

PUR-3
6-16-15

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DOCUMENT ROUTING FORM

NAME OF DOCUMENT: Motion Authorizing Equipment Lease Purchase Upgrade for Public Safety Radio Communications Systems – Motorola Solutions, Inc. - \$4,187,540.90 (five-year cost)

Routing Origin: CAO Also attached: copy of CAM Original Documents

City Attorney's Office: Approved as to Form 6 Originals and Delivered to City Manager on 6/26/15.

Paul G. Bangel, Assistant City Attorney: _____

CITY CLERK
2015 JUN 30 AM 8:01

CIP FUNDED YES NO
Capital Investment / Community Improvement Projects

Capital Investment / Community Improvement Projects defined as projects that add value and a cost improvement that add value repairs such as "Property" inc

Wendy
Aug. (2 years)
to Carla 6/30
SC

2) **City Manager:** Please sign as indicated and forward 6 originals.

3) **Mayor:** Please sign as indicated and forward 6 original seal.

INSTRUCTIONS TO CLERK'S OFFICE

4) **City Clerk:** Retains one original of each agreement (Equipment Lease Purchase Agreement & Motorola Sales Agreement) and forwards 4 originals to Carla Foster, CAO

THE CONTRACTS NEED TO BE TO MOTOROLA BY JUNE 30, 2015

Original Route form to Carla Foster, CAO

Received
6/26/15



MOTOROLA SOLUTIONS

June 12, 2015

Mr. Mike Maier
City of Fort Lauderdale
100 N. Andrews Ave
Fort Lauderdale FL 33301

Dear Mr. Maier:

Enclosed for your review please find the **Municipal Lease** documentation in connection with the radio equipment to be leased from Motorola. The interest rate and payment streams outlined in Equipment Lease-Purchase Agreement #23702 are valid for contracts that are executed and returned to Motorola on or before **June 30, 2015**. After **6/30/15**, the Lessor reserves the option to re-quote and re-price the transaction based on current market interest rates.

Please have the documents executed where indicated and forward the documents to the following address:

Motorola Credit Corporation
Attn: Bill Stancik / 9th Floor
1303 E. Algonquin Rd
Schaumburg, IL 60196

Should you have any questions, please contact me at 847-538-4531.

Thank You,

A handwritten signature in black ink, appearing to read 'Bill Stancik'.

MOTOROLA CREDIT CORPORATION
Bill Stancik

EQUIPMENT LEASE-PURCHASE AGREEMENT

Lease Number: 23702

LESSEE:

CITY OF FORT LAUDERDALE
100 N. Andrews Ave
Fort Lauderdale FL 33301

LESSOR:

Motorola Solutions, Inc.
1303 E. Algonquin Rd.
Schaumburg, IL 60196

Lessor agrees to lease to Lessee and Lessee agrees to lease from Lessor, the Equipment described in any Schedule A now or hereafter attached hereto ("*Equipment*") in accordance with the following terms and conditions of this Equipment Lease-Purchase Agreement ("*Lease*").

1. *Term.* This Lease will become effective upon the execution hereof by Lessor. The Term of this Lease will commence on the Commencement Date specified in Schedule A and unless terminated according to terms hereof or the purchase option, provided in Section 18, is exercised this Lease will continue until the Expiration Date set forth in Schedule B attached hereto ("*Lease Term*").

2. *Rent.* Lessee agrees to pay to Lessor or its assignee the Lease Payments (herein so called), including the interest portion, in the amounts specified in Schedule B. The Lease Payments will be payable without notice or demand at the office of the Lessor (or such other place as Lessor or its assignee may from time to time designate in writing), and will commence on the first Lease Payment Date as set forth in Schedule B and thereafter on each of the Lease Payment Dates set forth in Schedule B. Any payments received later than forty-five (45) days from the due date will bear interest in accordance with the Florida Local Government Prompt Payment Act. Except as specifically provided in Section 5 hereof, the Lease Payments will be absolute and unconditional in all events and will not be subject to any set-off, defense, counterclaim, or recoupment for any reason whatsoever. Lessee reasonably believes that funds can be obtained sufficient to make all Lease Payments during the Lease Term. Lessee's staff will request funding each year as a part of Lessee's budget process. It is Lessee's intent to make Lease Payments for the full Lease Term if funds are legally available therefor and in that regard Lessee represents that the Equipment will be used for one or more authorized governmental or proprietary functions essential to its proper, efficient and economic operation.

Lessee's obligation to make Lease Payments and to pay any other amounts payable under this Lease constitutes a current obligation payable only to the extent permitted by law and exclusively from legally available funds and shall not be construed to be an indebtedness within the meaning of any applicable constitutional or statutory limitation or requirement. Lessee has not pledged and will not pledge its full faith and credit or its taxing power to pay any Lease Payments or any other amounts under this Lease. Neither Lessor nor any Assignee (described below) may compel the levy of any ad valorem taxes by Lessee to pay Lease Payments or any other amounts under this Lease.

3. *Delivery and Acceptance.* Lessor will cause the Equipment to be delivered to Lessee at the location specified in Schedule A ("*Equipment Location*") as contemplated under the Contract. Lessee's project manager will accept the Equipment on the behalf of the Lessee, as soon as it has been delivered and is operational. Lessee's project manager will evidence acceptance of the Equipment by executing and delivering to Lessor a Delivery and Acceptance Certificate in the form provided by Lessor, subject to Lessee's approval.

4. *Representations and Warranties.* Lessor acknowledges that the Equipment leased hereunder is being manufactured and installed by Lessor pursuant to Sales Agreement (the "*Contract*") covering the Equipment. Lessee acknowledges that on or prior to the date of acceptance of the Equipment, Lessor intends to sell and assign Lessor's right, title and interest in and to this Agreement and the Equipment to an assignee ("*Assignee*"). LESSEE FURTHER ACKNOWLEDGES THAT EXCEPT AS EXPRESSLY SET FORTH IN THE CONTRACT, LESSOR MAKES NO EXPRESS OR IMPLIED WARRANTIES OF ANY NATURE OR KIND WHATSOEVER, AND AS BETWEEN LESSEE AND THE ASSIGNEE, THE PROPERTY SHALL BE ACCEPTED BY LESSEE "AS IS" AND "WITH ALL FAULTS." LESSEE AGREES TO SETTLE ALL CLAIMS DIRECTLY WITH LESSOR AND WILL NOT ASSERT OR SEEK TO ENFORCE ANY SUCH CLAIMS AGAINST THE ASSIGNEE. NEITHER LESSOR NOR THE ASSIGNEE SHALL BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER AS A RESULT OF THE LEASE OF THE EQUIPMENT, INCLUDING WITHOUT LIMITATION, LOSS OF PROFITS, PROPERTY DAMAGE OR LOST PRODUCTION SUFFERED BY LESSEE.

Lessor is not responsible for, and shall not be liable to Lessee for damages relating to loss of value of the Equipment for any cause or situation (including, without limitation, governmental actions or regulations or actions of other third parties).

5. *Non-Appropriation of Funds.* Notwithstanding anything contained in this Lease to the contrary, in the event the funds appropriated by Lessee's governing body or otherwise available by any means whatsoever in any fiscal period of Lessee for Lease Payments or other amounts due under this Lease are insufficient therefor, this Lease shall terminate on the last day of the fiscal period for which appropriations were received without penalty or expense to Lessee of any kind whatsoever, except as to the portions of Lease Payments or other amounts herein agreed upon for which funds shall have been appropriated and budgeted or are otherwise available. The Lessee will immediately notify the Lessor or its Assignee of such occurrence. In the event of such termination, Lessor may request by written notice that Lessee promptly deliver the Equipment to Lessor or its Assignee. In the event that Lessee agrees to deliver the Equipment to Lessor, Lessee hereby agrees to transfer title to and deliver possession of the Equipment in accordance with Section 17.1 of this Lease. In the event that Lessee does not return the Equipment to Lessor, Lessor may proceed by appropriate court action or actions, either at law or in equity, to recover damages.

6. *Lessee Certification.* Lessee represents, covenants and warrants that: (i) Lessee is a state or a duly constituted political subdivision or agency of the state of the Equipment Location; (ii) the interest portion of the Lease Payments shall be excludable from Lessor's gross income pursuant to Section 103 of the Internal Revenue Code of 1986, as it may be amended from time to time (the "*Code*"); (iii) the execution, delivery and performance by the Lessee of this Lease

have been duly authorized by all necessary action on the part of the Lessee; (iv) this Lease constitutes a legal, valid and binding obligation of the Lessee enforceable in accordance with its terms; (v) Lessee will comply with the information reporting requirements of Section 149(e) of the Code, and such compliance shall include but not be limited to the execution of information statements requested by Lessor; (vi) Lessee will not do or cause to be done any act which will cause, or by omission of any act allow, the Lease to be an arbitrage bond within the meaning of Section 148(a) of the Code; (vii) Lessee will not do or cause to be done any act which will cause, or by omission of any act allow, this Lease to be a private activity bond within the meaning of Section 141(a) of the Code; (viii) Lessee will not do or cause to be done any act which will cause, or by omission of any act allow, the interest portion of the Lease Payments to be or become includible in gross income for Federal income taxation purposes under the Code; and (ix) Lessee will be the only entity to own the Equipment. The Lessee or entities outlined in Section 15. (ii) will be the only entities to use and operate the Equipment during the Lease Term.

Lessee represents, covenants and warrants that (i) it will do or cause to be done all things necessary to preserve and keep the Lease in full force and effect and (ii) it has complied with public bidding requirements, if any, where necessary and by due notification presented this Lease for approval and adoption as a valid obligation on its part.

If Lessee breaches the covenant contained in this Section, the interest component of Lease Payments may become includible in gross income of the owner or owners thereof for federal income tax purposes. In such event, notwithstanding anything to the contrary contained in Section 11 of this Agreement, Lessee agrees to pay promptly after any such determination of taxability and on each Lease Payment date thereafter to Lessor an additional amount determined by Lessor to compensate such owner or owners for the loss of such excludibility (including, without limitation, compensation relating to interest expense, penalties or additions to tax), which determination shall be conclusive (absent manifest error). Notwithstanding anything herein to the contrary, any additional amount payable by Lessee pursuant to this Section 6 shall be subject to the limitations set forth in Sections 2 and 5 hereof.

It is Lessor's and Lessee's intention that this Agreement not constitute a "true" lease for federal income tax purposes and, therefore, it is Lessor's and Lessee's intention that Lessee be considered the owner of the Equipment for federal income tax purposes.

7. *Title to Equipment.* Upon delivery of the Equipment to Lessee title to the Equipment will vest in Lessee and Lessor will have no security interest therein. Notwithstanding the obligations of Lessee to pay the Lease Payments, this Lease shall not result in the creation of any lien, charge, security interest or other encumbrance upon the Equipment and Lessor shall have no right to involuntarily dispossess Lessee of the use and enjoyment of or title to the Equipment.

8. *Use; Repairs.* Lessee will use the Equipment in a careful manner for the use contemplated by the manufacturer of the Equipment and shall comply with all laws, ordinances, insurance policies and regulations relating to, and will pay all costs, claims, damages, fees and charges arising out of the possession, use or maintenance of the Equipment. Lessee, at its

expense will keep the Equipment in good repair and furnish all parts, mechanisms and devices required therefor.

9. *Alterations.* Lessee will not make any alterations, additions or improvements to the Equipment without Lessor's prior written consent unless such alterations, additions or improvements may be readily removed without damage to the Equipment.

10. *Location; Inspection.* The Equipment will not be removed from, [or if the Equipment consists of rolling stock, its permanent base will not be changed from] the Equipment Location without Lessor's prior written consent which will not be unreasonably withheld. Lessor will be entitled to enter upon the Equipment Location during reasonable business hours to inspect the Equipment or observe its use and operation.

11. *Liens and Taxes.* Lessee shall keep the Equipment free and clear of all levies, liens and encumbrances. Lessee shall pay, when due, all charges and taxes (local, state and federal) which may now or hereafter be imposed upon the ownership, leasing, rental, sale, purchase, possession or use of the Equipment, excluding however, all taxes on or measured by Lessor's income and excluding any and all taxes from which Lessee is immune or exempt. If Lessee fails to pay said charges and taxes when due, Lessor shall have the right, but shall not be obligated, to pay said charges and taxes. If Lessor pays any such charges or taxes, Lessee shall reimburse Lessor therefor within forty-five days of Lessee's receipt of written demand.

12. *Risk of Loss: Damage; Destruction.* Lessee assumes all risk of loss or damage to the Equipment from any cause whatsoever, and no such loss of or damage to the Equipment nor defect therein nor unfitness or obsolescence thereof shall relieve Lessee of the obligation to make Lease Payments or to perform any other obligation under this Lease. In the event of damage to any item of Equipment, Lessee will immediately place the same in good repair with the proceeds of any insurance recovery applied to the cost of such repair. If Lessor determines that any item of Equipment is lost, stolen, destroyed or damaged beyond repair, Lessee at its option will: either (a) replace the same with like equipment in good repair; or (b) on the next Lease Payment date, pay Lessor the sum of: (i) all amounts then owed by Lessee to Lessor under this Lease, including the Lease Payment due on such date; and (ii) an amount equal to all remaining Lease Payments to be paid during the Lease Term as set forth in Schedule B.

