH)	AND-SHPX4-11W-6WH	\$4,017	28.00	\$1,125	\$2,892
11.026	ANTENNA, 10/11 GHZ, 1.0 M (3FT), VALULINE, HPLP, REMOTE MOUNT, DISH (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), CPR90G, SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR, 250 KMPH. 180 KMPH	AND-VHLP3-11W-6WH	\$1,620	28.00	\$454	\$1,166
11.027	CANTENNA, 10/11 GHz, 1.0M (3ft), SENTINEL, HP, REMOTE MOUNT, DISH (STD: WHITE), 10.125 - 11.700 GHz, RADOME (STD: GRAY), DUAL POL., Class III+/FCC101A, SINGLE PIECE REFLECTOR, 250 KMPH, 200 KMPH (SHPX3-11W-6WH/A)	AND-SHPX3-11W-6WH	\$2,124	28.00	\$595	\$1,529
11.028	WHITE LIVE OVER A STORY OF THE PROPERTY OF T	RFS-SC3-W100AC	\$1,406	28.00	\$394	\$1,012
11.029	III/PCC101A-130 RMPH-SINGLE PIECE REFLECTOR ANTENNA, 10/11 GHZ, 0.6 M (2FT), COMPACTLINEEASY, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.000-11.700 GHZ, RADOME (STD: WHITE), CPR90G SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH	RFS-SC2-W100XC	\$1,060	28.00	\$297	\$763
11.030	ANTENNA, 10/11 GHZ, 0.6 M (2FT), VALULINE, HPLP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 10.125-11.7 GHZ, RADOME (STD: GRAY), CPR90G, SINGLE POL., CLASS III/FCC101A/B, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH	AND-VHLP2-11W-6WH	\$568	28.00	\$159	\$409
11.031	ANTENNA, 18 GHZ, 0.9 M (3FT), COMPACTLINEEASY, UHP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 17.700-19.700 GHZ, RADOME (STD: WHITE), PBR220, SINGLE POLARIZED, CLASS III/FCC101A,	RFS-SC3-190XB	\$1,287	28.00	\$360	\$927
11.032	SINGLE PIECE REFLECTOR. 250 KMPH. 160 KMPH (SC3-190BB) ANTENNA,18 GHZ,0.6 M (2FT),COMPACTLINEEASY, UHP,REMOTE MOUNT,PARABOLIC (STD: WHITE),17.700-19.700 GHZ,RADOME (STD: WHITE),PBR220,SINGLE POLARIZED,CLASS III/FCC101A,180 KMPH.SINGLE PIECE REFLECTOR	RFS-SC2-190BB	\$859	28.00	\$241	\$618
11.033	ANTENNA, 18 GHZ, 0.6 M (2FT), VALULINE, HPLP, REMOTE MOUNT, PARABOLIC (STD: WHITE), 17.7- 19.7 GHZ, RADOME (STD: GRAY), UG-595, SINGLE POL., CLASS III/FCC101A, SINGLE PIECE REFLECTOR. 250 KMPH. 180 KMPH (VHLP2-18-1WH/C)	AND-VHLP2-18-1WH	\$691	28.00	\$ 193	\$498
12.000	IF Cables & Accessories					
12.001 12.002	CABLE, ODU, 9913, WITH CONN/GROUND KIT, 50M CNT400 CCAL TYPE (STXC400-GKWT-50) CABLE, ODU, 9913, WITH CONN/GROUND KIT, 75M CNT400 CCAL TYPE (STXC400-GKWT-75)	037-579311-050 037-579311-075	\$248 \$597	28.00 28.00	\$69 \$167	\$179 \$430
12.003	CABLE, ODU, 9913, WITH CONN/GROUND KIT, 150M CNT400 CCAL TYPE (STXC400-GKWT-150)	037-579311-150	\$830	28.00	\$232	\$598
