

California Radio Interoperable System (CRIS) Trunked Radio Service Agreement

This Cooperative Service Agreement (“Agreement”) is hereby entered into on July 16, 2024 by and between the California Governor’s Office of Emergency Services, Public Safety Communications, referred to herein as “Cal OES/PSC” and the County of Nevada, referred to herein as the SUBSCRIBER. Together, Cal OES/PSC and the SUBSCRIBER shall collectively be referred to as the “Parties.”

RECITALS

WHEREAS, the CRIS is a statewide trunked radio system designed to provide state, federal, local, and tribal public safety first responders the ability to seamlessly communicate intra-agency and inter-agency across the majority of the State of California;

WHEREAS, the CRIS operates in the 700/800 MHz and Very High Frequency spectrum utilizing Project 25 Phase II technology and provides mobile radio coverage along the major traffic arteries throughout the State of California as well as the major areas of the State’s population;

WHEREAS, to expand and enhance coverage in densely populated areas of the State of California such as San Diego, Sacramento, Los Angeles and San Francisco, the CRIS will link with existing regional trunked radio systems;

WHEREAS, the CRIS is managed by Cal OES/PSC and Cal OES/PSC is responsible for engineering, maintaining, operating and modifying the system;

WHEREAS, Cal OES/PSC is also responsible for ensuring that Federal Communications Commission (FCC) licensing is maintained for all equipment operating on the CRIS system frequencies;

WHEREAS, certain agencies who would like to participate in the CRIS shall do so by entering into this Agreement with the Cal OES/PSC;

WHEREAS, the CRIS will provide SUBSCRIBER with improved radio frequency coverage and enhanced ability to intercommunicate with other first responders during emergency situations;

WHEREAS, Cal OES/PSC will receive fees from the SUBSCRIBER to access the CRIS and such fees will help to further develop the CRIS and provide more efficient use of California’s allocated 700/800 MHz and VHF frequency spectrum;

WHEREAS, by signing this Agreement, both Parties benefit by being able to more efficiently coordinate actions in the event of an emergency through a common radio communications system.

NOW, THEREFORE, it is mutually agreed between the Parties hereto as follows:

AGREEMENT

Under this Agreement, Cal OES/PSC shall provide trunked radio services to the SUBSCRIBER through the CRIS. Such services shall be provided based solely on the terms and conditions set forth herein.

1. Cal OES/PSC RESPONSIBILITIES

Cal OES/PSC hereby agrees that it will:

- 1.1. Provide 700/800 MHz and VHF trunked public safety radio communications service on a 24 hours per day, 7 days per week, 365 days per year basis to SUBSCRIBER. Cal OES shall provide mobile radio coverage to SUBSCRIBER through the CRIS along major traffic arteries throughout California and in densely populated and rural areas throughout the State. For current predicted coverage, please refer to the CRIS website at www.caloes.ca.gov/CRIS.
- 1.2. Ensure normal system maintenance will be performed as required on a 24- hour per day, 7 day per week, 365 days per year schedule on the CRIS to minimize any system infrastructure down time. Planned outages for scheduled maintenance for CRIS will be posted on the CRIS website and notification emailed to a representative designated by SUBSCRIBER. Repairs to the CRIS will be completed as defined under the Outage Reporting Policy at www.caloes.ca.gov/CRIS.
- 1.3. Provide, as a basic service to the SUBSCRIBERS, the following: Primary SUBSCRIBERS, defined as radios assigned to SUBSCRIBER agencies or departments that have their own talk groups will pay a monthly SUBSCRIBER fee to utilize the system for day-to-day communications, and receive as many talk groups as reasonably requested by SUBSCRIBER. Secondary SUBSCRIBERS defined as radios assigned to SUBSCRIBER agencies or departments that do not have their own talk groups will not be required to pay a SUBSCRIBER fee but will only have access to interoperability talk groups.
- 1.4 Subject to Appendix A, charge a monthly SUBSCRIBER fee per unit, as listed in the CRIS User Handbook. The SUBSCRIBER will be exempt from all other system fees including any system activation fees. Refer to CRIS Rate Structure Sheet at www.caloes.ca.gov/CRIS.
- 1.5 Cal OES/PSC will install the site infrastructure at SUBSCRIBER provided or

SUBSCRIBER designated facilities at its own cost. SUBSCRIBER will make site improvements at the sites as reasonably requested by Cal OES/PSC at SUBSCRIBER'S cost.

- 1.6 Provide and maintain microwave and or fiber backhaul for all sites.
- 1.7 Provide maintenance, upgrades, repairs and all related maintenance on site equipment purchased by SUBSCRIBER and leased to Cal OES/PSC pursuant to paragraph 2.7 of this Agreement.
- 1.8 Allow SUBSCRIBER to connect Cal OES/PSC approved radio consoles into the core system at no cost. The SUBSCRIBER is responsible for radio vendor- and console vendor-related costs associated with their installation, such as CSSI port licenses.
- 1.9 Allow SUBSCRIBER to utilize the existing LTE to LMR gateway for SUBSCRIBER talk groups at no subscription cost from the state. The SUBSCRIBER is responsible for radio vendor related costs associated with their installation, such as LTE access licenses and LTE related fees.
- 1.10 Install and maintain County provided CRIS equipment at no cost to Nevada County on both the tower and in the shelter at:
 - Oregon Peak
 - Howell Mountain
 - Relay Peak
 - Truckee DOT or Truckee CHP
 - Sierra College
- 1.11 Install and maintain County provided CRIS equipment at the following Placer County communications sites.
 - Thermolands (Placer County Communications Site)
 - Iron Mine (Placer County Communications Site)
 - Gold Run (Placer County Communications Site)
 - Signal Peak (Placer County Communications Site)

2. SUBSCRIBER RESPONSIBILITIES

SUBSCRIBER hereby agrees that it will:

- 2.1. Pay Cal OES/PSC all fees, as set forth in this Agreement, including Appendix A, for the trunked radio system services through the CRIS in the agreed upon timeframe defined in Section 10 of this Agreement.
- 2.2. Keep Cal OES/PSC apprised as to the number of SUBSCRIBER radios utilizing

the CRIS system. This shall be accomplished by utilizing forms TDe-115 and TDe-601 at www.caloes.ca.gov/CRIS to update Cal OES/PSC on the radios authorized by the SUBSCRIBER to operate on the CRIS. Activated radios not removed from the CRIS by the SUBSCRIBER shall continue to be charged to the SUBSCRIBER at the agreed upon service rate.