However, in the event that Lessee is obligated to make such payment with respect to less than all of the Equipment, Lessor will provide Lessee with the pro rata amount of the Lease Payment and the Balance Payment (as set forth in Schedule B) to be made by Lessee with respect to that part of the Equipment which has suffered the Event of Loss.

13. *Insurance.* Lessee may self-insure against property and liability risks. Lessee will furnish Lessor with a letter or certificate to such effect. In the event of any loss, damage, injury or accident involving the Equipment, Lessee will promptly provide Lessor with written notice thereof and make available to Lessor all information and documentation relating thereto.

14. *Indemnification.* Intentionally omitted.

15. *Assignment.* Without Lessor's prior written consent, Lessee will not either (i) assign, transfer, pledge, hypothecate, grant any security interest in or otherwise dispose of this Lease or the Equipment or any interest in this Lease or the Equipment or; (ii) sublet or lend the Equipment or permit it to be used by anyone other than Lessee or Lessee's employees or other state and local governmental entities in their official capacity as public safety providers. In the event that any item of Equipment is used by non-state and local government entities, such use of Equipment shall not exceed one percent (1%) of the total value of the Equipment. Lessor may assign its rights, title and interest in and to this Lease, the Equipment and any documents executed with respect to this Lease in whole or in part. Any such assignees shall have all of the rights of Lessor under this Lease. Subject to the foregoing, this Lease inures to the benefit of and is binding upon the successors and assigns of the parties hereto.

Lessee covenants and agrees not to assert against the Assignee any claims or defenses by way of abatement, setoff, counterclaim, recoupment or the like which Lessee may have against Lessor. No assignment or reassignment of any Lessor's right, title or interest in this Lease or the Equipment shall be effective unless and until Lessee shall have received a notice of assignment, disclosing the name and address of each such assignee; *provided, however*, that if such assignment is made to a bank or trust company as paying or escrow agent for holders of certificates of participation in the Lease, it shall thereafter be sufficient that a copy of the agency agreement shall have been deposited with Lessee until Lessee shall have been advised that such agency agreement is no longer in effect. During the Lease Term Lessee shall keep a complete and accurate record of all such assignments in form necessary to comply with Section 149(a) of the Code, and the regulations, proposed or existing, from time to time promulgated thereunder. No further action will be required by Lessor or by Lessee to evidence the assignment, but Lessee will acknowledge such assignments in writing if so requested.

Any Assignee of Lessor may reassign this Lease and the Lease Payments to any other person who, thereupon, shall be deemed to be Lessor's Assignee hereunder.

16. *Event of Default.* The term "Event of Default", as used herein, means the occurrence of any one or more of the following events: (i) Lessee fails to make any Lease Payment (or any other payment) as it becomes due in accordance with the terms of the Lease, and any such failure continues for twenty (20) days after the due date thereof; (ii) Lessee fails to perform or observe any other material covenant, condition, or agreement to be performed or observed by it hereunder and such failure is not cured within twenty (20) days after receipt of written notice thereof by Lessor; (iii) the discovery by Lessor that any statement, representation, or warranty made by Lessee in this Lease or in writing ever delivered by Lessee pursuant hereto or in connection herewith is false, misleading or erroneous in any material respect; (iv) proceedings under any bankruptcy, insolvency, reorganization or similar legislation shall be instituted against or by Lessee, or a receiver or similar officer shall be appointed for Lessee or any of its property, and such proceedings or appointments shall not be vacated, or fully stayed, within twenty (20) days after the institution or occurrence thereof; or (v) an attachment, levy or execution is threatened or levied upon or against the Equipment.

17. *Remedies.* Upon the occurrence of an Event of Default, and as long as such Event of Default is continuing, Lessor may, at its option, exercise any one or more of the following

remedies: (i) by written notice to Lessee, declare all amounts then due under the Lease, and all remaining Lease Payments due during the Fiscal Year in effect when the default occurs to be immediately due and payable, whereupon the same shall become immediately due and payable; (ii) request by written notice that Lessee promptly deliver the Equipment to Lessor or its Assignee; and (iii) exercise any other right, remedy or privilege which may be available to it under applicable laws of the state of the Equipment Location or any other applicable law or proceed by appropriate court action to enforce the terms of the Lease or to recover damages for the breach of this Lease or to rescind this Lease as to any or all of the Equipment. If Lessor terminates this Lease and receives possession of the Equipment, Lessor may sell or lease the Equipment or sublease it for the account of Lessee. If the proceeds of such sale, lease or sublease are not sufficient to pay the balance of any Lease Payments or other amounts owed by Lessee under the Lease, Lessor may pursue such other remedies as are available at law or in equity to collect the balance of such Lease Payments or other amounts from Lessee's legally available funds. In addition, Lessee will remain liable for all covenants and indemnities under this Lease and the prevailing party in litigation may recover from the non-prevailing party all legal fees and other costs and expenses, including court costs, incurred by the prevailing party with respect to the enforcement of any of the remedies listed above or any other remedy available to Lessor.

17.1. *Return of the Equipment.* In the event that Lessee determines to return the Equipment to Lessor or its Assignee pursuant to Section 5 or 17 hereof, Lessee agrees to transfer title to and deliver possession of the Equipment in the condition hereafter required by preparing and appropriately protecting the Equipment for shipment and, at Lessor's option, (i) surrendering the Equipment to Lessor at the Equipment Location specified in Schedule A hereto, or (ii) loading the Equipment on board such carrier as Lessor shall specify and shipping the same, freight collect, to Lessor at the place designated by Lessor. In the event of any such delivery of the Equipment to Lessor, Lessee shall execute and deliver such documents as may reasonably be required to transfer title to and possession of the Equipment to Lessor, free and clear of all liens.

Upon such delivery of the Equipment to Lessor, if the Equipment is damaged or otherwise made less suitable for the purposes for which it was manufactured than when delivered to Lessee (reasonable wear and tear excepted), Lessee agrees, at its option, to: (a) repair or restore such Equipment to the same condition in which it was received by Lessee (reasonable wear and tear excepted) and, at its expense, promptly return such Equipment to Lessor (or to a location identified in a written notice to Lessee) or (b) pay to Lessor the actual cost of such repair, restoration and return.

There is no intent to create under any provision of this Lease a right in Lessor to involuntarily dispossess Lessee of the legal title to or the use of the Equipment. Lessor hereby irrevocably waives any right to specific performance of any covenant of Lessee to transfer legal title to and return possession of the Equipment.

18. *Termination.* Provided that no Event of Default has occurred and is continuing, or no event, which with notice or lapse of time, or both could become an Event of Default, then exists, Lessee will be released from all of Lessee's obligations under this Lease upon the payment to Lessor, on such date, of the Lease Payment then due together with the Balance

Payment amount set forth opposite such date, whereupon this Lease shall terminate. Lessor shall relinquish all of Lessor's rights and remedies under this Lease, and all right, title, and interest in the Equipment will continue to be vested in Lessee.

19. *Notices.* All notices to be given under this Lease shall be made in writing and mailed by certified mail, return receipt requested, to the other party at its address set forth herein or at such address as the party may provide in writing from time to time. Any such notice shall be deemed to have been received five days subsequent to receipt date as verified by the United States Postal Service.

20. *Section Headings.* All section headings contained herein are for the convenience of reference only and are not intended to define or limit the scope of any provision of this Lease.

21. *Governing Law.* This Lease shall be construed in accordance with, and governed by the laws of, the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this Agreement and for any other legal proceeding shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida.

22. *Delivery of Related Documents.* Lessee will provide, as requested by Lessor, such other documents and information as are reasonably necessary with respect to the transaction contemplated by this Lease.

23. *Scrutinized Companies.*

Subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), *affirmed*, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11th Cir. 2013), Lessor certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List and that it does not have business operations in Cuba or Syria as provided in section 287.135, Florida Statutes (2014), as may be amended or revised. The Lessee may terminate this Lease pursuant to Section 18. Termination, at the Lessee's option if Lessor is found to have submitted a false certification as provided under subsection (5) of section 287.135, Florida Statutes (2014), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or has been engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2014), as may be amended or revised.

24. *Public Records.*

Notwithstanding any other provision contained in this Lease, Lessor shall:

- (a) Keep and maintain public records that ordinarily and necessarily would be required by the Lessee in order to perform the service.

(b) Provide the public with access to public records on the same terms and conditions that the Lessee would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2014), as may be amended or revised, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

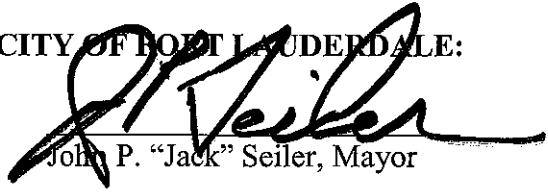
(d) Meet all requirements for retaining public records and transfer, at no cost, to the Lessee, all public records in possession of the Lessor upon termination of this Lease and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the Lessee in a format that is compatible with the information technology systems of the Lessee.

25. *Entire Agreement; Waiver.* This Lease, together with the Schedule A Equipment Lease-Purchase Agreement, Schedule B, Evidence of Insurance or Statement of Self-Insurance Statement of Essential Use/Source of Funds Certificate of Incumbency, Information Return for Tax-Exempt Governmental Obligations and the Delivery and Acceptance Certificate and other attachments hereto, and other documents or instruments executed by Lessee and Lessor in connection herewith, constitutes the entire agreement between the parties with respect to the Lease of the Equipment, and this Lease shall not be modified, amended, altered, or changed except with the written consent of Lessee and Lessor. Any provision of the Lease found to be prohibited by law shall be ineffective to the extent of such prohibition, without invalidating the remainder of the Lease.

The waiver by Lessor of any breach by Lessee of any term, covenant or condition hereof shall not operate as a waiver of any subsequent breach thereof.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the 29th day of June, 2015.

LESSEE: CITY OF BOBT LAUDERDALE:


John P. "Jack" Seiler, Mayor

WITNESSES:
Jennette A. Johnson
Print Name:

SHARON COYNE
Print Name:

ATTEST:

Jonda K. Joseph
Jonda Joseph, City Clerk

Lee Feldman
Lee Feldman, City Manager

STANLEY D. NAWTHORNE,
Approved as to form: **ACTING**

Paul Bern
Sr. Assistant City Attorney

LESSOR: MOTOROLA SOLUTIONS, INC.:

By: David Kliefoth
David A Kliefoth
Authorized Signatory

(Corporate Seal)

ATTEST:

C. Christopher Russell

Name: C. CHRISTOPHER RUSSELL

Title: ASSISTANT CORPORATE SECRETARY

CERTIFICATE OF INCUMBENCY

I, JONDA K. JOSEPH do hereby certify that I am the duly
(Printed Name of City Clerk)

appointed and acting Clerk of the City of Fort Lauderdale, that I have custody of the records of such entity, and that, as of the date hereof, the individual(s) executing this agreement is/are the duly elected or appointed officer(s) of such entity holding the office(s) below his/her/their respective name(s). I further certify that (i) the signature(s) set forth above his/her/their respective name(s) and title(s) is/are his/her/their true and authentic signature(s) and (ii) such officer(s) have the authority on behalf of such entity to enter into that certain Equipment Lease Purchase Agreement number 23702, between City of Fort Lauderdale and Motorola Solutions, Inc..

IN WITNESS WHEREOF, I have executed this certificate and affixed the seal of **CITY OF FORT LAUDERDALE**, hereto this 29 day of June, 2015.

By: Jonda K. Joseph SEAL
(Signature of City Clerk)

**SCHEDULE A
EQUIPMENT LEASE-PURCHASE AGREEMENT**

**Schedule A 23702
Lease Number:**

This Equipment Schedule is hereby attached to and made a part of that certain Equipment Lease-Purchase Agreement Number **23702** ("Lease"), between Motorola Solutions, Inc. ("Lessor") and City of Fort Lauderdale ("Lessee").

Lessor hereby leases to Lessee under and pursuant to the Lease, and Lessee hereby accepts and leases from Lessor under and pursuant to the Lease, subject to and upon the terms and conditions set forth in the Lease and upon the terms set forth below, the following items of Equipment

QUANTITY	DESCRIPTION (Manufacturer, Model, and Serial Nos.)
	Refer to attached Equipment List.
Equipment Location:	

Initial Term: 60 Months

Commencement Date: 6/30/2015

First Payment Due Date: 6/30/2016

5 Annual Payments of \$495,365.78 as outlined in the attached Schedule B, plus Sales/Use Tax of \$0.00, payable on the Lease Payment Dates set forth in Schedule B.

City of Fort Lauderdale (Schedule B)

Compound Period: Annual

Nominal Annual Rate: 2.390%

CASH FLOW DATA

Event	Date	Amount	Number	Period	End Date
1 Loan	6/30/2015	\$ 2,308,690.00	1		
2 Payment	6/30/2016	\$ 495,365.78	5	Annual	6/30/2020

AMORTIZATION SCHEDULE - Normal Amortization, 360 Day Year

	Date	Payment	Interest	Principal	Balance
Loan	6/30/2015				\$ 2,308,690.00
1	6/30/2016	\$ 495,365.78	\$ 55,177.69	\$ 440,188.09	\$ 1,868,501.91
2	6/30/2017	\$ 495,365.78	\$ 44,657.20	\$ 450,708.58	\$ 1,417,793.33
3	6/30/2018	\$ 495,365.78	\$ 33,885.26	\$ 461,480.52	\$ 956,312.81
4	6/30/2019	\$ 495,365.78	\$ 22,855.88	\$ 472,509.90	\$ 483,802.91
5	6/30/2020	\$ 495,365.78	\$ 11,562.87	\$ 483,802.91	\$ -
Grand Totals		\$ 2,476,828.90	\$ 168,138.90	\$ 2,308,690.00	

Except as specifically provided in Section five of the Lease hereof, Lessee agrees to pay to Lessor or its assignee the Lease Payments, including the interest portion, in the amounts and dates specified in the above payment schedule.