12.004	CONNECTOR KIT N TYPE M&F 400 TYPE CABLE (N0121A1-002-NT3G-50)	179-530057-001	\$34	28.00	\$10	\$24
12.005 12.006	LIGHTNING ARRESTOR KIT, UNIVERSAL, 50 OHM, TYPE N, MALE TO FEMALE (108-1118B-A-KIT) WEATHERPROOFING KIT (HF-TAPEKIT)	179-530062-002 011-390001-001	\$77 \$4	28.00 28.00	\$22 \$1	\$55 \$3
12.007	HOISTING GRIP, FOR 3/8 INCH COAXIAL CABLE (L2SGRIP)	AND-L2SGRIP	\$42	28.00	\$12	\$30
12.008	ADAPTER, ANGLE, SS, FOR MINI CLICK-ON HANGAERS (10/PK) (294572)	179-530160-005	\$69	28.00	\$19	\$50
12.009	MINIATURE CLICK-ON HANGER FOR 9-12 MM (BHD-38) HARDWARE, SNGL STACK, SS, FOR MINI CLICK-ON HANGERS (10/PK) (252027-10KT-P)	179-530160-007 AND-252027-10KT-P	\$19	28.00 28.00	\$5 \$15	\$14 \$38
12.010 12.011	HARDWARE, 3NGE STACK, 33, FOR MINI CEICK FON HANGERS (10FK) (232027-10K1FF) HARDWARE KIT FOR 1/2 IN OR 7/8 IN DOUBLE CLICK ON HANGERS, INCL 3/8 IN BOLTS AND	179-530160-006	\$53 \$40	28.00	\$13 \$11	\$30 \$29
12.012	TRIPLE STACK H/W KIT FOR MINI CLICK-ON HANGERS, INCL M8 BOLTS & H/W (252029-10KT-P)	AND-252029-10KT-P	\$59	28.00	\$17	\$42
12.013	THREAD ROD SUPPORT 12IN (305MM) LONG, KIT OF 5 (31771-4)	AND-31771-4	\$42 \$92	28.00	\$12	\$30 \$66
12.014 12.015	CABLE BOOT ASSY FOR 3/8 IN COR COAX CBL, 6 HOLES (SEC-638) ENTRANCE PANEL, FEED-THRU ENTRY PANEL, 4-PORT, 1X4, PORT SIZE 4", ENTRY CAP INCLUDED,	AND-SEC-638 220-000044-001	\$83	28.00 28.00	\$26 \$23	\$60 \$60
	ALUMINUM (204673-4)				·	
13.000	Waveguide & Accessories					
13.001	HARDWARE-KIT (ONE KIT PER 100FT)	179-530526-001	\$769	28.00	\$215	\$554
13.002 13.003	ELLIPTICAL WAVEGUIDE STANDARD, 5.925-7.125 GHZ, BLACK PE JACKET, PER FOOT (EW63-F) EW63INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN) (EW63INSTALL-KIT)	AND-EW63-F AND-EW63INSTALL-KIT	\$12 \$1,586	28.00 28.00	\$3 \$444	\$9 \$1,142
13.003	WAVEGUIDE CUSHION HANGER, KITS, EW63, 2-HOLE (BAG OF 5 KITS)	018-510063-002	\$93	28.00	\$ 444 \$26	\$1,142 \$67
13.005	ENTRY BOOT, KIT, FOR EW63, 4", 2-HOLE (BAEW632)	VLT-BAEW632	\$63	28.00	\$18	\$45
13.006	ELLIPTICAL WAVEGUIDE STANDARD, 10.2-11.7 GHZ, BLACK PE JACKET, PER FOOT (EW90-F)	AND-EW90-F AND-EW90INSTALL-KIT	\$11 \$1.574	28.00	\$3 \$441	\$8 \$1 122
13.007 13.008	EW90INSTALL-KIT (ONE KIT PER WAVEGUIDE RUN) (EW90INSTALL-KIT) WAVEGUIDE CUSHION HANGER, KITS, EW90, 3-HOLE (BAG OF 5 KITS)	018-510090-003	\$1,574 \$89	28.00 28.00	\$441 \$25	\$1,133 \$64
13.009	ENTRY BOOT, KIT, FOR EW90 AND EWP90, 4", 3-HOLE (BAEW903)	VLT-BAEW903	\$63	28.00	\$18	\$45