2.3. Maintain equipment not transferred to Cal OES/PSC operating on the CRIS to applicable FCC Title 47 Part 90 Code of Federal Regulations at: <https://www.fcc.gov/wireless/bureau-divisions/technologies-systems-and-innovation-division/rules-regulations-title-47>).

2.3.1. State of California SUBSCRIBERS shall utilize Cal OES/PSC for installation, maintenance, and repairs of all agency equipment operating on the CRIS pursuant to California Government Code 15277 and State Administrative Manual Section 4530.

2.3.2. Non-State of California SUBSCRIBERS shall be responsible for the installation, maintenance, and repairs of the SUBSCRIBER owned radio equipment including dispatch consoles, base stations, mobile and portable radios. If a Non-State of California SUBSCRIBER does not have the resources for installing, maintaining, or repairing the CRIS equipment, then the SUBSCRIBER may enter into a separate agreement for required services with Cal OES/PSC.

2.4. With the exception of fire protection districts and other first-responders operating within NEVADA County, SUBSCRIBER will not lease, loan, give or provide in any form the SUBSCRIBER owned equipment operating on the CRIS to any third-party agencies for their use on the CRIS.

2.5. Observe and abide by all applicable statutes, laws, ordinances, rules and regulations, including but not limited to those of the FCC, and to operate the equipment in a reasonable manner so as not to cause undue interference with any other agency participants using the CRIS.

2.6. Maintain any County-owned or leased facilities (collectively, "Facilities", individually "Facility") that house CRIS trunking infrastructure leased by SUBSCRIBER to Cal OES/PSC, including:

2.6.1. Provide shared tower space for antennas and or microwave radios at no cost to Cal OES/PSC, pursuant to separate lease or license agreements at the following Facilities sub-leased to CalOES/PSC, or such other site(s) as may be agreed by the parties, pursuant to separate lease/license or sub-lease/license agreement(s) between SUBSCRIBER and CalOES/PSC:

- Sierra College Nevada County Campus site
- Any future sites as mutually agreed upon

2.6.2. Provide electrical power at each Facility at no cost to Cal OES / PSC

2.6.3. Provide and maintain a backup power generator at each Facility

2.6.4. Provide an HVAC system capable of adequately cooling/heating the room with equipment at each Facility

2.7. Lease exclusively, at no cost, equipment/infrastructure as accepted by Cal OES/PSC to improve coverage. Upon lease of equipment/infrastructure under this agreement, SUBSCRIBER affirms that it has the good and complete right, title, and interest in the equipment/infrastructure. SUBSCRIBER shall retain ownership of the equipment throughout the agreement's duration. It has the full authority to lease the equipment/infrastructure and that it is free and clear of all encumbrances and restrictions. Equipment/infrastructure leased upon execution of this Agreement and accepted by CalOES/PSC is listed in Appendix B.

2.8. Keep all radio communication brief and to the point. Radio system traffic shall be limited to official business only. SUBSCRIBER is responsible for the appropriate use of the system in accordance with the Acceptable Use Policy at www.caloes.ca.gov/CRIS.

3. BILLING

3.1. SUBSCRIBER agrees to pay Cal OES/PSC monthly for the trunked radio service through the CRIS. The actual amount of monthly fees will be determined by the number of radios registered on the CRIS system at the beginning of each monthly billing period and offset in accordance with Appendix A.

3.2. Payment of fees for State of California SUBSCRIBERs using CRIS will be electronically transferred from SUBSCRIBER to the Cal OES/PSC using a billing number.

3.3. Non-State of California SUBSCRIBERs will be billed monthly and will remit payment to Cal OES/PSC via check to:

State of California, Governor's Office of Emergency Services
Attn: Accounting Office
3650 Schriever Avenue
Mather, CA 95655-4203

3.4. SUBSCRIBER shall schedule the payment of invoices to the Cal OES/PSC no later than 30 days after receipt of said invoice. If errors are found in the invoice or the SUBSCRIBER disputes the invoice charges or services rendered, the SUBSCRIBER shall immediately notify Cal OES/PSC in writing. Partial payment of an invoice without Cal OES/PSC's approval is prohibited. SUBSCRIBER's failure to make timely payments in compliance with this section may result in action as defined in Section 4, Right to Suspend Service.

3.5. It is the SUBSCRIBER'S responsibility to inform Cal OES/PSC of any changes

in service.

4. RIGHT TO SUSPEND SERVICE

- 4.1. Subject to the below regarding notice and opportunity to cure, Cal OES/PSC reserves the right to suspend SUBSCRIBER'S ability to add/remove equipment, modify existing service or add a new service should SUBSCRIBER fail to make timely payment to Cal OES/PSC for the services rendered. If SUBSCRIBER fails to make any payment or fails to perform as required by any other provision hereunder, SUBSCRIBER will be notified in writing of the violation. SUBSCRIBER must correct the violation within 30 days of notice or such longer period as may be agreed upon by the parties, or Cal OES/PSC may suspend SUBSCRIBER's service.
- 4.2. Notwithstanding the above, and subject to the above provisions regarding notice and opportunity to cure, Cal OES/PSC shall have the right to immediately suspend SUBSCRIBER'S ability to add/remove equipment, modify existing service or add a new service at any time if SUBSCRIBER fails to use the CRIS in accordance with rules and regulations of the FCC or if SUBSCRIBER fails to use the CRIS in accordance with applicable laws and regulations, including the terms of this agreement, CRIS policies or attachments thereto.

5. RADIO PROGRAMMING

- 5.1. All State of California SUBSCRIBER radios shall be programmed for use on the CRIS system by Cal OES/PSC or another authorized programmer, as determined by Cal OES/PSC in its sole discretion.

System keys may be provided to non-state SUBSCRIBERs or independent private service shops providing a programming service to non-state SUBSCRIBERs for radio programming of the CRIS frequencies into non-state-owned equipment. System key requests must be made in writing to Cal OES/PSC. SUBSCRIBER hereby agrees that system keys will be surrendered immediately, if requested by the Cal OES/PSC.