STATEMENT OF ESSENTIAL USE/SOURCE OF FUNDS

To further understand the essential governmental use intended for the equipment together with an understanding of the sources from which payments will be made, please address the following questions by completing this form or by sending a separate letter:

As is relates to CITY OF FORT LAUDERDALE LEASE No. 23702

1. What is the specific use of the equipment? Specific use is to provide mission-critical two-way communication for the City of Fort Lauderdale

2. Why is the equipment essential to the operation of **CITY OF FORT LAUDERDALE**?
The equipment is essential to provide mission-critical voice communications for the City's Public Safety entities.

3. Does the equipment replace existing equipment? yes

If so, why is the replacement being made? The equipment is being replaced due to serviceability, lack of parts and component to maintain operational use.

4. Is there a specific cost justification for the new equipment? No

If yes, please attach outline of justification.

5. What is the expected source of funds for the payments due under the Lease for the current fiscal year and future fiscal years? General revenue from taxes.

EQUIPMENT LEASE PURCHASE AGREEMENT DELIVERY AND ACCEPTANCE CERTIFICATE

The undersigned Lessee hereby acknowledges receipt of the Equipment described below ("Equipment") and Lessee hereby accepts the Equipment after full inspection thereof as satisfactory for all purposes of lease Schedule A to the Equipment Lease Purchase Agreement executed by Lessee and Lessor.

Equipment Lease Purchase Agreement Date: June ____, 2015

Equipment Lease Purchase Agreement No.: 23702 Lease Schedule A No. : 23702

EQUIPMENT INFORMATION

QUANTITY	MODEL NUMBER	EQUIPMENT DESCRIPTION
		Equipment referenced in lease Schedule A# 23702. See Schedule A for a detailed Equipment List.

LESSEE PROJECT MANAGER:

CITY OF FORT LAUDERDALE

By: _____

Title: Project Manager

Date: _____

Statement of Self-Insurance

Motorola Solutions, Inc
1303 east Algonquin Road
Schaumburg IL 60196

RE: Self-Insurance for a Schedule Number **23702** to that certain Equipment Lease Purchase Agreement Number **23702** dated the ___day of _____, 2015, by and between **CITY OF FORT LAUDERDALE** as Lessee and Motorola Solutions, Inc., as Lessor.

Equipment Description: See

attached equipment list Gentlemen:

In consideration of your waiver of the requirement in the above captioned Lease to furnish you with evidence of physical damage and liability insurance on the Equipment, and as a further inducement to you to allow the undersigned to self-insure, the Lessor agrees as follows:

1. To be fully and financially responsible for any and all partial or total loss of the Equipment;
2. To notify you in writing, immediately upon any loss of, or damage to, the Equipment;
3. To furnish you with estimates of the repair costs for any and all damage caused to, or suffered by, the Equipment;
4. To repair or replace said Equipment, or so much thereof as may be destroyed or damaged from any cause whatsoever within 45 days or as soon as possible thereafter;
5. To furnish you with paid receipts evidencing the repair of any and all damage to the Equipment;
6. In the event that said Equipment cannot be repaired or restored to a condition or value equivalent to its condition or value before the damage, or replaced by comparable equipment, to immediately pay such portion of the obligation as may be attributable to the Equipment destroyed or damaged beyond repair;

7. To provide annual accountant prepared financial statements.
8. To the limited extent provided by Florida law, to be financially responsible for any loss, damage, injury or accident involving or resulting from use of the Equipment.
9. To provide Lessor with written notice of any claims for loss, damage, injury or accident involving or resulting from use of the Equipment, and make available to Lessor all information and documentation relating thereto.



Memorandum

Memorandum No: 15-128

Date: June 19, 2015

To: Honorable Mayor and Commissioners

From: Lee R. Feldman, ICMA-CM, City Manager 

Re: Designation of Acting City Manager – June 25-26, 2015

I will be out of the office from Thursday, June 25th through Friday, June 26th. During this time, Assistant City Manager Stanley Hawthorne (cell phone 954-683-0403) will be the Acting City Manager.

I will be available by cell phone (954-999-2115) should you wish to contact me.

C: Susanne M. Torriente, Assistant City Manager
Stanley D. Hawthorne, Assistant City Manager
Cynthia A. Everett, City Attorney
Jonda K. Joseph, City Clerk
John C. Herbst, City Auditor
Community Building Leadership Team (CBLT)
Department Directors
CMO Managers

SALES AGREEMENT

Between

City of Fort Lauderdale

and

**Motorola Solutions, Inc.
8000 West Sunrise Blvd.
Plantation, Fl. 33322**

For A

Technology Upgrade P25 Overlay Digital System

Lease Purchase

AGREEMENT

THIS IS AN AGREEMENT, made and entered into this 26th day of JUNE 2015, by and between: CITY OF FORT LAUDERDALE, a Florida municipality, (hereinafter referred to as "CITY") and Motorola Solutions, Inc., a Delaware corporation authorized to transact business in the State of Florida, (hereinafter referred to as "CONTRACTOR" or "Motorola" or "Contractor").

WHEREAS, the City Commission of the City of Fort Lauderdale, Florida, at its meeting of _____, by motion authorized execution of an Agreement between CONTRACTOR and CITY authorizing the performance of work in connection with a Technology Upgrade P25 Overlay Digital System; and

WHEREAS, the CONTRACTOR is willing and able to perform services for such project for the compensation and on the terms hereinafter set forth: and

NOW, THEREFORE, in consideration of the mutual covenants, agreements, terms, and conditions contained herein, the parties hereto, do agree as follows:

ARTICLE 1 EXHIBITS, DEFINITIONS AND IDENTIFICATIONS

EXHIBITS

The exhibits listed below are incorporated into and made a part of this Agreement. In interpreting this Agreement and resolving any ambiguities, the main body of this Agreement takes precedence over the exhibits and any inconsistency between Exhibits A through D will be resolved in their listed order.

- | | |
|-----------|---|
| Exhibit A | Software License Agreement |
| Exhibit B | Motorola's Proposal dated May 13, 2015, amending and including the updated Section 7, Pricing Summary, and excluding Sections 8 and 9 thereof |
| Exhibit C | Service Terms and Conditions |
| Exhibit D | System Acceptance Certificate |

For the purposes of this Agreement and the various covenants, conditions, terms and provisions which follow, the DEFINITIONS and IDENTIFICATIONS set forth below are assumed to be true and correct and are therefore agreed upon by the parties. Capitalized terms used in this Agreement have the following meanings:

"Acceptance Tests" means those tests described in the Acceptance Test Plan.

"Additional Services" means services performed by the CONTRACTOR authorized by Change Order and supplemental to the basic services described in this Agreement.

"Agreement" means this document between the CITY and CONTRACTOR dated 26th JUNE, 2015, and any duly authorized and executed Amendments to Agreement.

"Beneficial Use" means when CITY first uses the System or a Subsystem for operational purposes (excluding training or testing).

"Change Order" means a written order approved by the CITY, authorizing a revision of this Agreement that is directly related to the original scope of work or an adjustment in the original Contract Price or the contract time directly related to the original scope of work, issued on or after the Effective Date.

"Commission" means the CITY Commission of the CITY of Fort Lauderdale, Florida, which is the governing body of the CITY government.

"Confidential Information" means any information that is confidential pursuant to Florida law or exempt from disclosure pursuant to Florida law.

"Contract Administrator" means the Communications Manager of the CITY of Fort Lauderdale, or his or her designee. In the administration of this agreement, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator.

"Contract Price" means the price for the System, excluding applicable sales or similar taxes and freight charges.

"Effective Date" means that date upon which the last Party executes this Agreement.

"Equipment" means the equipment that CITY purchases from Motorola under this Agreement. Equipment that is part of the System is described in the Equipment List.

"Force Majeure" means an event, circumstance, or act of a third party that is beyond a Party's reasonable control (e.g., an act of God, an act of the public enemy, an act of a government entity, strikes or other labor disturbances, hurricanes, earthquakes, fires, floods, epidemics, embargoes, war, and riots).

"Infringement Claim" means a third party claim alleging that the Equipment manufactured by Motorola or the Motorola Software infringes upon the third party's United States patent or copyright.

"Motorola Software" means Software that Motorola or its affiliated company owns.

"Non-Motorola Software" means Software that another party owns.

"Open Source Software" (also called "freeware" or "shareware") means software that has its underlying source code freely available to evaluate, copy, and modify.

"Primary Agreement" means the Agreement to which the exhibits are attached.

"Project" means an agreed scope of work for accomplishing a specific plan or development. The services to be provided by the CONTRACTOR shall be as defined in this agreement and supplemental Change Orders.

"Project Cost" means the total construction cost to CITY of all elements of the Project designed or specified by the CONTRACTOR.

"Project Manager" means the individual or entities selected, employed, compensated by and directed to perform services on behalf of CITY, in monitoring the Project to completion.

"Proprietary Rights" means the patents, patent applications, inventions, copyrights, trade secrets, trademarks, trade names, mask works, know-how, and other intellectual property rights in and to the Equipment and Software, including those created or produced by Motorola under this Agreement and any corrections, bug fixes, enhancements, updates or modifications to or derivative works from the Software whether made by Motorola or another party. Trade secrets are defined per Florida law.

"Software" means the Motorola Software and Non-Motorola Software, in object code format that is furnished with the System or Equipment.

"Specifications" means the functionality and performance requirements that are described in Exhibit B.

"Statement of Work" means the documents setting forth the final plans and specifications of the Project, including CONTRACTOR responsibilities, CITY responsibilities, Assumptions and Caveats, Cost Quotation and other essentials as may be required, all as approved by CITY as provided in this Agreement

"Subsystem" means a major part of the System that performs specific functions or operations. Subsystems are described in Exhibit B.

"System" means the Equipment, Software, and incidental hardware and materials that are combined together into an integrated system; the System is described in Exhibit B.

"System Acceptance" means the Acceptance Tests have been successfully completed.

"Warranty Period" means one (1) year from the date of System Acceptance or Beneficial Use, whichever occurs first.

ARTICLE 2 SCOPE

- 2.1 The CONTRACTOR shall perform the following services: As provided and specifically described in Exhibit "B" Motorola's Proposal dated May 13, 2015, which is attached hereto and made a part hereof. Motorola agrees to complete performance within one (1) year from the latter of the Effective Date of this Agreement, the effective date of the Equipment Lease Purchase Agreement, and receipt by Motorola of the City's Purchase Order, excluding Customer delays or events of Force Majeure.
- 2.2 CITY and CONTRACTOR acknowledge that the Scope of Services does not delineate every detail and minor work tasks required to be performed by CONTRACTOR to complete the Project. If, during the course of the performance of the services included in this Agreement, CONTRACTOR determines that work should be performed to complete the Project which is in the CONTRACTOR's opinion, outside the level of effort originally anticipated, whether or not the Scope of Services identifies the work items, CONTRACTOR shall notify Contract Administrator and obtain written approval by the CITY in a timely manner before proceeding with the work. If CONTRACTOR proceeds with said work without notifying the Contract Administrator, said work shall be deemed to be within the original level of effort, whether or not specifically addressed in the Scope of Services. Notice to Contract Administrator does not constitute authorization or approval

by CITY to perform the work. Performance of work by CONTRACTOR outside the originally anticipated level of effort without prior written CITY approval is at CONTRACTOR's sole risk.

2.3. TERM. Unless terminated in accordance with other provisions of this Agreement or extended by mutual agreement of the Parties, the term of this Agreement begins on the Effective Date and continues until the expiration of the Warranty Period.

2.4. APPROVAL OF CHANGE ORDERS

Either Party may request changes within the general scope of this Agreement. If a requested change causes an increase or decrease in the cost or time required to perform this Agreement, the Parties will negotiate an equitable adjustment of the Contract Price, Performance Schedule, or both, and will reflect the adjustment in a change order. Neither Party is obligated to perform requested changes unless both Parties execute a written Change Order. A Change Order will not be required for changes made pursuant to Section 3.7 of the Service Agreement.

2.5. ADDITIONAL EQUIPMENT OR SOFTWARE. For three (3) years after the Effective Date, CITY may order additional Equipment or Software if it is then available. Each order must refer to this Agreement and must specify the pricing and delivery terms. Notwithstanding any additional or contrary terms in the order, the applicable provisions of this Agreement (except for pricing, delivery, passage of title and risk of loss to Equipment, warranty commencement, and payment terms) will govern the purchase and sale of the additional Equipment or Software. Title and risk of loss to additional Equipment will pass at delivery, warranty will commence upon delivery, and payment is due within forty-five (45) days after the invoice date. Motorola will send CITY an invoice as the additional Equipment is shipped or Software is licensed. Alternatively, CITY may register with and place orders through Motorola Online ("MOL"), and this Agreement will be the "Underlying Agreement" for those MOL transactions rather than the MOL On-Line Terms and Conditions of Sale. MOL registration and other information may be found at <http://www.motorola.com/businessandgovernment/> and the MOL telephone number is (800) 814-0601.