13.010	ENTRANCE PANEL, 2 PORT, 1 X 2 IN (204673-2A)	AND-204673-2A	\$121 \$160	28.00	\$34 \$45	\$87 \$115
13.011	ENTRANCE PANEL, 3 PORT, 1X3 IN (204673-3)	AND-204673-3	\$ 160	28.00	\$45	\$115
14.000 14.001	Dehydrators DEHYDRATOR, AUTOMATIC, LAB4.50, 10-60 KPA, 300 L/H, 120 VAC 50/60 HZ INPUT, 6 AIR OUTLETS 3/8", ETHERNET. INCLUDES SIX HOSE FITTING ADAPTER STRAIGHT + SIX 90 DEGREE ELBOW + 40M	CIB-C15130.602	\$6,071	28.00	\$1,700	\$4,371
14.002	HOSE. MOUNTING: WALL. FLOOR AND RACK. 19"W. 5.2"H (3RU). 13.2"D (C15130.602) MANIFOLD, 1 PORT INLET, 4 PORTS OUTLET AND SHUT OFF VALVES, 3/8" PUSH-ON FITTING (K15019- 005)	CIB-K15019-005	\$414	28.00	\$116	\$298
15.000	Factory services					
15.001	ODU/INU Level 2 Terminal Assy & RF Link Test Service	VAS-ODUINU-002	\$181	10.00	\$18	\$163
. 45 000	IRU600 Level 3, Standard Integration Service	VAS-IRU000-003	\$778	10.00	\$78	\$700
15.002 15.003	IRU600 Level 3, Advanced Custom Configuration	VAS-IRU000-AC3	\$337	10.00	\$34	\$303

	EQUIPMENT LIST	PRODUCT CODE	UNIT LIST PRICE	Disco	ount	Unit Price
ITEM	DESCRIPTION	PART NUMBER	PRICE	Pct	Amt	
15.005	ODU Level 3, Standard Integration Service	VAS-ODU000-003	\$518	10.00	\$52	\$466
15.006	ODU Level 3, Advanced Custom Configuration	VAS-ODU000-AC3	\$337	10.00	\$34	\$303
15.007	ODU Level 3, Extended Long Count BER	VAS-ODU000-LC3	\$156	10.00	\$16	\$140
15.008	WTM PRELOAD SERVICE	VAS-WTM4000-00A	\$52	10.00	\$5	\$47
16.000	Warranty					
16.001	WARRANTY PLUS IW - WORLD WIDE, 24 MONTHS, ODU 600	SWW-BWXXA1002443	\$365	20.00	\$73	\$292
16.002	WARRANTY PLUS IW - NA&C, 24 MONTHS, IRU-600	SNA-BWXXA1002438	\$311	20.00	\$62	\$249
16.003	WARRANTY PLUS IW- WORLD WIDE ,12 MONTHS, CTR 87XX w/Base or CE IMAGE	SWW-BWXXA1001253	\$117	20.00	\$23	\$94
16.004	WARRANTY PLUS IW, WORLD WIDE, 24 MONTHS, WTM-4000	SWW-BWXXA1002440	\$311	20.00	\$62	\$249
16.005	WARRANTY PLUS NW - WORLD WIDE, 12 MONTHS, ODU600	SWW-BNWXA1001243	\$546	20.00	\$109	\$437
16.006	WARRANTY PLUS NW - NA&C, 12 MONTHS, IRU-600	SNA-BNWXA1001238	\$389	20.00	\$78	\$311
16.007	WARRANTY PLUS NW- WW, 12 MONTHS, CTR 87XX w/Base or CE IMAGE	SWW-BNWXA1001253	\$317	20.00	\$63	\$254
16.008	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS EM INTEGRATION FOR PROVISION	SWW-P24T3XXX1299	\$6,325	20.00	\$1,265	\$5,060
16.009	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS HIGH AVAILABILITY MODULE	SWW-P24T10XX1299	\$37,951	20.00	\$7,590	\$30,361