6. COVERAGE

- 6.1. The CRIS is designed to provide mobile radio coverage along the State's major traffic arteries as well as 60% of the State's geographical area and 90% of the State's population. SUBSCRIBER understands and agrees that 100% coverage of any area at all times is unrealistic and improbable. Testing and experience with actual field conditions indicate adverse propagation conditions can occur from both natural and manmade conditions. SUBSCRIBER understands and agrees that such events are beyond the

reasonable control of Cal OES/PSC.

- 6.2. Upon SUBSCRIBER loaning a new site to Cal OES/PSC, including the 5 sites listed in paragraph 2.6.1, Cal OES/PSC will provide coverage mapping of both RSSI and BER demonstrating both mobile and portable radio talk-in coverage. SUBSCRIBER further understands and agrees that Cal OES/PSC is not providing a warranty of coverage for the CRIS.

7. TALK GROUP PRIORITY

SUBSCRIBER understands and agrees that, except to the extent that it is a first responder and in accordance with the following, it may experience limited or no access to the CRIS during an emergency talk group activation. To ensure that first responders have access to the system during normal and emergency situations, talk group access has been prioritized as follows:

7.1. Priority One -Emergency Identification

- 7.1.1. An “Emergency Identification” is defined as the message received when a public safety member calls for immediate assistance by activating an emergency button or switch on the user radio equipment.

7.2. Priority Two - Public Safety

- 7.2.1. “Public Safety” includes the normal, daily radio transmissions of law enforcement, fire service, EMS/Medical providers, and disaster preparedness personnel using the CRIS. Agencies generally considered non-public safety, but support law enforcement and fire response agencies on a regular basis such as California Department of Transportation (DOT), shall be considered as Public Safety in regards to traffic prioritization.
- 7.2.2. “Public Safety” also includes the CRIS users whose typical lower priorities have been temporarily changed to resolve an unusual occurrence or large-scale disaster.

7.3. Priority Three - Non-Public Safety, Special Event

- 7.3.1. “Non-Public Safety, Special Event” includes planned events involving public service agency participants that are beyond the scope of their normal daily operations.

7.4. Priority Four - Non-Public Safety, Regular

- 7.4.1. “Non-Public Safety, Regular” includes the normal daily radio transmissions of public service agencies using the system.

8. USE AND EXPANSION OF TRUNKED RADIO SYSTEM

- 8.1. Cal OES/PSC may, at its sole and exclusive discretion, provide trunked radio system services to other entities through the CRIS. SUBSCRIBER understands and agrees that Cal OES/PSC may have entered into other service agreements to provide trunked radio services to certain public safety and non-public safety

Subscribers and intends to expand the number of users by entering into new agreements in the future. SUBSCRIBER also understands and agrees that Cal OES/PSC will expand the area covered by the CRIS to improve system performance in the future.

- 8.2. Cal OES/PSC agrees that any expansion of the system will not diminish the ability of SUBSCRIBER to use the CRIS.
- 8.3. Cal OES/PSC and SUBSCRIBER may mutually agree to an exchange of value whereby the SUBSCRIBER funds the purchase of infrastructure/equipment in addition to that leased under this Agreement, and leased to Cal OES/PSC which becomes part of the CRIS to expand the coverage footprint in an area determined by the SUBSCRIBER. In exchange, Cal OES/PSC will bear the cost of technical design, installation, and administrative costs necessary to render the equipment operable as part of the CRIS.
- 8.4. Any Real Property and/or radio frequency spectrum assets the SUBSCRIBER makes available for use in CRIS to facilitate the expansion of coverage of CRIS will be transferred from Cal OES/PSC back to the SUBSCRIBER and remain the property of the SUBSCRIBER in the event of a dissolution of this agreement.

9. WARRANTIES

Cal OES/PSC warrants that its management and operation of the CRIS will comply with reasonable and standard industry practices.

10. AGREEMENT TERM - AUTOMATIC RENEWAL

- 10.1. The term of this Agreement shall be for five years including the portion of the year commencing on the Effective Date of this Agreement and shall automatically renew on July 1st every five years thereafter. This Agreement shall automatically extend under the terms and conditions, rates, and charges then in effect for successive five (5) year periods provided that either party may terminate this Agreement at any time by giving to the other party written notice at least one hundred and eighty (180) days prior to the termination date or by giving to the other party written notice at least one hundred and eighty (180) days prior to the end of any extension
- 10.2. From the date of execution of this Agreement, the rates, charges, and fees due and payable by SUBSCRIBER shall be those identified in Appendix A of this Agreement.
- 10.3. The rates, charges, and fees due and payable by SUBSCRIBER for any annual

extension shall be the same as those during the preceding term unless Cal OES/PSC notifies SUBSCRIBER at least thirty (30) calendar days prior to SUBSCRIBER's deadline under paragraph 10.1 to terminate this Agreement of any changes in the rates, charges, or fees. If, after such notification, SUBSCRIBER does not terminate this Agreement and allows it to automatically renew, charges for the next term shall be at the new rates, charges, and fees set out by Cal OES/PSC in its notification prior to the automatic renewal date.

11. INTERRUPTION OF SERVICE

11.1 Except for actions required by this Agreement, Cal OES/PSC shall not be liable to SUBSCRIBER or any other person for any loss of service or damage resulting therefrom, regardless of the cause. Cal OES/PSC does not assume and shall have no liability under this Agreement for failure to provide, or delay in providing, service due directly or indirectly to causes beyond the control of Cal OES/PSC or its subcontractors, including, but not limited to, acts of God, acts of Governmental entities, acts of the public enemy, strikes, or severe weather conditions. In the event of any failure or delay attributable to the fault of Cal OES/PSC or its subcontractors, SUBSCRIBER agrees that its sole remedy shall be limited to a credit for loss of service.

11.2 CalOES/PSC shall indemnify and hold SUBSCRIBER harmless from any claims of third parties for failure to provide, or delay in providing, service due directly or indirectly to the malfunction of leased equipment arising from the use and maintenance of said equipment, including legal costs incurred in the defense of such claim.

12. GENERAL PROVISIONS

12.1. Applicable Law

This Agreement shall be construed in accordance with and governed by the laws of the State of California.