2.6. MAINTENANCE SERVICE. During the Warranty Period, and for six (6) years after the Warranty Period for the infrastructure Equipment, Motorola will provide maintenance services for the Equipment and support for the Motorola Software pursuant to this Agreement. Those services and support are included in the Contract Price. CITY shall pay for each year's maintenance services annually, at the beginning of each maintenance period. If CITY wishes to purchase additional maintenance and support services for the Equipment after the Warranty Period, the description of and pricing for the services will be set forth in a separate document. If CITY wishes to purchase extended support for the Motorola Software after the Warranty Period, it may do so by ordering software subscription services. Unless otherwise agreed by the parties in writing, the terms and conditions applicable to the maintenance, support or software subscription services will be per Exhibits B and C, together with the appropriate statements of work.

- 2.7. **MOTOROLA SOFTWARE.** Any Motorola Software, including subsequent releases, is licensed to CITY solely in accordance with the Software License Agreement. CITY hereby accepts and agrees to abide by all of the terms and restrictions of the Software License Agreement.
- 2.8. **NON-MOTOROLA SOFTWARE.** Any Non-Motorola Software is licensed to CITY in accordance with the standard license, terms, and restrictions of the copyright owner on the Effective Date unless the copyright owner has granted to Motorola the right to sublicense the Non-Motorola Software pursuant to the Software License Agreement, in which case it applies and the copyright owner will have all of Licensor's rights and protections under the Software License Agreement. Motorola makes no representations or warranties of any kind regarding Non-Motorola Software. Non-Motorola Software may include Open Source Software. All Open Source Software is licensed to CITY in accordance with, and CITY agrees to abide by, the provisions of the standard license of the copyright owner and not the Software License Agreement. Upon request by CITY, Motorola will use commercially reasonable efforts to determine whether any Open Source Software will be provided under this Agreement; and if so, identify the Open Source Software and provide to CITY a copy of the applicable standard license (or specify where that license may be found); and provide to CITY a copy of the Open Source Software source code if it is publicly available without charge (although a distribution fee or a charge for related services may be applicable).
- 2.9. **SUBSTITUTIONS.** At no additional cost to CITY, Motorola may substitute any Equipment, Software, or services to be provided by Motorola, if the substitute meets or exceeds the Specifications and is of equivalent or better quality to the CITY. Any substitution will be reflected in a Change Order.

ARTICLE 3
SYSTEM ACCEPTANCE

- 3.1. **COMMENCEMENT OF ACCEPTANCE TESTING.** Motorola will provide to CITY at least ten (10) days notice before the Acceptance Tests commence. System testing will occur only in accordance with the Acceptance Test Plan.
- 3.2. **SYSTEM ACCEPTANCE.** System Acceptance will occur upon successful completion of the Acceptance Tests. Upon System Acceptance, the Parties will memorialize this event by promptly executing a System Acceptance Certificate. If the Acceptance Test Plan includes separate tests for individual Subsystems or phases of the System, acceptance of the individual Subsystem or phase will occur upon the successful completion of the Acceptance Tests for the Subsystem or phase, and the Parties will promptly execute an acceptance certificate for the Subsystem or phase. If CITY believes the System has failed the completed Acceptance Tests, CITY will provide to Motorola a written notice that includes the specific details of the failure. Minor omissions or variances in the System that do not materially impair the operation of the System as a whole will not postpone System Acceptance or Subsystem acceptance, but will be corrected according to a mutually agreed schedule.
- 3.3. **BENEFICIAL USE.** CITY acknowledges that Motorola's ability to perform its implementation and testing responsibilities may be impeded if CITY begins using the System before System Acceptance. Therefore, CITY will not commence Beneficial Use before System Acceptance without Motorola's prior written authorization, which will not

be unreasonably withheld. Motorola is not responsible for System performance deficiencies that occur during unauthorized Beneficial Use. Upon commencement of Beneficial Use, CITY assumes responsibility for the use and operation of the System.

- 3.4 FINAL PROJECT ACCEPTANCE. Final Project Acceptance will occur after System Acceptance when all deliverables and other work have been completed. When Final Project Acceptance occurs, the parties will promptly memorialize this final event by so indicating on the System Acceptance Certificate.

ARTICLE 4 REPRESENTATIONS AND WARRANTIES

- 4.1. SYSTEM FUNCTIONALITY. Motorola represents that the System will perform in accordance with the Specifications in all material respects. Upon System Acceptance or Beneficial Use, whichever occurs first, this System functionality representation is fulfilled. Motorola is not responsible for System performance deficiencies that are caused by ancillary equipment not furnished by Motorola which is attached to or used in connection with the System or for reasons or parties beyond Motorola's control, such as natural causes; the construction of a building that adversely affects the microwave path reliability or radio frequency (RF) coverage; the addition of frequencies at System sites that cause RF interference or intermodulation; or CITY changes to load usage or configuration outside the Specifications.
- 4.2. EQUIPMENT WARRANTY. During the Warranty Period, Motorola warrants that the Equipment under normal use and service will be free from material defects in materials and workmanship.
- 4.3. MOTOROLA SOFTWARE WARRANTY. Unless otherwise stated in the Software License Agreement, during the Warranty Period, Motorola warrants the Motorola Software in accordance with the terms of the Software License Agreement and the provisions of this Section 9 that are applicable to the Motorola Software.
- 4.4. EXCLUSIONS TO EQUIPMENT AND MOTOROLA SOFTWARE WARRANTIES. These warranties do not apply to: (i) defects or damage resulting from: use of the Equipment or Motorola Software in other than its normal, customary, and authorized manner; accident, liquids, neglect, or acts of God; testing, maintenance, disassembly, repair, installation, alteration, modification, or adjustment not provided or authorized in writing by Motorola; CITY's failure to comply with all applicable industry standards and applicable State of Florida workplace safety laws (ii) breakage of or damage to antennas unless caused directly by defects in material or workmanship; (iii) Equipment that has had the serial number removed or made illegible; (iv) batteries (because they carry their own separate limited warranty) or consumables; (v) freight costs to ship Equipment to the repair depot (not applicable for Motorola-owned equipment); (vi) scratches or other cosmetic damage to Equipment surfaces that does not affect the operation of the Equipment; and (vii) normal or customary wear and tear.
- 4.5. WARRANTY CLAIMS. To assert a warranty claim, CITY must notify Motorola in writing of the claim before the expiration of the Warranty Period. Upon receipt of this notice, Motorola will investigate the warranty claim. If this investigation confirms a valid warranty claim, Motorola will (at its option and at no additional charge to CITY) repair the defective Equipment or Motorola Software, replace it with the same or equivalent

product, or refund the price of the defective Equipment or Motorola Software. That action will be the full extent of Motorola's liability for the warranty claim. If this investigation indicates the warranty claim is not valid, then Motorola may invoice CITY for responding to the claim on a time and materials basis using Motorola's then current labor rates. Repaired or replaced product is warranted for the balance of the original applicable warranty period. To the extent provided by applicable CITY of Fort Lauderdale ordinance, all replaced products or parts will become the property of Motorola.

- 4.6. ORIGINAL END USER IS COVERED. These express limited warranties are extended by Motorola to the original user purchasing the System for commercial, industrial, or governmental use only, and are not assignable or transferable.
- 4.7. DISCLAIMER OF OTHER WARRANTIES. THESE WARRANTIES ARE THE COMPLETE WARRANTIES FOR THE EQUIPMENT AND MOTOROLA SOFTWARE PROVIDED UNDER THIS AGREEMENT AND ARE GIVEN IN LIEU OF ALL OTHER WARRANTIES. TO THE EXTENT ALLOWED BY LAW, MOTOROLA DISCLAIMS ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

ARTICLE 5 TIME FOR PERFORMANCE; CONTRACTOR DAMAGES

- 5.1 CONTRACTOR shall perform the services described herein within the specified, mutually agreed upon project schedule, developed before commencement of work and made a part of this Agreement. The Project Schedule, once complete, shall be automatically incorporated into this Agreement; said time periods shall commence from the Effective Date.
- 5.2 In the event CONTRACTOR is unable to complete the above services because of delays resulting from untimely review by CITY or other governmental authorities having jurisdiction over the Project, and such delays are not the fault of CONTRACTOR, or because of delays which were caused by factors outside the control of CONTRACTOR ("Force Majeure"), CITY shall grant a reasonable extension of time for completion of the services and may provide reasonable compensation, if appropriate. It shall be the responsibility of the CONTRACTOR to notify CITY promptly in writing whenever a delay in approval by a governmental agency is anticipated or experienced, and to inform CITY of all facts and details related to the delay.
- 5.3 PAYMENT AND PERFORMANCE BONDS

5.3.1. CONTRACTOR shall within (30) working days after execution of this Agreement by both parties, at CONTRACTOR's expense, furnish to the CITY a Payment and Performance Bonds, in the amount of \$2,308,690 as surety for faithful performance under the terms and conditions of the Agreement. If the bonds are on an annual coverage basis, renewal for each succeeding year shall be submitted to the CITY thirty (30) days prior to the termination date of the existing Payment and Performance Bonds. The Payment and Performance Bonds must be executed by a surety company of recognized standing and authorized to transact business and issue payment and performance bonds in the State of Florida, and having a resident agent.

5.3.2. The surety company must have a Financial Size Categories (FSC) rating of no less than "A-" by the latest edition of Best's Key Rating Guide, hold a valid Florida Certificate of Authority issued by the State of Florida Office of Insurance Regulation, and be a member of the Florida Guarantee Fund.

5.3.3. Acknowledgement and agreement is given by both parties that the amount herein set for the Payment and Performance Bonds are not intended to be, nor shall they be deemed to be in the nature of liquidated damages nor are they intended to limit the liability of the Contractor to the CITY in the event of a material breach of this Agreement by the Contractor.

ARTICLE 6 COMPENSATION AND METHOD OF PAYMENT

6.1 AMOUNT AND METHOD OF COMPENSATION

6.1.1 CONTRACT PRICE

CITY agrees to pay CONTRACTOR as compensation for performance of all Equipment and services required under the terms of this Agreement, Four Million Nineteen Thousand Four Hundred Forty-Seven Dollars and Fourteen Cents (\$4,019,447.14) (the "Contract Price").

6.2 METHOD OF PAYMENT

6.2.1. The Contract Price will be paid as follows:

\$17,312.00 due within thirty (30) days following the CITY's receipt of a proper invoice issued after the Effective Date;

\$2,308,690 will be paid via the disbursement of the financing proceeds pursuant to the Equipment Lease-Purchase Agreement No. 23702, executed between the parties; and

\$1,693,445.14 is the balance of the Contract Price for post warranty maintenance services and will be paid via annual payments, due and payable at the beginning of each annual maintenance period.

For CITY's reference, the Federal Tax Identification Number for Motorola Solutions, Inc. is 36-1115800. Motorola will pre-pay and add all freight charges to the invoices.

6.2.2. TITLE, AND RISK OF LOSS; INVOICING AND SHIPPING. Motorola will pre-pay and add all freight charges to the invoices. Unless otherwise stated in Equipment Lease-Purchase Agreement, title and risk of loss to the Equipment will pass to CITY upon delivery to CITY. Title to Software will not pass to CITY at any time. Motorola will pack and ship all Equipment in accordance with good commercial practices.

6.2.3. INVOICING AND SHIPPING ADDRESSES. Invoices will be sent to the CITY at the following address: Attn: Accounts Payable 100 N. Andrews Ave., Fort Lauderdale, FL 33301. The Equipment will be shipped to the ultimate address:

1300 W. Broward Blvd. Fort Lauderdale, FL 33312;
949 NW 38th St. Fort Lauderdale, FL 33309; and
350 Galt Ocean Dr. Fort Lauderdale, FL 33308.

The CITY may change this information by giving written notice to Motorola.

6.2.4. TAXES. The CITY of Fort Lauderdale is exempt from Federal Excise and Florida Sales taxes on direct purchase of tangible property. Exemption number for EIN is 59-6000319, and State Sales tax exemption number is 85-8013875578C-1.

ARTICLE 7 ADDITIONAL SERVICES AND CHANGES IN SCOPE OF SERVICES

- 7.1 CITY or CONTRACTOR may request changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under this Agreement. Such changes must be contained in a written amendment, executed by the parties hereto, prior to any deviation from the terms of this Agreement including the initiation of any Additional Services. CITY shall compensate CONTRACTOR for such Additional Services as provided in Article 3.4 or as set forth in writing in a Change Order signed by both parties.
- 7.2 In the event a dispute between the Contract Administrator and CONTRACTOR arises over whether requested services constitute Additional Services and such dispute cannot be resolved by the Contract Administrator and CONTRACTOR, such dispute shall be promptly presented to the Contract Administrator's Department Director for resolution. The Director's decision shall be final and binding on the parties, subject to judicial review. Any resolution in favor of CONTRACTOR shall be set forth in a written document in accordance with Section 7.1 above. During the pendency of any dispute, CONTRACTOR shall promptly perform the undisputed services and the CITY shall pay CONTRACTOR per Article 6.