16.010	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS EM & CE, FAULT &	SWW-P24T12671299	\$9,488	20.00	\$1,898	\$7,590
16.011	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS EM & CE, FAULT &	SWW-P24T12671253	\$182	20.00	\$36	\$146
16.012	PROVISION PLUS SUPPORT 24 X 7, 12 MONTHS - PROVISION PLUS EM & CE, FAULT &	SWW-P24T12671253	\$182	20.00	\$36	\$146

Item Number		UOM	San Mateo County PRICE	Notes
1	Project manager - Aviat office	Hour	\$219	- Notes
2	Project engineer - Aviat office	Hour	\$203	
3	Transmission engineer - Aviat office	Hour	\$176	
4	Network Design engineer - Aviat office	Hour	\$225	
5	Configuration engineer - Aviat office	Hour	\$140	
6	Drafter - Aviat office	Hour	\$111	
7	Field Network Integrator	Hour	\$150	Prevailing Wages
8	Field Project Manager	Hour	\$132	
9	Tower technician	Hour	\$169	Prevailing Wages
10	Project manager - Aviat office	Day	\$1,747	8-hour day
11	Project engineer - Aviat office	Day	\$1,624	8-hour day
12	Transmission engineer - Aviat office	Day	\$1,405	8-hour day
13 14	Network Design engineer - Aviat office Configuration engineer - Aviat office	Day	\$1,799 \$1,115	8-hour day 8-hour day
15	Drafter - Aviat office	Day Day	\$1,113 \$887	8-hour day
16	Field Network Integrator daily rate	Day	\$1,491	10-hour day, Prevailing wages
17	Field Project Manager daily rate	Day	\$1,316	10-hour day
18	Tower technician daily rate	Day	\$1,686	10-hour day, Prevailing wages
19	Site Survey	Site	\$1,927	Does not include travel
20	Path Survey	Path	\$3,395	Does not include travel
21	Path Surveyor Mob/Demob, per person, per occurrence	Each	\$4,169	
22	Site Surveyor Mob/Demob, per person, per occurrence	Each	\$4,001	
23	Field Network Integrator Mob/demob, per person, per occurrence	Each	\$4,001	
24	Tower technician Mob/demob, per person, per occurrence	Each	\$3,182	
25	Field living expenses, per person	Day	\$538	
26	Frequency Coordination (Frequency Bands-6, 10, 11, 18 and 23 GHz) Standard 30-day PCN			
26.01	First Frequency Pair (Per Hop)	Нор	\$2,075	
26.02	Additional Frequency pairs coordinated at the same time (Per hop)	Нор	\$1,416	
27	Frequency Coordination (Frequency Bands-6, 10, 11, 18 and 23 GHz) Expedited 14-day PCN	II.	ć2.702	
27.01 27.02	First Frequency Pair (Per Hop) Additional Frequency pairs coordinated at the same time (Per hop)	Нор Нор	\$2,792 \$1,599	
27.02	Renewal Notices-Required to protect coordinated paths when license filings haven't been	пор	\$1,555	
28	submitted.			