12.2. Amendments

This Agreement may be amended at any time by mutual agreement of the Parties, provided that before any amendment shall take effect, it shall be reduced to writing and signed by both parties.

12.3. Assignment

Neither party shall voluntarily or by operation of law, assign or otherwise transfer this Agreement without the other party's prior written consent. Any purported assignment in violation of this paragraph shall be void.

12.4. Captions

Captions and headings in this Agreement are solely for the convenience of the parties, are not a part of this Agreement and shall not be used to interpret or determine the validity of this Agreement or any of its provisions.

12.5. Counterparts

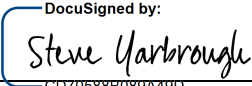
This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all such counterparts together shall constitute one and the same instrument. The exchange of copies of this Agreement by electronic mail in “portable document format” (“.PDF”) form or by other similar electronic means shall constitute effective execution and delivery of this Agreement and shall have the same effect as copies executed and delivered with original signatures.

12.6 Entire Agreement

This Agreement sets forth the entire agreement between the Parties with respect to the subject matter herein and fully supersedes any and all prior agreements or understandings, written or oral, between the parties pertaining to the subject matter hereof.

SIGNATURES

WITNESS WHEREOF, this agreement has been executed by the parties hereto as of date written below:

| | |
|--|---|
| CALIFORNIA GOVERNOR’S OFFICE OF EMERGENCY SERVICES/PUBLIC SAFETY COMMUNICATIONS | SUBSCRIBER: <u>Nevada County</u> |
| APPROVED BY: | APPROVED BY: |
| <div>DocuSigned by:  7/16/2024</div> <div>SIGNATURE _____ DATE _____</div> <div>Steve Yarbrough</div> | <div>SIGNATURE _____ DATE _____</div> |
| Steve Yarbrough Radio Communications Branch Manager Public Safety Communications | |

Appendix A: Subscriber Fees

To provide access to the CRIS on a 24 hours per day, 7 days per week, 365 days per year basis Cal OES/PSC charges a monthly subscriber fee per unit to all subscription users as follows:

SUBSCRIBER and CalOES/PSC have agreed to enter into an exchange of value whereby SUBSCRIBER provides to CalOES/PSC infrastructure/equipment for (9) sites valued at \$3,092,384.00, representing an Account Credit.

1. Once the sites are fully implemented, CRIS will bring into effect a counterbalance period during which subscription fees will be deferred until the total amount of deferred subscription fees becomes equal to the agreed upon investment amount made by Nevada County indicated in the paragraph above, referred to as 'Account Credit' (second paragraph of Appendix A)
2. Regular cost period – Upon exhaustion of the Account Credit, all primary users of the CRIS will be charged subscription fees at the full normal monthly rate listed in the CRIS Rate Structure Sheet at www.caloes.ca.gov/CRIS. Secondary users shall not be charged a subscriber fee.

For the purposes of calculating the estimated duration of the counterbalance period during which subscription fees will be debited from the Account Credit, SUBSCRIBER offers a good faith estimate of 250 primary subscriber radios that will be programmed with access to the CRIS. Each month during the term of this Agreement, the actual number of radios programmed with access to CRIS will be tabulated by CRIS system core to arrive at the actual debit from the Account Credit. This report will be provided to the SUBSCRIBER to account for the counterbalanced subscription costs. When the aggregate lifetime counterbalanced subscription costs equal or exceed the agreed upon Account Credit, the SUBSCRIBER will be notified and subsequently begin making monthly payments for the full amount of CRIS subscription fees as listed in the CRIS Rate Structure Sheet at www.caloes.ca.gov/CRIS

Based on the agreed upon Account Credit and the good-faith estimate of radios, the counterbalanced period is currently estimated to be over fifty (41) years from the commencement of the repayment period. (see Figure 1).

[illegible]

Appendix B: Equipment and Infrastructure Transferred

The following equipment/infrastructure is hereby leased, at no cost, by SUBSCRIBER to CalOES/PSC:

Section 4

Equipment List

This section lists the equipment necessary for the proposed solution.

| BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------|-----|---|-----|--------------|---|
| CORE | 1 | - | 1 | SQM01SUM0323 | ASTRO MASTER SITE |
| CORE | 1 | a | 1 | CA03517AE | ADD: CORE EXPANSION |
| CORE | 1 | b | 1 | UA00153AB | ADD: P25 FDMA TRUNKING OPERATION SITE |
| CORE | 1 | c | 1 | UA00159AB | ADD: P25 PHASE 2 TDMA TRKNG OP SITE LIC |
| CORE | 1 | d | 6 | UA00161AA | ADD: P25 PHASE 2 TDMA SW BASE RADIO LIC |
| CORE | 1 | e | 6 | UA00162AA | ADD: PHASE 2 DYNAMIC CH BASE RADIO LIC |
| CORE | 1 | f | 1 | UA00160AA | ADD: PHASE 2 DYNAMIC TG ASGNMT SITE LIC |
| CORE | 1 | g | 1 | UA00408AA | ADD: ENHANCED DATA-P25 TRNK SITE |
| CORE | 1 | h | 1 | CA01316AA | ADD: UNC ADDTL DEVICE LIC (QTY 10) |
| GTR8000 | 2 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| GTR8000 | 2 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| GTR8000 | 2 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| GTR8000 | 2 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| GTR8000 | 2 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| GTR8000 | 2 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| GTR8000 | 2 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| GTR8000 | 2 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| GTR8000 | 2 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| GTR8000 | 2 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| GTR8000 | 2 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| GTR8000 | 2 | k | 1 | X699 | ADD: FACTORY TEST REPORT |
| GTR8000 | 2 | l | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| GTR8000 | 2 | m | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| GTR8000 | 2 | n | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| GTR8000 | 3 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| GTR8000 | 3 | a | 6 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| GTR8000 | 3 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |

| BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|------------|-----|---|-----|-----------------|--|
| RFDS | 4 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| 48V_POWER | 5 | - | 2 | DSSP4KHAM5B1A | 5A CIRCUIT BREAKERS |
| 48V_POWER | 6 | - | 2 | DSSP4KHAM100B1A | BREAKER, 100 AMP |
| 48V_POWER | 7 | - | 8 | DSNSB170FT | BATTERY, 12V, 170AH HT RED NORTHSTAR |
| 48V_POWER | 8 | - | 1 | DSZ423BTRACK11 | NEG GROUND BATT RACK, 7.5FT, 23IN, 3 TRAYS W/BATT DISC, OPT 311 WIRING |
| NFM_RTU | 9 | - | 1 | F0016A | MC IOT MAIN MODEL |
| NFM_RTU | 9 | a | 1 | VA01370AA | ADD: MC-EDGE |
| NFM_RTU | 9 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| NFM_RTU | 9 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| NFM_RTU | 9 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| NFM_RTU | 9 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| NFM_RTU | 9 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| NFM_RTU | 9 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| NFM_RTU | 9 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| NFM_RTU | 10 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| NFM_RTU | 11 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| NFM_RTU | 12 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| NFM_RTU | 13 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| NETWORK | 14 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| NETWORK | 14 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| NETWORK | 14 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| NETWORK | 15 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| NETWORK | 15 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| NETWORK | 15 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ETHNTSURGE | 16 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ETHNTSURGE | 17 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |

Section 4

Equipment List

This section lists the equipment necessary for the proposed solution.