ARTICLE 8 CITY'S RESPONSIBILITIES

- 8.1 CITY shall assist CONTRACTOR by placing at CONTRACTOR's disposal all information CITY has available pertinent to the Project including previous reports and any other data relative to design or construction of the Project site.
- 8.2 CITY shall arrange for access to, and make all provisions for, CONTRACTOR to enter upon public and private property as required for CONTRACTOR to perform its services. CONTRACTOR shall adhere to CITY's security policies and procedures for access to CITY facilities. Private property access will be governed by the property owner's policies and procedures. All personnel requesting access to the Police Department site shall provide personal identifying information in order to allow the Department to perform a security background check.
- 8.3 CITY shall review the itemized deliverables/documents identified in this Agreement.
- 8.4 CITY shall give prompt written notice to CONTRACTOR whenever CITY observes or otherwise becomes aware of any development that affects the scope or timing of CONTRACTOR's services or any defect in the work of the Contractor.

ARTICLE 9
MISCELLANEOUS

9.1 OWNERSHIP OF DOCUMENTS

All documents including, but not limited to, drawings, renderings, models, and specifications prepared or furnished by CONTRACTOR solely for the CITY pursuant to this Agreement, and which are not deemed by Motorola to be its proprietary or intellectual property, or trade secret pursuant to Florida law, shall be owned by the CITY.

9.2 TERMINATION

9.2.1 If the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Agreement, or if the Contractor shall violate any of the provisions of this Agreement, the CITY may upon thirty (30) days written notice to the Contractor terminate the right of the Contractor to proceed under this Agreement, or with such part or parts of the Agreement as to which there has been default, and may hold the Contractor liable for any damages caused to the CITY by reason of such default and termination. In the event of such termination, any completed services performed by the Contractor under this Agreement shall, at the option of the CITY, become the CITY's property and the Contractor shall be entitled to receive equitable compensation for any work completed. The Contractor, however, shall not be relieved of liability to the CITY for reasonable damages directly sustained by the CITY by reason of any breach of the Agreement by the Contractor, and the CITY may withhold any payments to the Contractor for the purpose of setoff until such time as the amount of damages due to the CITY from the Contractor can be determined. If the CITY is the non-defaulting Party, terminates this Agreement as permitted by this Section, and completes the System through a third Party, the CITY may recover from Motorola reasonable costs incurred to complete the System to a capability not exceeding that specified in this Agreement.

9.2.2 This Agreement may also be terminated by CITY upon such notice, as CITY deems appropriate under the circumstances in the event CITY determines that termination is necessary to protect the public health, safety, or welfare of the public.

9.2.3 CANCELLATION FOR UNAPPROPRIATED FUNDS: The obligation of the CITY for payment to Contractor is limited to the availability of funds appropriated in a current fiscal period, and evidenced as available by signature of the CITY below, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.

9.2.4 Notice of termination shall be provided in accordance with Section 9.26, NOTICES, except that Contract Administrator may provide a verbal stop work order if the Contract Administrator deems a stop work order of this Agreement in whole or in part is necessary to protect the public health, safety, or welfare. A verbal stop work order shall be promptly confirmed in writing as set forth in Section 10.15, NOTICES.

9.2.5 In the event this Agreement is terminated for non-appropriation, CONTRACTOR shall be paid for any products and services performed to the date the Agreement is terminated. Compensation shall be withheld until all documents specified in Section 9.3 of this Agreement are provided to the CITY. Upon being notified of CITY's election to

terminate, CONTRACTOR shall refrain from performing further services or incurring additional expenses under the terms of this Agreement. Under no circumstances shall CITY make payment for services that have not been performed.

9.3 AUDIT RIGHT AND RETENTION OF RECORDS

9.3.1. CITY shall have the right to audit the books, records, and accounts of CONTRACTOR that are related to this Project. CONTRACTOR shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project.

9.3.2. CONTRACTOR shall preserve and make available, at reasonable times for examination and audit by CITY all financial records, supporting documents, statistical records, and any other documents pertinent to this Agreement for the required retention period of the Florida Public Records Act (Chapter 119, Florida Statutes), if applicable, or, if the Florida Public Records Act is not applicable, for a minimum of three (3) years after termination of this Agreement. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer, the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONTRACTOR's records, CONTRACTOR shall comply with all requirements thereof; however, no confidentiality or non-disclosure requirement of either federal or state law shall be violated by CONTRACTOR. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for CITY's disallowance and recovery of any payment upon such entry. Motorola will verify the accuracy of its invoices; however, Motorola will not be required to disclose its confidential and proprietary raw costs or pricing data from which Customer's fixed pricing is determined by Motorola.

9.4 NON DISCRIMINATION, EQUAL EMPLOYMENT OPPORTUNITY, AND AMERICANS WITH DISABILITIES ACT

9.4.1. CONTRACTOR shall not unlawfully discriminate against any person in its operations and activities in its use or expenditure of the funds or any portion of the funds provided by this Agreement and shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded in whole or in part by CITY, including Titles I and II of the ADA (regarding nondiscrimination on the basis of disability), and all applicable regulations, guidelines, and standards.

9.4.2. CONTRACTOR's decisions regarding the delivery of services under this Agreement shall be made without regard to or consideration of race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation, or any other factor which cannot be lawfully or appropriately used as a basis for service delivery.

9.4.3. CONTRACTOR shall comply with Title I of the ADA regarding nondiscrimination on the basis of disability in employment and further shall not discriminate against any employee or applicant for employment because of race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability. In addition, CONTRACTOR shall take affirmative steps to ensure nondiscrimination in employment against disabled persons. Such actions shall include,

but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

9.4.4. CONTRACTOR shall take affirmative action to ensure that applicants are employed and employees are treated without regard to race, age, religion, color, gender, sexual orientation, national origin, marital status, political affiliation, or physical or mental disability during employment. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff, termination, rates of pay, other forms of compensation, terms and conditions of employment, training (including apprenticeship), and accessibility.

9.5 PUBLIC ENTITY CRIMES ACT

9.5.1. CONTRACTOR represents that the execution of this Agreement will not violate the Public Entity Crimes Act (Section 287.133, Florida Statutes), which essentially provides that a person or affiliate who is a contractor, contractor or other provider and who has been placed on the convicted vendor list following a conviction for a "public entity crime", as defined by Section 287.133, Florida Statutes, may not submit a bid on a contract to provide any goods or services to CITY, may not submit a bid on a contract with CITY for the construction or repair of a public building or public work, may not submit bids on leases of real property to CITY, may not be awarded or perform work as a contractor, supplier, subcontractor, or contractor under a contract with CITY, and may not transact any business with CITY in excess of the threshold amount provided in Section 287.017, Florida Statutes, for category two purchases for a period of 36 months from the date of being placed on the convicted vendor list. Violation of this section shall result in termination of this Agreement and recovery of all monies paid hereto, and may result in debarment from CITY's competitive procurement activities.

9.5.2. In addition to the foregoing, CONTRACTOR further represents that there has been no determination, based on an audit, that it committed an act defined by Section 287.133, Florida Statutes, as a "public entity crime" and that it has not been formally charged with committing an act defined as a "public entity crime" regardless of the amount of money involved or whether CONTRACTOR has been placed on the convicted vendor list.

9.6 SUBCONTRACTORS

9.6.1. CONTRACTOR may subcontract certain items of work to a subcontractor. The parties expressly agree that the CONTRACTOR shall submit pertinent information regarding the proposed subcontractor, including subcontractor's scope of work, for review and approval by the CITY prior to sub-contractors proceeding with any work.

9.6.2. CONTRACTOR may utilize the subcontractors identified below to provide the services for this Project. CONTRACTOR shall obtain written approval of Contract Administrator prior to changing or modifying the list of subcontractors submitted by CONTRACTOR. Written approval or disapproval will be within ten (10) business days, and may not be unreasonably withheld, but which approval the CITY may revoke at any time for cause. The list of subcontractors submitted is as follows:

1. Control Communications Inc. - 3650 Hacienda Blvd. Suite C, Davie, Florida 33314
2. Weezer Electric, Inc. - 271 NW 16th Street, Pompano Beach, Florida 33060

9.6.3. CONTRACTOR shall ensure that all of CONTRACTOR's subcontractors perform in accordance with the terms and conditions of this Agreement. CONTRACTOR shall be fully responsible for all of CONTRACTOR's subcontractors' performance, and liable for any of CONTRACTOR's subcontractors' non-performance and all of CONTRACTOR's subcontractors' negligent acts and omissions. CONTRACTOR shall defend at CONTRACTOR's expense, and indemnify and hold the CITY and the CITY's officers and employees harmless from and against any claim, lawsuit, third party action, fine, penalty, settlement, or judgment, including any award of attorney fees and any award of costs, occasioned by or arising out of any act or omission by any of Contractor's subcontractors, their subcontractors' officers, agents or employees. Contractor's use of subcontractors in connection with this Agreement shall be subject to the CITY's prior written approval, which approval the CITY may revoke at any time for cause. The CITY's approval shall not be unreasonably withheld.

9.7 ASSIGNMENT AND PERFORMANCE

9.7.1. Neither this Agreement nor any interest herein shall be assigned, transferred, or encumbered without the written consent of the CITY, and CONTRACTOR shall not subcontract any portion of the work required by this Agreement except as authorized pursuant to Section 9.6, SUBCONTRACTORS.

9.7.2. The monies, which may become due hereunder, are not assignable except with the proper written approval of the CITY Commission or the CITY Manager or CITY Manager's designee.

9.7.3. CONTRACTOR represents that all persons delivering the services required by this Agreement have the knowledge and skills, either by training, experience, education, or a combination thereof, to adequately and competently perform the duties, obligations, and services set forth in the Scope of Services and to provide and perform such services to CITY for the agreed compensation.

9.7.4. CONTRACTOR shall perform its duties, obligations, and services under this Agreement in a skillful and respectable manner. The quality of CONTRACTOR's performance and all interim and final product(s) provided to or on behalf of CITY shall be comparable to the best local and national professional standards.

9.8 INDEMNIFICATION TO CITY

9.8.1 INDEMNITY/HOLD HARMLESS AGREEMENT: CONTRACTOR agrees to protect, defend, indemnify, and hold harmless the CITY and its officers and employees from and against any and all losses, penalties, damages, settlements, claims, costs, charges for other expenses, or liabilities, including reasonable attorneys fees, in connection with or arising directly out of the work agreed to or performed by CONTRACTOR under the terms of this Agreement. Without limiting the foregoing, any and all such claims, suits, or other actions relating to personal injury, death, damage to tangible property, defects in materials or workmanship, actual or alleged violations of any applicable Statute, ordinance, administrative order, rule or regulation, or decree of any court shall be included in the indemnity hereunder.

9.8.2 PATENTS AND ROYALTIES:

9.8.2.1. Motorola will defend at its expense any suit brought against CITY to the extent it is based on an Infringement Claim, and Motorola will indemnify CITY for those costs and damages finally awarded against CITY for an Infringement Claim. Motorola's duties to defend and indemnify are conditioned upon: CITY promptly notifying Motorola in writing of the Infringement Claim; Motorola having sole control of the defense of the suit and all negotiations for its settlement or compromise; and CITY providing to Motorola cooperation and, if requested by Motorola, reasonable assistance in the defense of the Infringement Claim.

9.8.2.2. If an Infringement Claim occurs, or in Motorola's opinion is likely to occur, Motorola may at its option and expense procure for CITY the right to continue using the Equipment or Motorola Software, replace or modify it so that it becomes non-infringing while providing functionally equivalent performance, or grant CITY a credit for the Equipment or Motorola Software as depreciated and accept its return. The depreciation amount will be calculated based upon generally accepted accounting standards for such Equipment and Motorola Software.

9.8.2.3. Motorola will have no duty to defend or indemnify for any Infringement Claim that is based upon: (a) the combination of the Motorola Product with any software, apparatus or device not furnished by Motorola; (b) the use of ancillary equipment or software not furnished by Motorola and that is attached to or used in connection with the Motorola Product; (c) Motorola Product designed or manufactured in accordance with CITY's designs, specifications, guidelines or instructions, if the alleged infringement would not have occurred without such designs, specifications, guidelines or instructions; (d) a modification of the Motorola Product by a party other than Motorola; (e) use of the Motorola Product in a manner for which the Motorola Product was not designed or that is inconsistent with the terms of this Agreement; or (f) the failure by CITY to install an enhancement release to the Motorola Software that is intended to correct the claimed infringement. In no event will Motorola's liability resulting from its indemnity obligation to CITY extend in any way to royalties payable on a per use basis or the CITY's revenues, or any royalty basis other than a reasonable royalty based upon revenue derived by Motorola from CITY from sales or license of the infringing Motorola Product, if applicable.

9.8.2.4. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the prices shall include all royalties or costs arising from the use of such design, device, or materials involved in the work by Motorola.