28.01	For first path	Нор	\$485	
28.02	For each additional path at the same time	Нор	\$121	
29	FCC License Preparation	·		
29.01	Per site location	Site	\$1,093	
30	FCC License Submittal Fee			
30.01	New License-per site location	Site	\$802	
30.02	Modification to License-per site location	Site	\$478	
31	Factory Services (Per Man Day)			
31.01	Factory Acceptance Test	Man-day	\$1,697	8 hour day
31.02	System Integration Product Quality (SIPQ)	Man-day	\$1,697	8 hour day
32	Radio installation and test (IRU600/Eclipse - All indoor radio) - 1+0 Config, 1 antenna	Hop	\$10,828	Prevailing Wages
33 34	Radio installation and test (IRU600/Eclipse - All indoor radio)- 2+0 Config, 1 antenna Radio installation and test (Eclipse - RF-ODU outdoor radio)- 1+0 Config, 1 antenna	Нор Нор	\$12,995 \$8,663	Prevailing Wages Prevailing Wages
35	Radio installation and test (Eclipse - RF-ODU outdoor radio) - 2+0 Config, 1 antenna	Нор	\$10,828	Prevailing Wages
36	End to end Network integration and field acceptance testing	Нор	\$2,166	Prevailing Wages
37	ODU installation on tower, within 3 ft. of antenna	Each	\$1,154	Prevailing Wages
38	Provision server installation and test	Per server	\$6,498	Installed during radio mobilization
39	Provision server installation and test	Per server	\$10,948	Installed in a separate mobilization
40	Alarm and control tests to NMS system	Site	\$1,084	Prevailing Wages
41	Traffic cutover	Нор	\$4,332	Prevailing Wages
42	Tower rigging	Per Tower	\$1,593	Prevailing Wages
43	Tower crew Mob/Demob, travel expenses and per diem (4-man crew)	Site	\$4,087	Prevailing Wages
44	Main Antenna install 1-2' - up to 100' CL w/Alignment	Per Antenna	\$4,570	Prevailing Wages
45	Main Antenna install 3-4' - up to 100' CL w/Alignment	Per Antenna	\$5,632	Prevailing Wages
46	Main Antenna install 6-8' - up to 100' CL w/Alignment	Per Antenna	\$8,829	Prevailing Wages
47	Main Antenna install 10-12' - up to 100' CL w/Alignment	Per Antenna	\$14,958	Prevailing Wages
48	Main Antenna install 1-2' - 101 to 200' CL w/Alignment	Per Antenna	\$5,090	Prevailing Wages
49 50	Main Antenna install 3-4' - 101 to 200' CL w/Alignment Main Antenna install 6-8' - 101 to 200' CL w/Alignment	Per Antenna Per Antenna	\$6,087 \$9,868	Prevailing Wages Prevailing Wages
51	Main Antenna install 10-12' - 101 to 200' CL w/Alignment	Per Antenna	\$14,958	Prevailing Wages
52	Diversity antenna install 1-2' - 101 to 200' CL w/Alignment	Per Antenna	\$3,843	Prevailing Wages
53	Diversity antenna install 3-4' - 101 to 200' CL w/Alignment	Per Antenna	\$5,048	Prevailing Wages
54	Diversity antenna install 6-8' - 101 to 200' CL w/Alignment	Per Antenna	\$7,583	Prevailing Wages
55	Diversity antenna install 10-12' - 101 to 200' CL w/Alignment	Per Antenna	\$13,400	Prevailing Wages
56	Diversity antenna install 1-2' - 101 to 200' CL w/Alignment	Per Antenna	\$4,363	Prevailing Wages
57	Diversity antenna install 3-4' - 101 to 200' CL w/Alignment	Per Antenna	\$5,567	Prevailing Wages
58	Diversity antenna install 6-8' - 101 to 200' CL w/Alignment	Per Antenna	\$8,102	Prevailing Wages
59	Diversity antenna install 10-12' - 101 to 200' CL w/Alignment	Per Antenna	\$13,919	Prevailing Wages
60	Antenna stiff arm tie-back material and installation	Per stiff arm	\$1,905	Prevailing Wages
61	Main Waveguide (EW52 or EW63) Includes Connector attachment & Grounding	Per Foot	\$35	100 feet minimum charge
62	Main Waveguide (EW90) labor only Includes Connector attachment & Grounding	Per Foot	\$33	100 feet minimum charge

Item		San Mateo County				
Number		UOM	PRICE	Notes		
63	Main Waveguide (EW132/EW180/EW220) Install, Connector attachment & Grounding	Per Foot	\$28	100 feet minimum charge		