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|---------|-----|---|-----|------------------|--|
| CORE | CORE | 1 | - | 1 | SQM01SUM0323 | ASTRO MASTER SITE |
| CORE | CORE | 1 | a | 1 | CA03517AE | ADD: CORE EXPANSION |
| CORE | CORE | 1 | b | 8 | UA00153AB | ADD: P25 FDMA TRUNKING OPERATION SITE |
| CORE | CORE | 1 | c | 8 | UA00159AB | ADD: P25 PHASE 2 TDMA TRKNG OP SITE LIC |
| CORE | CORE | 1 | d | 44 | UA00161AA | ADD: P25 PHASE 2 TDMA SW BASE RADIO LIC |
| CORE | CORE | 1 | e | 44 | UA00162AA | ADD: PHASE 2 DYNAMIC CH BASE RADIO LIC |
| CORE | CORE | 1 | f | 8 | UA00160AA | ADD: PHASE 2 DYNAMIC TG ASGNMT SITE LIC |
| CORE | CORE | 1 | g | 8 | UA00408AA | ADD: ENHANCED DATA-P25 TRNK SITE |
| CORE | CORE | 1 | h | 8 | CA01316AA | ADD: UNC ADDTL DEVICE LIC (QTY 10) |
| ASR#001 | GTR8000 | 2 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#001 | GTR8000 | 2 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#001 | GTR8000 | 2 | b | 4 | X531BG | ADD: VHF 100W LINEAR |
| ASR#001 | GTR8000 | 2 | c | 1 | X530BG | ADD: VHF (136-174 MHZ) |
| ASR#001 | GTR8000 | 2 | d | 4 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#001 | GTR8000 | 2 | e | 4 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#001 | GTR8000 | 2 | f | 4 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#001 | GTR8000 | 2 | g | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#001 | GTR8000 | 2 | h | 1 | X304AE | ADD: QTY (4) GTR 8000 BASE RADIOS |
| ASR#001 | GTR8000 | 2 | i | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#001 | GTR8000 | 2 | j | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#001 | GTR8000 | 2 | k | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#001 | GTR8000 | 2 | l | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#001 | GTR8000 | 3 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#001 | GTR8000 | 3 | a | 4 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#001 | GTR8000 | 3 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#001 | RFDS | 4 | - | 1 | DSAPM1317K248 | ADVANCED POWER MONITOR, 132-174 MHZ, 36-60 V DC (INC SINGLE COUPLER) |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|------------|-----|---|-----|-----------------|--|
| ASR#001 | RFDS | 5 | - | 1 | DQSPD2859C1 | VHF 4CH COMBINING AND MULTICOUPLING SYSTEM |
| ASR#001 | 48V_POWER | 6 | - | 2 | DSSP4KHAM5B1A | 5A CIRCUIT BREAKERS |
| ASR#001 | 48V_POWER | 7 | - | 2 | DSSP4KHAM100B1A | BREAKER, 100 AMP |
| ASR#001 | 48V_POWER | 8 | - | 8 | DSNSB170FT | BATTERY, 12V, 170AH HT RED NORTHSTAR |
| ASR#001 | 48V_POWER | 9 | - | 1 | DSZ423BTRACK11 | NEG GROUND BATT RACK, 7.5FT, 23IN, 3 TRAYS W/BATT DISC, OPT 311 WIRING |
| ASR#001 | NFM_RTU | 10 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#001 | NFM_RTU | 10 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#001 | NFM_RTU | 10 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#001 | NFM_RTU | 10 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM SDM3000 |
| ASR#001 | NFM_RTU | 10 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#001 | NFM_RTU | 10 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#001 | NFM_RTU | 10 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#001 | NFM_RTU | 10 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#001 | NFM_RTU | 10 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#001 | NFM_RTU | 11 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#001 | NFM_RTU | 12 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#001 | NFM_RTU | 13 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#001 | NFM_RTU | 14 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#001 | NETWORK | 15 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#001 | NETWORK | 15 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#001 | NETWORK | 15 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#001 | NETWORK | 16 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#001 | NETWORK | 16 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#001 | NETWORK | 16 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#001 | ETHNTSURGE | 17 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#001 | ETHNTSURGE | 18 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#002 | GTR8000 | 19 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|-----------|-----|---|-----|-----------------|--|
| ASR#002 | GTR8000 | 19 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#002 | GTR8000 | 19 | b | 4 | X531BG | ADD: VHF 100W LINEAR |
| ASR#002 | GTR8000 | 19 | c | 1 | X530BG | ADD: VHF (136-174 MHZ) |
| ASR#002 | GTR8000 | 19 | d | 4 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#002 | GTR8000 | 19 | e | 4 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#002 | GTR8000 | 19 | f | 4 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#002 | GTR8000 | 19 | g | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#002 | GTR8000 | 19 | h | 1 | X304AE | ADD: QTY (4) GTR 8000 BASE RADIOS |
| ASR#002 | GTR8000 | 19 | i | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#002 | GTR8000 | 19 | j | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#002 | GTR8000 | 19 | k | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#002 | GTR8000 | 19 | l | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#002 | GTR8000 | 20 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#002 | GTR8000 | 20 | a | 4 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#002 | GTR8000 | 20 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#002 | RFDS | 21 | - | 1 | DSAPM1317K248 | ADVANCED POWER MONITOR, 132-174 MHZ, 36-60 V DC (INC SINGLE COUPLER) |
| ASR#002 | RFDS | 22 | - | 1 | DQSPD2859C1 | VHF 4CH COMBINING AND MULTICOUPLING SYSTEM |
| ASR#002 | 48V_POWER | 23 | - | 2 | DSSP4KHAM5B1A | 5A CIRCUIT BREAKERS |
| ASR#002 | 48V_POWER | 24 | - | 2 | DSSP4KHAM100B1A | BREAKER, 100 AMP |
| ASR#002 | 48V_POWER | 25 | - | 8 | DSNSB170FT | BATTERY, 12V, 170AH HT RED NORTHSTAR |
| ASR#002 | 48V_POWER | 26 | - | 1 | DSZ423BTRACK11 | NEG GROUND BATT RACK, 7.5FT, 23IN, 3 TRAYS W/BATT DISC, OPT 311 WIRING |
| ASR#002 | NFM_RTU | 27 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#002 | NFM_RTU | 27 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#002 | NFM_RTU | 27 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#002 | NFM_RTU | 27 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM SDM3000 |
| ASR#002 | NFM_RTU | 27 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#002 | NFM_RTU | 27 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#002 | NFM_RTU | 27 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|----------------|-----|---|-----|--------------|---|
| ASR#002 | NFM_RTU | 27 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#002 | NFM_RTU | 27 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#002 | NFM_RTU | 28 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#002 | NFM_RTU | 29 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#002 | NFM_RTU | 30 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#002 | NFM_RTU | 31 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#002 | NETWORK | 32 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#002 | NETWORK | 32 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#002 | NETWORK | 32 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#002 | NETWORK | 33 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#002 | NETWORK | 33 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#002 | NETWORK | 33 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#002 | ETHNTSU RGE | 34 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#002 | ETHNTSU RGE | 35 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#003 | GTR8000 | 36 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#003 | GTR8000 | 36 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#003 | GTR8000 | 36 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#003 | GTR8000 | 36 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#003 | GTR8000 | 36 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#003 | GTR8000 | 36 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#003 | GTR8000 | 36 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#003 | GTR8000 | 36 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#003 | GTR8000 | 36 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#003 | GTR8000 | 36 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#003 | GTR8000 | 36 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| ASR#003 | GTR8000 | 36 | k | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#003 | GTR8000 | 36 | l | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#003 | GTR8000 | 36 | m | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#003 | GTR8000 | 36 | n | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#003 | GTR8000 | 37 | - | 1 | T8343 | G SERIES SOFTWARE LICENSING |
| ASR#003 | GTR8000 | 37 | a | 6 | UA00401AA | ADD: G SERIES BR-P25 TRNK ST RPTR |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|----------------|-----|---|-----|------------------|--|
| ASR#003 | GTR8000 | 37 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#003 | RFDS | 38 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| ASR#003 | 48V_POWER | 39 | - | 2 | DSSP4KHAM5B1A | 5A CIRCUIT BREAKERS |