9.9 LIMITATION OF LIABILITY

Except for personal injury, death or damage to tangible property, Motorola's total liability, whether for breach of contract, warranty, negligence, strict liability in tort, indemnification, or otherwise, will be limited to the direct damages recoverable under law, but not to exceed the price of the Equipment, Software, or services with respect to which losses or damages are claimed. **ALTHOUGH THE PARTIES ACKNOWLEDGE THE POSSIBILITY OF SUCH LOSSES OR DAMAGES, THEY AGREE THAT MOTOROLA WILL NOT BE LIABLE FOR ANY COMMERCIAL LOSS;**

INCONVENIENCE; LOSS OF USE, TIME, DATA, GOOD WILL, REVENUES, PROFITS OR SAVINGS; OR OTHER SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO OR ARISING FROM THIS AGREEMENT, THE SALE OR USE OF THE EQUIPMENT OR SOFTWARE, OR THE PERFORMANCE OF SERVICES BY MOTOROLA PURSUANT TO THIS AGREEMENT. This limitation of liability provision survives the expiration or termination of the Agreement and applies notwithstanding any contrary provision. An action for contract breach or otherwise relating to the transactions contemplated by this Agreement may be brought within the time provided for by Florida law.

ARTICLE 10
INSURANCE

CONTRACTOR shall furnish to CITY of Fort Lauderdale, c/o Department of Risk Management Services, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, an ACORD Certificate(s) of Insurance upon the Effective Date which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

10.1. COMMERCIAL GENERAL LIABILITY

A. Limits of Liability

Bodily Injury and Property Combined Single Limit	
Each Occurrence	\$1,000,000
General Policy Aggregate	\$2,000,000
Personal Injury	\$1,000,000
Products/Completed Operations Aggregate	\$1,000,000

B. Additional Coverage Requirements

City of Fort Lauderdale included as an Additional Insured
Contractual Liability
Premises/ Operations

10.2. BUSINESS AUTOMOBILE LIABILITY

Limits of Liability

Bodily Injury and Property Damage Liability	
Combined Single Limit	
Any Auto Including Hired, Borrowed or Non-Owned Autos	
Any One Accident	\$1,000,000

10.3 WORKER'S COMPENSATION

Limits of Liability
Statutory-State of Florida

10.4 The CITY is required to be included as additional insured on the Commercial General Liability Policy. **BINDERS ARE UNACCEPTABLE.** The insurance coverage required shall include those classifications, as listed in standard liability insurance

manuals, which most nearly reflect the operations of the CONTRACTOR.

10.5 All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

10.6 The Company must be rated no less than "A-" as to financial strength, and no less than "Class VII" as to financial size, by the latest edition of Best's Key Rating Insurance Guide which holds a valid Florida Certificate of Authority issued by the State of Florida, Office of Insurance Regulation, and are members of the Florida Guarantee Fund.

10.7 CONTRACTOR agrees that no cancellation of insurance for any reason shall be made without thirty (30) days written advance notice to the certificate holder.

10.8 Compliance with the foregoing requirements shall not relieve the CONTRACTOR of its liability and obligation under this section or under any other section of this Agreement.

10.9. The CONTRACTOR shall be responsible for assuring that the insurance certificates required in conjunction with this section remain in force for the duration of the Project. If insurance certificates are scheduled to expire during the contractual period, the CONTRACTOR shall be responsible for submitting new or renewed insurance certificates to the CITY at a minimum of five (5) calendar days in advance of such expiration. In the event that expired certificates are not replaced with new or renewed certificates that cover the contractual period, the CITY shall:

- A) Suspend the Agreement until such time as the new or renewed certificates are received by the CITY.
- B) The CITY may, at its sole discretion, terminate the Agreement for cause and seek damages from the CONTRACTOR in conjunction with the violation of the terms and conditions of the Agreement.

10.10 CONTRACTOR shall require all of its subcontractors to provide the aforementioned coverage.

ARTICLE 11 REPRESENTATIVE OF CITY AND CONTRACTOR

11.1. CONTRACT ADMINISTRATOR

11.1.1. Contract Administrator, or his or her designee, is the CITY's representative regarding this Agreement. The parties, however, recognize that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon CONTRACTOR's request, may advise CONTRACTOR in writing of one (1) or more CITY employees to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

11.1.2 CONTRACTOR shall inform the Contract Administrator in writing of CONTRACTOR's representative to whom matters involving the conduct of the Project shall be addressed.

11.2 ALL PRIOR AGREEMENTS SUPERSEDED

This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein; and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, the parties agree that no deviation from the terms hereof shall be predicated upon any prior representations or agreements whether oral or written.

11.3 INDEPENDENT CONTRACTOR

CONTRACTOR is an independent contractor under this Agreement. Services provided by CONTRACTOR shall be subject to the supervision of CONTRACTOR. In providing the services, neither CONTRACTOR nor its agents shall be acting nor shall any of them be deemed as acting as officers, employees, or agents of the CITY. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this Agreement shall be those of CONTRACTOR. The parties expressly acknowledge that it is not their intent to create any rights or obligations in any third person or entity under this Agreement.

11.4 THIRD PARTY BENEFICIARIES

Neither CONTRACTOR nor CITY intends to directly or substantially benefit a third party by this Agreement. Therefore, the parties agree that there are no third party beneficiaries to this Agreement and that no third party shall be entitled to assert a claim against either of them based upon this Agreement, without prior written approval by both parties to this Agreement.

11.5 CONFLICTS

11.5.1. Neither CONTRACTOR nor its employees shall have or currently hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONTRACTOR's loyal and conscientious exercise of judgment related to its performance under this Agreement.

11.5.2. CONTRACTOR agrees that none of its officers or employees shall, during the term of this Agreement, serve as expert witness against CITY in any legal or administrative proceeding in which he or she is not a party, unless compelled by court process, nor shall such persons give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY or in connection with any such pending or threatened legal or administrative proceeding.

11.5.3. The limitations of this section shall not preclude such persons from representing themselves in any action or in any administrative or legal proceeding.

11.5.4. In the event CONTRACTOR is permitted to utilize subcontractors to perform any services required by this Agreement, CONTRACTOR agrees to prohibit such

subcontractors, by written contract, from having any conflicts with CITY as within the meaning of this section.

11.6 WAIVER OF BREACH AND MATERIALITY

11.6.1. Failure by CITY or CONTRACTOR to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement.

11.6.2. CITY and CONTRACTOR agree that each requirement, duty, and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof.

11.7 COMPLIANCE WITH LAWS

CONTRACTOR shall comply with all federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations related to this Agreement.

11.8 ASBESTOS STATEMENT

All material supplied must be 100% asbestos free. CONTRACTOR certifies that CONTRACTOR will supply only material or equipment that is 100% asbestos free.

11.9 SEVERABILITY

In the event this Agreement or a portion of this Agreement is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective.

11.10 JOINT PREPARATION

Preparation of this Agreement has been a joint effort of CITY and CONTRACTOR and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than any other.

11.11 PRIORITY OF PROVISIONS

If there is a conflict or inconsistency between any term, statement, requirement, or provision of any exhibit attached hereto, any document or events referred to herein, or any document incorporated into this Agreement by reference and a term, statement, requirement, or provision of this Agreement, the term, statement, requirement, or provision contained in Articles 1-10 of this Agreement shall prevail and be given effect.

11.12 APPLICABLE LAW AND VENUE

This Agreement shall be interpreted and construed in accordance with and governed by the laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this agreement and for any other legal proceeding shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida.

11.13 EXHIBITS

Each Exhibit referred to in this Agreement forms an essential part of this Agreement. The Exhibits, if not physically attached, should be treated as part of this Agreement, and are incorporated herein by reference.

11.14 TWO ORIGINAL AGREEMENTS

This Agreement shall be executed in duplicate, with each one treated as an original.

11.15 NOTICES

Whenever either party desires to give notice unto the other, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the party for whom it is intended, at the place last specified, and the place for giving of notice in compliance with the provisions of this paragraph. For the present, the parties designate the following as the respective places for giving of notice, to-wit:

CITY: Lee Feldman, City Manager
City of Fort Lauderdale
100 N. Andrews Avenue, Floor 7
Fort Lauderdale, Florida 33301
L.Feldman@fortlauderdale.gov
Telephone: (954) 828-5959

CONTRACTOR:

Motorola Solutions, Inc.
8000 West Sunrise Blvd.
Plantation, FL 33322
Attn: Mitch Nowak

With a copy to:

Troy Bailey Communication Manager
City of Fort Lauderdale Communications Shop
100 N. Andrews Ave.
Fort Lauderdale, FL 33301
Telephone: (954) 828-5790

and

Judy Jean-Pierre, Sr. Commercial Attorney
Legal, Government Affairs & Corporate Communications
Motorola Solutions, Inc.
1303 E. Algonquin Road, IL01, 10th Floor
Schaumburg, IL 60196

11.16 ATTORNEY FEES

If CITY or CONTRACTOR incurs any expense in enforcing the terms of this Agreement:

through litigation, the prevailing party in that litigation may recover all such reasonable costs and expenses, including but not limited to, court costs and reasonable attorney fees incurred during litigation.

11.17 PERMITS, LICENSES AND TAXES

11.17.1 CONTRACTOR shall, at its own expense, obtain all necessary permits and licenses, pay all applicable fees, and pay all applicable sales, consumer, use and other taxes required to comply with local ordinances, state and federal law. CONTRACTOR is responsible for reviewing the pertinent state statutes regarding state taxes and for complying with all requirements therein. The CITY will obtain and comply with all Federal Communications Commission ("FCC") licenses and authorizations required for the installation, operation and use of the System before the scheduled installation of the Equipment. Although Motorola will assist CITY in the preparation of its FCC license applications and Region 9 Florida Region Interference Plan (FRIP) documentation, neither Motorola nor any of its employees is an agent or representative of CITY in FCC or other matters.

11.17.2. Any change in tax laws after the execution of this Agreement may subject this Agreement to further negotiation and CONTRACTOR shall be responsible for complying with all state tax requirements.

11.18 EVALUATION

The CITY maintains the right to periodically review the performance of the CONTRACTOR regarding the Scope of Services, the quality of the work performed, the cost to the CITY and the good faith efforts made by the CONTRACTOR to utilize Minority-owned Business Enterprise (MBE)/Women-owned Business Enterprise (WBE) participation in CITY projects. Any deficiencies in performance will be described in writing and an opportunity afforded, where practicable, for the Contractor to address and remedy such deficiencies.

11.19 STATUTORY COMPLIANCE

CONTRACTOR shall prepare all documents and other materials for the Project in accordance with all applicable rules, laws, ordinances and governmental regulations of the State of Florida, Broward County, Florida, the CITY of Fort Lauderdale, Florida, and all governmental agencies having jurisdiction over the services to be provided by CONTRACTOR under this Agreement or over any aspect or phase of the Project.

11.20 CONFIDENTIALITY

Each Party will: maintain the confidentiality of the other Party's Confidential Information and not disclose it to any third party, except as authorized by the disclosing Party in writing or as required by a court of competent jurisdiction; restrict disclosure of the Confidential Information to its employees who, in the recipient employer's opinion, have a "need to know", and not copy or reproduce the Confidential Information; take necessary and appropriate precautions to guard the confidentiality of the Confidential Information that it is confidential and is not to be disclosed to others, but these precautions will be at least the same degree of care that the receiving Party applies to its own confidential information and will not be less than reasonable care; and use of such

Confidential Information only in furtherance of the performance of this Agreement. Except as otherwise provided by Florida law, Confidential Information is and will at all times remain the property of the disclosing Party, and no grant of any proprietary rights in the Confidential Information is given or intended, including any express or implied license, other than the limited right of the recipient to use the Confidential Information in the manner and to the extent permitted by this Agreement. Notwithstanding the foregoing, CONTRACTOR acknowledges that the CITY is subject to the Florida public records law. Except for Software Documentation that is specifically marked Confidential, Proprietary or Trade Secret that is trade secret pursuant to Florida law, absent an applicable exemption, all records made or received by the CITY in connection with this Agreement are public records open for inspection and copying at any reasonable time.

11.21 AUTHORITY TO EXECUTE AGREEMENT

11.21.1. Each Party represents that it has obtained all necessary approvals, consents and authorizations to enter into this Agreement and to perform its duties under this Agreement; the person executing this Agreement on its behalf has the authority to do so; upon execution and delivery of this Agreement by the Parties, it is a valid and binding contract, enforceable in accordance with its terms; and the execution, delivery, and performance of this Agreement does not violate any bylaw, charter, regulation, law or any other governing authority of the Party.

11.21.2. The Parties hereby enter into this Agreement as of the Effective Date. This Agreement may be executed by each of the Parties hereto in separate counterparts, and shall have the same legal force and effect as if the Parties had executed it as a single document. The parties may sign in writing, or by electronic signature, including by email. An electronic signature, or a facsimile copy or computer image, such as a PDF or tiff image, of a signature, shall be treated as and shall have the same effect as an original signature. In addition, an electronic signature, a true and correct facsimile copy or computer image of this Agreement shall be treated as and shall have the same effect as an original signed copy of this document.

11.22. SCRUTINIZED COMPANIES.

Subject to *Odebrecht Construction, Inc., v. Prasad*, 876 F.Supp.2d 1305 (S.D. Fla. 2012), *affirmed*, *Odebrecht Construction, Inc., v. Secretary, Florida Department of Transportation*, 715 F.3d 1268 (11th Cir. 2013), Contractor certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List and that it does not have business operations in Cuba or Syria as provided in section 287.135, Florida Statutes (2014), as may be amended or revised. The CITY may terminate this Agreement at the CITY's option if Contractor is found to have submitted a false certification as provided under subsection (5) of section 287.135, Florida Statutes (2014), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or has been engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2014), as may be amended or revised.