64	Diversity Waveguide (EW52 or EW63) Install, Connector attachment & Grounding	Per Foot	\$28	100 feet minimum charge		
65	Diversity Waveguide (EW90) Install, Connector attachment & Grounding	Per Foot	\$23	100 feet minimum charge		
66	Diversity Waveguide (EW132/EW180/EW220) Install, Connector attachment & Grounding	Per Foot	\$21	100 feet minimum charge		
67	Main Coax (LMR 400) labor only Includes Connector attachment & Grounding	Per Foot	\$12	100 feet minimum charge		
68	Diversity or hot standby Coax (LMR 400) Install	Per Foot	\$10	100 feet minimum charge		
69	Sweep Test (VSWR)	Per line	\$1,039	Prevailing Wages		
70	Install Ice Shield Kit, for 1-2 feet antenna	Per Ice shield	\$3,347	Prevailing Wages		
71	Install Ice Shield Kit, for 3-4 feet antenna	Per Ice shield	\$3,970	Prevailing Wages		
72	Install Ice Shield Kit, for 6 feet antenna	Per Ice shield	\$4,905	Prevailing Wages		
73	Install Ice Shield Kit, for 8 feet antenna	Per Ice shield	\$5,944	Prevailing Wages		
74	Install Ice Shield Kit, for 10 feet antenna	Per Ice shield	\$7,271	Prevailing Wages		
75	Install Ice Shield Kit, for 12 feet antenna	Per Ice shield	\$9,349	Prevailing Wages		
76	Install dehydrator and 6-port manifold - Rack Mounted	Per Unit	\$831	Prevailing Wages		
77	Install dehydrator and 6-port manifold - Wall Mounted (Includes backboard)	Per Unit	\$1,454	Prevailing Wages		
78	Install DC power system - Redundant 25 amp charger & 105 Amp-Hr. battery (No AC work)	Per Unit	\$2,771	Prevailing Wages		
79	Install DC power system - Redundant 50/75 amp charger & 210 Amp-Hr. battery (No AC work)	Per Unit	\$3,463	Prevailing Wages		
80	Install DC power system - Redundant 150 amp charger & 320 Amp-Hr. battery (No AC work)	Per Unit	\$4,386	Prevailing Wages		
81	Installation close out package	Site	\$924	Prevailing Wages		
82	De-Installation			Prevailing Wages		
82.01	Removal of Equipment rack(up to 8 feet high)	Per rack	\$1,032	Prevailing Wages		
82.02	Removal of DC power system - Redundant 25 amp charger & 105 Amp-Hr. battery	Per Unit	\$1,377	Prevailing Wages		
82.03	Removal of DC power system - Redundant 50/75 amp charger & 210 Amp-Hr. battery	Per Unit	\$1,652	Prevailing Wages		
82.04	Removal of DC power system - Redundant 150 amp charger & 320 Amp-Hr. battery	Per Unit	\$1,917	Prevailing Wages		
82.05	Removal of antenna and transport to customer warehouse, 1-2' up to 100' CL	Per Antenna	\$1,154	Prevailing Wages		
82.06	Removal of antenna and transport to customer warehouse, 1-2' 101 to 200' CL	Per Antenna	\$1,501	Prevailing Wages		
82.07	Removal of antenna and transport to customer warehouse, 3-4' up to 100' CL	Per Antenna	\$1,154	Prevailing Wages		
82.08	Removal of antenna and transport to customer warehouse, 3-4' 101 to 200' CL	Per Antenna	\$1,501	Prevailing Wages		
82.09	Removal of antenna and transport to customer warehouse, 6-8' up to 100' CL	Per Antenna	\$1,501	Prevailing Wages		
82.10	Removal of antenna and transport to customer warehouse, 6-8' 101 to 200' CL	Per Antenna	\$1,847	Prevailing Wages		
82.11	Removal of antenna and transport to customer warehouse, 10-12' up to 100' CL	Per Antenna	\$2,309	Prevailing Wages		
82.12	Removal of antenna and transport to customer warehouse, 10-12' 101 to 200' CL	Per Antenna	\$3,002	Prevailing Wages		
82.13	Removal of Pipe mount	Per mount	\$1,154	Prevailing Wages		

Notes and Assumption

- De-installation/removal assumes original deployment for installation on the same trip and equipment delivered to the customer warehouse within 50 miles of the site. If a special trip to remove items is needed additional mobilization fees will apply.
- Pricing is for installation, test and de-installation only, material is excluded, unless otherwise specifically noted on individual lines