| ASR#003 | 48V_POWER | 40 | - | 2 | DSSP4KHAM100B1A | BREAKER, 100 AMP |
| ASR#003 | 48V_POWER | 41 | - | 8 | DSNSB170FT | BATTERY, 12V, 170AH HT RED NORTHSTAR |
| ASR#003 | 48V_POWER | 42 | - | 1 | DSZ423BTRACK11 | NEG GROUND BATT RACK, 7.5FT, 23IN, 3 TRAYS W/BATT DISC, OPT 311 WIRING |
| ASR#003 | NFM_RTU | 43 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#003 | NFM_RTU | 43 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#003 | NFM_RTU | 43 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#003 | NFM_RTU | 43 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#003 | NFM_RTU | 43 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#003 | NFM_RTU | 43 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#003 | NFM_RTU | 43 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#003 | NFM_RTU | 43 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#003 | NFM_RTU | 43 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#003 | NFM_RTU | 44 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#003 | NFM_RTU | 45 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#003 | NFM_RTU | 46 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#003 | NFM_RTU | 47 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#003 | NETWORK | 48 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#003 | NETWORK | 48 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#003 | NETWORK | 48 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#003 | NETWORK | 49 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#003 | NETWORK | 49 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#003 | NETWORK | 49 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#003 | ETHNTSU RGE | 50 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#003 | ETHNTSU RGE | 51 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|-----------|-----|---|-----|-----------------|--|
| ASR#004 | GTR8000 | 52 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#004 | GTR8000 | 52 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#004 | GTR8000 | 52 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#004 | GTR8000 | 52 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#004 | GTR8000 | 52 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#004 | GTR8000 | 52 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#004 | GTR8000 | 52 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#004 | GTR8000 | 52 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#004 | GTR8000 | 52 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#004 | GTR8000 | 52 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#004 | GTR8000 | 52 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| ASR#004 | GTR8000 | 52 | k | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#004 | GTR8000 | 52 | l | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#004 | GTR8000 | 52 | m | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#004 | GTR8000 | 52 | n | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#004 | GTR8000 | 53 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#004 | GTR8000 | 53 | a | 6 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#004 | GTR8000 | 53 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#004 | RFDS | 54 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| ASR#004 | 48V_POWER | 55 | - | 2 | DSSP4KHAM5B1A | 5A CIRCUIT BREAKERS |
| ASR#004 | 48V_POWER | 56 | - | 2 | DSSP4KHAM100B1A | BREAKER, 100 AMP |
| ASR#004 | 48V_POWER | 57 | - | 8 | DSNSB170FT | BATTERY, 12V, 170AH HT RED NORTHSTAR |
| ASR#004 | 48V_POWER | 58 | - | 1 | DSZ423BTRACK11 | NEG GROUND BATT RACK, 7.5FT, 23IN, 3 TRAYS W/BATT DISC, OPT 311 WIRING |
| ASR#004 | NFM_RTU | 59 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#004 | NFM_RTU | 59 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#004 | NFM_RTU | 59 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#004 | NFM_RTU | 59 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#004 | NFM_RTU | 59 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#004 | NFM_RTU | 59 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|----------------|-----|---|-----|------------------|---|
| ASR#004 | NFM_RTU | 59 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#004 | NFM_RTU | 59 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#004 | NFM_RTU | 59 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#004 | NFM_RTU | 60 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#004 | NFM_RTU | 61 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#004 | NFM_RTU | 62 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#004 | NFM_RTU | 63 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#004 | NETWORK | 64 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#004 | NETWORK | 64 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#004 | NETWORK | 64 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#004 | NETWORK | 65 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#004 | NETWORK | 65 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#004 | NETWORK | 65 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#004 | ETHNTSU RGE | 66 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#004 | ETHNTSU RGE | 67 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#005 | GTR8000 | 68 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#005 | GTR8000 | 68 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#005 | GTR8000 | 68 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#005 | GTR8000 | 68 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#005 | GTR8000 | 68 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#005 | GTR8000 | 68 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#005 | GTR8000 | 68 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#005 | GTR8000 | 68 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#005 | GTR8000 | 68 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#005 | GTR8000 | 68 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#005 | GTR8000 | 68 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| ASR#005 | GTR8000 | 68 | k | 6 | CA01953AA | ADD: POWER EFFICIENCY PACKAGE |
| ASR#005 | GTR8000 | 68 | l | 1 | CA03111AA | ADD: CEC COMPLIANCE |
| ASR#005 | GTR8000 | 68 | m | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#005 | GTR8000 | 68 | n | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#005 | GTR8000 | 68 | o | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|----------------|-----|---|-----|---------------|---|
| ASR#005 | GTR8000 | 68 | p | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#005 | GTR8000 | 69 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#005 | GTR8000 | 69 | a | 6 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#005 | GTR8000 | 69 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#005 | RFDS | 70 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| ASR#005 | NFM_RTU | 71 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#005 | NFM_RTU | 71 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#005 | NFM_RTU | 71 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#005 | NFM_RTU | 71 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#005 | NFM_RTU | 71 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#005 | NFM_RTU | 71 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#005 | NFM_RTU | 71 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#005 | NFM_RTU | 71 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#005 | NFM_RTU | 71 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#005 | NFM_RTU | 72 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#005 | NFM_RTU | 73 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#005 | NFM_RTU | 74 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#005 | NFM_RTU | 75 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#005 | NETWORK | 76 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#005 | NETWORK | 76 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#005 | NETWORK | 76 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#005 | NETWORK | 77 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#005 | NETWORK | 77 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#005 | NETWORK | 77 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#005 | ETHNTSU RGE | 78 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#005 | ETHNTSU RGE | 79 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#006 | GTR8000 | 80 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#006 | GTR8000 | 80 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#006 | GTR8000 | 80 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|---------|-----|---|-----|---------------|--|
| ASR#006 | GTR8000 | 80 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#006 | GTR8000 | 80 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#006 | GTR8000 | 80 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#006 | GTR8000 | 80 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#006 | GTR8000 | 80 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#006 | GTR8000 | 80 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#006 | GTR8000 | 80 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#006 | GTR8000 | 80 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| ASR#006 | GTR8000 | 80 | k | 6 | CA01953AA | ADD: POWER EFFICIENCY PACKAGE |