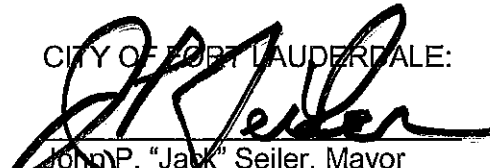
11.23. PUBLIC RECORDS.

Notwithstanding any other provision contained in this Agreement, CONTRACTOR shall:

- (a) Keep and maintain public records that ordinarily and necessarily would be required by the CITY in order to perform the service.
- (b) Provide the public with access to public records on the same terms and conditions that the CITY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2014), as may be amended or revised, or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (d) Meet all requirements for retaining public records and transfer, at no cost, to the CITY, all public records in possession of the contractor upon termination of this contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the CITY in a format that is compatible with the information technology systems of the CITY.

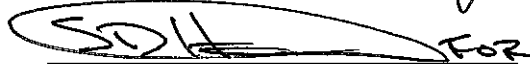
IN WITNESS OF THE FOREGOING, the parties have set their hands and seal the day and year first written above.

CITY OF FORT LAUDERDALE:


 John P. "Jack" Seiler, Mayor

ATTEST:


 Jonda Joseph, City Clerk

 FOR

Lee Feldman, City Manager


STANLEY D. HAWTHORNE,


Approved as to form:

ACTING


 Sr. Assistant City Attorney

WITNESSES:


 Print Name: BETSY LEWTER


 Print Name: CHARLENE SHAW

MOTOROLA SOLUTIONS, INC.:


By: 

Robert Marshall

MSSI Vice President/Director of Sales

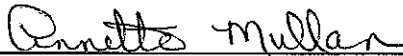
(Corporate Seal)

ATTEST:

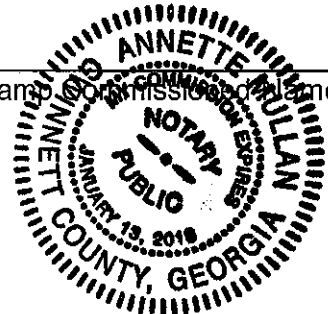

Judith Jean-Pierre
Assistant Secretary

STATE OF GEORGIA:
COUNTY OF GWINNETH:

The foregoing instrument was acknowledged before me this 15th day of JUNE, 2015, by Robert Marshall as MSSSI Vice President and Director of Sales for Motorola Solutions, Inc., a Delaware corporation authorized to transact business in the State of Florida.


Notary Public, State of Georgia
(Signature of Notary Public)

(Print, Type, or Stamp Commission Name
of Notary Public)



Personally Known OR Produced Identification

Type of Identification Produced: _____

Exhibit A

SOFTWARE LICENSE AGREEMENT

This Exhibit A Software License Agreement ("Agreement") is between Motorola Solutions, Inc., ("Motorola") and the City of Fort Lauderdale, FL ("Licensee"). For good and valuable consideration, the parties agree as follows:

Section 1 DEFINITIONS

1.1 "Designated Products" means products provided by Motorola to Licensee with which or for which the Software and Documentation is licensed for use.

1.2 "Documentation" means product and software documentation that specifies technical and performance features and capabilities, and the user, operation and training manuals for the Software (including all physical or electronic media upon which such information is provided).

1.3 "Open Source Software" means software with either freely obtainable source code, license for modification, or permission for free distribution.

1.4 "Open Source Software License" means the terms or conditions under which the Open Source Software is licensed.

1.5 "Security Vulnerability" means a flaw or weakness in system security procedures, design, implementation, or internal controls that could be exercised (accidentally triggered or intentionally exploited) and result in a security breach such that data is compromised, manipulated or stolen or the system damaged.

1.6 "Software" (i) means proprietary software in object code format, and adaptations, translations, de-compilations, disassemblies, emulations, or derivative works of such software; (ii) means any modifications, enhancements, new versions and new releases of the software provided by Motorola; and (iii) may contain one or more items of software owned by a third party supplier. The term "Software" does not include any third party software provided under separate license or third party software not licensable under the terms of this Agreement.

Section 2 SCOPE

Motorola and Licensee enter into this Agreement in connection with Motorola's delivery of certain proprietary Software or products containing embedded or pre-loaded proprietary Software, or both. This Agreement contains the terms and conditions of the license Motorola is providing to Licensee, and Licensee's use of the Software and Documentation.

Section 3 GRANT OF LICENSE

3.1. Subject to the provisions of this Agreement and the payment of applicable license fees, Motorola grants to Licensee a personal, limited, non-transferable (except as permitted in Section 7) and non-exclusive license under Motorola's copyrights and Confidential Information (as defined in the Primary Agreement) embodied in the Software to use the Software, in object code form, and the Documentation solely in connection with Licensee's use of the Designated Products. This Agreement does not grant any rights to source code.

3.2. If the Software licensed under this Agreement contains or is derived from Open Source

Software, the terms and conditions governing the use of such Open Source Software are in the Open Source Software Licenses of the copyright owner and not this Agreement. If there is a conflict between the terms and conditions of this Agreement and the terms and conditions of the Open Source Software Licenses governing Licensee's use of the Open Source Software, the terms and conditions of the license grant of the applicable Open Source Software Licenses will take precedence over the license grants in this Agreement. If requested by Licensee, Motorola will use commercially reasonable efforts to: (i) determine whether any Open Source Software is provided under this Agreement; (ii) identify the Open Source Software and provide Licensee a copy of the applicable Open Source Software License (or specify where that license may be found); and, (iii) provide Licensee a copy of the Open Source Software source code, without charge, if it is publicly available (although distribution fees may be applicable).

Section 4 LIMITATIONS ON USE

4.1. Licensee may use the Software only for Licensee's internal business or governmental purposes and only in accordance with the Documentation. Any other use of the Software is strictly prohibited. Without limiting the general nature of these restrictions, Licensee will not make the Software available for use by third parties on a "time sharing," "application service provider," or "service bureau" basis or for any other similar commercial rental or sharing arrangement.

4.2. Licensee will not, and will not allow or enable any third party to: (i) reverse engineer, disassemble, peel components, decompile, reprogram or otherwise reduce the Software or any portion to a human perceptible form or otherwise attempt to recreate the source code; (ii) modify, adapt, create derivative works of, or merge the Software; (iii) copy, reproduce, distribute, lend, or lease the Software or Documentation to any third party, grant any sublicense or other rights in the Software or Documentation to any third party, or take any action that would cause the Software or Documentation to be placed in the public domain; (iv) remove, or in any way alter or obscure, any copyright notice or other notice of Motorola's proprietary rights; (v) provide, copy, transmit, disclose, divulge or make the Software or Documentation available to, or permit the use of the Software by any third party or on any machine except as expressly authorized by this Agreement; or (vi) use, or permit the use of, the Software in a manner that would result in the production of a copy of the Software solely by activating a machine containing the Software. Licensee may make one copy of Software to be used solely for archival, back-up, or disaster recovery purposes; provided that Licensee may not operate that copy of the Software at the same time as the original Software is being operated. Licensee may make as many copies of the Documentation as it may reasonably require for the internal use of the Software.

4.3. Unless otherwise authorized by Motorola in writing, Licensee will not, and will not enable or allow any third party to: (i) install a licensed copy of the Software on more than one unit of a Designated Product; or (ii) copy onto or transfer Software installed in one unit of a Designated Product onto one other device. Licensee may temporarily transfer Software installed on a Designated Product to another device if the Designated Product is inoperable or malfunctioning, if Licensee provides written notice to Motorola of the temporary transfer and identifies the device on which the Software is transferred. Temporary transfer of the Software to another device must be discontinued when the original Designated Product is returned to operation and the Software must be removed from the other device. Licensee must provide prompt written notice to Motorola at the time temporary transfer is discontinued.

4.4. When using Motorola's Radio Service Software ("RSS"), Licensee must purchase a

separate license for each location at which Licensee uses RSS. Licensee's use of RSS at a licensed location does not entitle Licensee to use or access RSS remotely. Licensee may make one copy of RSS for each licensed location. Licensee shall provide Motorola with a list of all locations at which Licensee uses or intends to use RSS upon Motorola's request.

4.5. Licensee will maintain, during the term of this Agreement and for a period of two years thereafter, accurate records relating to this license grant to verify compliance with this Agreement. Motorola or an independent third party ("Auditor") may inspect Licensee's premises, books and records, upon reasonable prior notice to Licensee, during Licensee's normal business hours and subject to Licensee's facility and security regulations. Motorola is responsible for the payment of all expenses and costs of the Auditor. Any information obtained by Motorola and the Auditor will be kept in strict confidence by Motorola and the Auditor and used solely for the purpose of verifying Licensee's compliance with the terms of this Agreement.

Section 5 OWNERSHIP AND TITLE

Motorola, its licensors, and its suppliers retain all of their proprietary rights in any form in and to the Software and Documentation, including, but not limited to, all rights in patents, patent applications, inventions, copyrights, trademarks, trade secrets, trade names, and other proprietary rights in or relating to the Software and Documentation (including any corrections, bug fixes, enhancements, updates, modifications, adaptations, translations, de-compilations, disassemblies, emulations to or derivative works from the Software or Documentation, whether made by Motorola or another party, or any improvements that result from Motorola's processes or, provision of information services). No rights are granted to Licensee under this Agreement by implication, estoppel or otherwise, except for those rights which are expressly granted to Licensee in this Agreement. All intellectual property developed, originated, or prepared by Motorola in connection with providing the Software, Designated Products, Documentation or related services, remains vested exclusively in Motorola, and Licensee will not have any shared development or other intellectual property rights.

Section 6 LIMITED WARRANTY; DISCLAIMER OF WARRANTY

6.1. The commencement date and the term of the Software warranty will be a period of ninety (90) days from Motorola's delivery of the Software to the Licensee (the "Warranty Period"). If Licensee is not in breach of any of its obligations under this Agreement, Motorola warrants that the unmodified Software, when used properly and in accordance with the Documentation and this Agreement, will be free from a reproducible defect that eliminates the functionality or successful operation of a feature critical to the primary functionality or successful operation of the Software. Whether a defect occurs will be determined by Motorola solely with reference to the Documentation. Motorola does not warrant that Licensee's use of the Software or the Designated Products will be uninterrupted, error-free, completely free of Security Vulnerabilities, or that the Software or the Designated Products will meet Licensee's particular requirements. Motorola makes no representations or warranties with respect to any third party software included in the Software.

6.2 Motorola's sole obligation to Licensee and Licensee's exclusive remedy under this warranty is to use reasonable efforts to remedy any material Software defect covered by this warranty. These efforts will involve either replacing the media or attempting to correct significant, demonstrable program or documentation errors or Security Vulnerabilities. If Motorola cannot correct the defect within a reasonable time, then at Motorola's option, Motorola will replace the defective Software with functionally-equivalent Software, license to Licensee

substitute Software which will accomplish the same objective, or terminate the license and refund the Licensee's paid license fee.

6.3. Warranty claims are described in the Primary Agreement.

6.4. The express warranties set forth in this Section 6 are in lieu of, and Motorola disclaims, any and all other warranties (express or implied, oral or written) with respect to the Software or Documentation, including, without limitation, any and all implied warranties of condition, title, non-infringement, merchantability, or fitness for a particular purpose or use by Licensee (whether or not Motorola knows, has reason to know, has been advised, or is otherwise aware of any such purpose or use), whether arising by law, by reason of custom or usage of trade, or by course of dealing. In addition, Motorola disclaims any warranty to any person other than Licensee with respect to the Software or Documentation.

Section 7 TRANSFERS

Licensee will not transfer its rights to use the Software or Documentation, to any third party without Motorola's prior written consent. Motorola's consent may be withheld at its discretion and may be conditioned upon transferee paying all applicable license fees and agreeing to be bound by this Agreement. If the Designated Products are Motorola's radio products and Licensee transfers ownership of the Motorola radio products to a third party, Licensee may assign its right to use the Software (other than RSS and Motorola's FLASHport® software) which is embedded in or furnished for use with the radio products and the related Documentation; provided that Licensee transfers all copies of the Software and Documentation to the transferee, subject to applicable Florida law and regulations, and Licensee and the transferee sign a transfer form to be provided by Motorola upon request, obligating the transferee to be bound by this Agreement.

Section 8 TERM AND TERMINATION

8.1 Licensee's right to use the Software and Documentation will begin when the Primary Agreement is signed by both parties and will continue for the life of the Designated Products with which or for which the Software and Documentation have been provided by Motorola, unless Licensee breaches this Agreement, in which case this Agreement and Licensee's right to use the Software and Documentation may be terminated immediately upon notice by Motorola.

8.2 Within thirty (30) days after termination of this Agreement, Licensee must certify in writing to Motorola that except as otherwise provided by Florida law all copies of the Software have been removed or deleted from the Designated Products and that, except as otherwise provided by Florida law, all copies of the Software and Documentation have been returned to Motorola or destroyed by Licensee and are no longer in use by Licensee.