| ASR#006 | GTR8000 | 80 | l | 1 | CA03111AA | ADD: CEC COMPLIANCE |
| ASR#006 | GTR8000 | 80 | m | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#006 | GTR8000 | 80 | n | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#006 | GTR8000 | 80 | o | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#006 | GTR8000 | 80 | p | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#006 | GTR8000 | 81 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#006 | GTR8000 | 81 | a | 6 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#006 | GTR8000 | 81 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#006 | RFDS | 82 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| ASR#006 | NFM_RTU | 83 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#006 | NFM_RTU | 83 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#006 | NFM_RTU | 83 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#006 | NFM_RTU | 83 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#006 | NFM_RTU | 83 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#006 | NFM_RTU | 83 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#006 | NFM_RTU | 83 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#006 | NFM_RTU | 83 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#006 | NFM_RTU | 83 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#006 | NFM_RTU | 84 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#006 | NFM_RTU | 85 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#006 | NFM_RTU | 86 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#006 | NFM_RTU | 87 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|----------------|-----|---|-----|------------------|--|
| ASR#006 | NETWORK | 88 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#006 | NETWORK | 88 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#006 | NETWORK | 88 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#006 | NETWORK | 89 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#006 | NETWORK | 89 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#006 | NETWORK | 89 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#006 | ETHNTSU RGE | 90 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#006 | ETHNTSU RGE | 91 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#007 | GTR8000 | 92 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#007 | GTR8000 | 92 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#007 | GTR8000 | 92 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#007 | GTR8000 | 92 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#007 | GTR8000 | 92 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#007 | GTR8000 | 92 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#007 | GTR8000 | 92 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#007 | GTR8000 | 92 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#007 | GTR8000 | 92 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#007 | GTR8000 | 92 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#007 | GTR8000 | 92 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |
| ASR#007 | GTR8000 | 92 | k | 6 | CA01953AA | ADD: POWER EFFICIENCY PACKAGE |
| ASR#007 | GTR8000 | 92 | l | 1 | CA03111AA | ADD: CEC COMPLIANCE |
| ASR#007 | GTR8000 | 92 | m | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#007 | GTR8000 | 92 | n | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#007 | GTR8000 | 92 | o | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#007 | GTR8000 | 92 | p | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#007 | GTR8000 | 93 | - | 1 | T8343 | G SERIES SOFTWARE LICENSING |
| ASR#007 | GTR8000 | 93 | a | 6 | UA00401AA | ADD: G SERIES BR-P25 TRNK ST RPTR |
| ASR#007 | GTR8000 | 93 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#007 | RFDS | 94 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36- 60 VDC |
| ASR#007 | NFM_RTU | 95 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#007 | NFM_RTU | 95 | a | 1 | VA01370AA | ADD: MC-EDGE |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|----------------|-----|---|-----|------------------|---|
| ASR#007 | NFM_RTU | 95 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#007 | NFM_RTU | 95 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#007 | NFM_RTU | 95 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#007 | NFM_RTU | 95 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#007 | NFM_RTU | 95 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#007 | NFM_RTU | 95 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#007 | NFM_RTU | 95 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#007 | NFM_RTU | 96 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#007 | NFM_RTU | 97 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#007 | NFM_RTU | 98 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#007 | NFM_RTU | 99 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#007 | NETWORK | 100 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#007 | NETWORK | 100 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#007 | NETWORK | 100 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#007 | NETWORK | 101 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#007 | NETWORK | 101 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#007 | NETWORK | 101 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#007 | ETHNTSU RGE | 102 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#007 | ETHNTSU RGE | 103 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |
| ASR#008 | GTR8000 | 104 | - | 1 | SQM01SUM7054 | GTR 8000 EXPANDABLE SITE SUBSYSTEM |
| ASR#008 | GTR8000 | 104 | a | 1 | CA03863AA | ADD: ASTRO SYSTEM RELEASE 2022.1 |
| ASR#008 | GTR8000 | 104 | b | 6 | X591AE | ENH: ASTRO 25 SITE REPEATER SW |
| ASR#008 | GTR8000 | 104 | c | 6 | CA01842AA | ADD: P25 TDMA SOFTWARE |
| ASR#008 | GTR8000 | 104 | d | 6 | CA01902AA | ADD: P25 DYNAMIC CHANNEL SOFTWARE |
| ASR#008 | GTR8000 | 104 | e | 1 | CA02686AA | ADD: AC DC POWER DISTRIBUTION |
| ASR#008 | GTR8000 | 104 | f | 1 | CA00855AA | ADD: 700/800 MHZ |
| ASR#008 | GTR8000 | 104 | g | 1 | X306AC | ADD: QTY (6) GTR 8000 BASE RADIOS |
| ASR#008 | GTR8000 | 104 | h | 1 | CA00879AA | ADD: PRIMARY 6 PORT CAVITY COMBINER |
| ASR#008 | GTR8000 | 104 | i | 1 | CA00861AA | ADD: CABINET RMC W/ CAPABILITY OF 6 BRS |
| ASR#008 | GTR8000 | 104 | j | 1 | CA00882AA | ADD: 700 MHZ TX FILTER W/PMU |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATURE | DESCRIPTION |
|---------------|---------|-----|---|-----|---------------|--|
| ASR#008 | GTR8000 | 104 | k | 6 | CA01953AA | ADD: POWER EFFICIENCY PACKAGE |
| ASR#008 | GTR8000 | 104 | l | 1 | CA03111AA | ADD: CEC COMPLIANCE |
| ASR#008 | GTR8000 | 104 | m | 1 | X699 | ADD: FACTORY TEST REPORT |
| ASR#008 | GTR8000 | 104 | n | 2 | CA03736AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#008 | GTR8000 | 104 | o | 2 | CA03745AA | ADD: DSC 8000 REPEATER SITE CONTROLLER SW |
| ASR#008 | GTR8000 | 104 | p | 1 | X882AH | ADD: 7.5 FT OPEN RACK, 48RU |
| ASR#008 | GTR8000 | 105 | - | 1 | T8343 | GSERIES SOFTWARE LICENSING |
| ASR#008 | GTR8000 | 105 | a | 6 | UA00401AA | ADD: GSERIES BR-P25 TRNK ST RPTR |
| ASR#008 | GTR8000 | 105 | b | 2 | UA00759AA | ADD: DSC 8000 REPEATER SITE CONTROLLER |
| ASR#008 | RFDS | 106 | - | 1 | DSAPM7487K248 | ADVANCED POWER MONITOR, 746-870 MHZ, 36-60 VDC |
| ASR#008 | NFM_RTU | 107 | - | 1 | F0016A | MC IOT MAIN MODEL |
| ASR#008 | NFM_RTU | 107 | a | 1 | VA01370AA | ADD: MC-EDGE |
| ASR#008 | NFM_RTU | 107 | b | 1 | VA00973AA | ADD: IOT MC-EDGE ENHANCED COMM PLUG-IN BOARD |
| ASR#008 | NFM_RTU | 107 | c | 1 | VA01946AA | ADD: MC EDGE AS NFM |
| ASR#008 | NFM_RTU | 107 | d | 3 | VA00989AA | ADD: 8DO EE 16DI 5-18 V /DRY |
| ASR#008 | NFM_RTU | 107 | e | 1 | VA00147 | ADD: FRONT CABLE COVERS |
| ASR#008 | NFM_RTU | 107 | f | 1 | VA00991AA | ADD: DC/DC - [48 >>24] PS W/O HOUSING |
| ASR#008 | NFM_RTU | 107 | g | 1 | VA00155 | ADD:DC POWER CABLE |
| ASR#008 | NFM_RTU | 107 | h | 1 | VA00148 | ADD: WALL MOUNT INSTALLATION KIT |
| ASR#008 | NFM_RTU | 108 | - | 1 | DSIABDIN4 | PANDUIT IABDIN4 4 RACK UNIT DIN RAIL FOR EIA 19" MOUNT |
| ASR#008 | NFM_RTU | 109 | - | 1 | FHN0057 | DIN RAIL STOPPER |
| ASR#008 | NFM_RTU | 110 | - | 3 | FHN1668 | TERM BLOCK & CONN WIRED M25T68 |
| ASR#008 | NFM_RTU | 111 | - | 12 | FKN0044A | MC_EDGE AUX IO MIGRATION CABLE |
| ASR#008 | NETWORK | 112 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#008 | NETWORK | 112 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#008 | NETWORK | 112 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |
| ASR#008 | NETWORK | 113 | - | 1 | T8547 | SITE ROUTER & FIREWALL- DC |
| ASR#008 | NETWORK | 113 | a | 1 | CA03445AA | ADD: MISSION CRITICAL HARDENING |
| ASR#008 | NETWORK | 113 | b | 1 | CA03448AA | ADD: STATEFUL FIREWALL |

| SUB SYS ID | BLOCK | LIM | O | QTY | NOMENCLATU RE | DESCRIPTION |
|---------------|----------------|-----|---|-----|------------------|--|
| ASR#008 | ETHNTSU RGE | 114 | - | 1 | DSTSJADP | RACK MOUNT GROUND BAR, 19 IN FOR TSJ AND WPH SERIES DATA SPDS |
| ASR#008 | ETHNTSU RGE | 115 | - | 2 | DS11011001 | SPD, SHIELDED RJ-45 JACK, SINGLE LINE 10/100BT PROTECTOR |