8.3 Licensee acknowledges that Motorola made a considerable investment of resources in the development, marketing, and distribution of the Software and Documentation and that Licensee's breach of this Agreement will result in irreparable harm to Motorola for which monetary damages would be inadequate. If Licensee breaches this Agreement, Motorola may terminate this Agreement and seek all available remedies at law or in equity (including immediate injunctive relief and repossession of all non-embedded Software and associated Documentation unless Licensee is a Federal agency of the United States Government).

Section 9 UNITED STATES GOVERNMENT LICENSING PROVISIONS

This Section applies if Licensee is the United States Government or a United States Government agency. Licensee's use, duplication or disclosure of the Software and Documentation under Motorola's copyrights or trade secret rights is subject to the restrictions set forth in subparagraphs (c)(1) and (2) of the Commercial Computer Software-Restricted Rights clause at FAR 52.227-19 (JUNE 1987), if applicable, unless they are being provided to the Department of Defense. If the Software and Documentation are being provided to the Department of Defense, Licensee's use, duplication, or disclosure of the Software and Documentation is subject to the restricted rights set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 (OCT 1988), if applicable. The Software and Documentation may or may not include a Restricted Rights notice, or other notice referring to this Agreement. The provisions of this Agreement will continue to apply, but only to the extent that they are consistent with the rights provided to the Licensee under the provisions of the FAR or DFARS mentioned above, as applicable to the particular procuring agency and procurement transaction.

Section 10 CONFIDENTIALITY

Licensee acknowledges that the Software and Documentation contain Motorola's valuable proprietary and Confidential Information as defined in the Primary Agreement.

Section 11 LIMITATION OF LIABILITY

The Limitation of Liability provision is described in the Primary Agreement.

Section 12 NOTICES

Notices are described in the Primary Agreement.

Section 13 GENERAL

13.1. **COPYRIGHT NOTICES.** The existence of a copyright notice on the Software will not be construed as an admission or presumption of publication of the Software or public disclosure of any trade secrets associated with the Software.

13.2. **COMPLIANCE WITH LAWS.** Licensee acknowledges that the Software is subject to the laws and regulations of the United States and Licensee will comply with all applicable laws and regulations, including export laws and regulations of the United States. Licensee will not, without the prior authorization of Motorola and the appropriate governmental authority of the United States, in any form export or re-export, sell or resell, ship or reship, or divert, through direct or indirect means, any item or technical data or direct or indirect products sold or otherwise furnished to any person within any territory for which the United States Government or any of its agencies at the time of the action, requires an export license or other governmental approval. Violation of this provision is a material breach of this Agreement.

13.3. **ASSIGNMENTS AND SUBCONTRACTING.** Motorola may assign its rights or subcontract its obligations under this Software License Agreement, or encumber or sell its rights in any Software, without prior notice to or consent of Licensee.

13.4. **GOVERNING LAW.** This Agreement is governed by the laws of the United States to the

extent that they apply and otherwise by the internal substantive laws of the State of Florida. Venue for any lawsuit by either party against the other party or otherwise arising out of this Agreement and for any other legal proceeding shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida. The terms of the U.N. Convention on Contracts for the International Sale of Goods do not apply. In the event that the Uniform Computer Information Transaction Act, any version of this Act, or a substantially similar law (collectively "UCITA") becomes applicable to a party's performance under this Agreement, UCITA does not govern any aspect of this Agreement or any license granted under this Agreement, or any of the parties' rights or obligations under this Agreement. The governing law will be that in effect prior to the applicability of UCITA.

13.5. **THIRD PARTY BENEFICIARIES.** This Agreement is entered into solely for the benefit of Motorola and Licensee. No third party has the right to make any claim or assert any right under this Agreement, and no third party is deemed a beneficiary of this Agreement. Notwithstanding the foregoing, any licensor or supplier of third party software included in the Software will be a direct and intended third party beneficiary of this Agreement.

13.6. **SURVIVAL.** Sections 4, 5, 6.3, 7, 8, 9, 10, 11 and 13 survive the termination of this Agreement.

13.7. **ORDER OF PRECEDENCE.** In the event of inconsistencies between this Exhibit and the Primary Agreement, the parties agree that this Exhibit prevails, only with respect to the specific subject matter of this Exhibit, and not the Primary Agreement or any other exhibit as it applies to any other subject matter.

13.8 **SECURITY.** Motorola uses reasonable means in the design and writing of its own Software and the acquisition of third party Software to limit Security Vulnerabilities. While no software can be guaranteed to be free from Security Vulnerabilities, if a Security Vulnerability is discovered, Motorola will take the steps set forth in Section 6 of this Agreement.

Exhibit B

Motorola's Proposal dated May 13, 2015



Motorola Solutions, Inc.
8000 W Sunrise Blvd.
Plantation, FL 33322
USA

Telephone: +1 954-789-8817
Fax: +1 847-761-1919

13 May 2015

Mike Maier
City of Fort Lauderdale
100 North Andrews Avenue
Fort Lauderdale, FL 33301

Subject: Public Safety Communications Life Cycle Upgrade

Dear Mr. Maier:

Motorola Solutions, Inc. (Motorola) is pleased to have the opportunity to provide the City of Fort Lauderdale (City) with quality communications equipment and services. The Motorola project team has taken great care to propose a solution that will meet your needs and provide unsurpassed value.

To best meet the functional and operational requests the City has regarding the City's public safety user's communication, Motorola's solution includes a combination of hardware, software, and services. Motorola has proposed the following (detailed in our proposal):

- 3-site FDMA, P25, simulcast, 12-channel upgrade.
- Radio software flash upgrades to utilize the City's current radio inventory.
- Warranty and maintenance for the upgraded system for 5 years.
- Continued operation of the SmartX SmartZone system for local government.
- Maintenance for subscribers, MERS trailer, microwave backhaul and fire house alerting for 4 years.
- Both systems will both be connected to the Motorola South Florida Hosted Master Site, allowing continued interoperability with other agencies within the County.

The City may accept this proposal by delivering the signed communication agreement contracts within this proposal. The term of this contract is 5 years. Motorola would be pleased to address any concerns the City may have regarding the proposal. Any questions can be directed to your Motorola Account Executive, Mitch Nowak, at 954-789-8817. This contract will be thirty days from the date on this cover letter.

We thank you for the opportunity to furnish the City of Fort Lauderdale with "best in class" solutions and we hope to strengthen our relationship by implementing this project. Our goal is to provide you with the best products and services available in the communications industry.

Sincerely,

Motorola Solutions, Inc.

Robert E. Marshall Jr.
MSSI Vice President

Exhibit C
Service Terms and Conditions

The Service Terms and Conditions from the existing Service Agreement Nos. S00001021096 and S00001002125 (the "Service Agreements"), including the applicable Statements of Work, for maintenance are hereby fully incorporated into this Agreement. Upon execution of the Primary Agreement and at the end of the Warranty Period in the Primary Agreement:

- 1) these two Service Agreements will be merged into one Service Agreement, i.e., Service Agreement No. S00001002125;
- 2) the new Equipment furnished under the Primary Agreement will be added to S00001002125; and
- 3) the payment terms for post warranty maintenance will be as follows:

Section 1 PAYMENT TERMS

Unless alternative payment terms are stated in this Agreement, Motorola will invoice CITY in advance for each annual payment period. All other charges will be billed monthly, and CITY must pay each invoice in U.S. dollars within forty-five (45) days of the invoice date. CITY will reimburse Motorola for any applicable property taxes, sales and use taxes, excise taxes, and other taxes or assessments that are levied as a result of Services rendered under this Agreement (except income, profit, and franchise taxes of Motorola) by any governmental entity.

Section 2 RECORD MANAGEMENT

Notwithstanding any other provision contained in this Agreement, Motorola shall:

- (a) Keep and maintain public records that ordinarily and necessarily would be required by the CITY in order to perform the service.
- (b) Provide the public with access to public records on the same terms and conditions that the CITY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2014), as may be amended or revised, or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (d) Meet all requirements for retaining public records and transfer, at no cost, to the CITY, all public records in possession of the contractor upon termination of this contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the CITY in a format that is compatible with the information technology systems of the CITY.

Except as set forth in this Exhibit C, all other terms and conditions in the existing Service Agreement Nos. S00001021096 and S00001002125 remain unchanged.

Exhibit D
System Acceptance Certificate

CITY Name: _____

Project Name: _____

This System Acceptance Certificate memorializes the occurrence of System Acceptance. Motorola and CITY acknowledge that:

1. The Acceptance Tests set forth in the Acceptance Test Plan have been successfully completed.
2. The System is accepted.

CITY Representative:

Motorola Representative:

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

FINAL PROJECT ACCEPTANCE:

Motorola has provided and CITY has received all deliverables, and Motorola has performed all other work required for Final Project Acceptance.

CITY Representative:

Motorola Representative:

Signature: _____

Signature: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

SOP E-75 DELEGATION OF AUTHORITY

I, **Jack Molloy**, Senior Vice President of **Motorola Solutions, Inc.** ("Company"), North America Government Sales & Product Operations ("Division") do hereby delegate my authority to approve and execute in the name of and on behalf of the Company, **Motorola Solutions Canada Inc., Emergency CallWorks, Inc., Public Engines, Inc., Twisted Pair Solutions, Inc., and Vertex Standard USA, Inc.** contract documents (pursuant to Company policy), to the below named individuals with the following dollar and other limitations as specified and explicitly set out below.

Delegation to approve and execute the following Contract documents:

Customer purchase and sale contracts, contract modifications, bids, proposals, bidder list applications, certifications, software licenses, non-disclosure agreements relating to customer sales opportunities, teaming agreements relating to customer sales opportunities, lobbyist agreements, subcontractor documents and other contract documents related to **direct government sales** on behalf of the **Company or Motorola Solutions Canada Inc.**

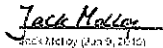
To:	Value
Robert Marshall	\$ 10,000,000

This Delegation of Authority granted herein shall not be delegable or assignable to any other person and shall expire on May 31, 2016.

The authority delegated to the above-named individuals is in addition to the authority such individuals may have to approve and execute contract documents as an officer of the Company.

This Delegation can be revoked by me at any time and will automatically expire for any named individual if he or she ceases to be an employee of the Company or if he or she is assigned a different position within the Company. If a named individual is assigned a different position within the Company, the named successor is automatically given the designated authority unless a letter is provided stating otherwise.

IN WITNESS WHEREOF, I have executed this delegation of authority as of June 1, 2015.


Jack Molloy (June 9, 2015)

Jack Molloy
Senior Vice President, Sales & Product Operations, North America
Motorola Solutions, Inc.

SOP E-75 DELEGATION OF AUTHORITY

I, **Jack Molloy**, Senior Vice President of **Motorola Solutions, Inc.** ("Company"), North America Government Sales & Product Operations ("Division") do hereby delegate my authority to approve and execute in the name of and on behalf of the Company, **Motorola Solutions Canada Inc., Emergency CallWorks, Inc., Public Engines, Inc., Twisted Pair Solutions, Inc., and Vertex Standard USA, Inc.** contract documents (pursuant to Company policy), to the below named individuals with the following dollar and other limitations as specified and explicitly set out below.

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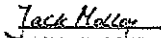
To:	Value
Robert Marshall	\$ 10,000,000

This Delegation of Authority granted herein shall not be delegable or assignable to any other person and shall expire on May 31, 2016.

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This Delegation can be revoked by me at any time and will automatically expire for any named individual if he or she ceases to be an employee of the Company or if he or she is assigned a different position within the Company. If a named individual is assigned a different position within the Company, the named successor is automatically given the designated authority unless a letter is provided stating otherwise.

IN WITNESS WHEREOF, I have executed this delegation of authority as of June 1, 2015.


Jack Molloy (June 9, 2015)

Jack Molloy
Senior Vice President, Sales & Product Operations, North America
Motorola Solutions, Inc.

CERTIFICATE OF ASSISTANT SECRETARY
MOTOROLA SOLUTIONS, INC.

The undersigned certifies that he or she is a duly appointed Assistant Secretary of Motorola Solutions, Inc. (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, and that, as such, he or she is authorized to execute this Certificate on behalf of the Company, and further certifies that:

1. At a meeting of the Board of Directors of the Company held on May 19, 2015 at which a quorum was present and acting throughout, the following resolutions were duly adopted, effective May 19, 2015, have not been amended, and are in full force and effect on the date hereof:

RESOLVED, that all Senior Vice Presidents be, and each one of them is, authorized to sign and execute all agreements, contracts, bids, proposals, deeds, assignments, powers of attorney, performance guarantees, performance guarantee undertakings, instruments, documents, claims, including claims against the United States, and certifications of such claims, in the ordinary course of business of the Company and related to his or her work as a Senior Vice President of one of the Company's businesses, groups or corporate departments, all of which are collectively referred to as "Documents", provided that this authority does not extend to:

a. Documents having a value in excess of \$50 million in the aggregate over the term of the arrangement; or

b. Documents related to: (i) acquisitions, divestures, joint ventures and equity investments, (ii) outsourcing arrangements, (iii) customer financing extending more than 364 days, (iv) capital expenditures, (v) lease commitments, (vi) agreements and compensatory arrangements applicable to Motorola Solutions Appointed Vice Presidents and above, (vii) litigation and legal claims, (viii) appointing agents and attorneys-in-fact to represent the Company before any customs agency, (ix) financial guarantees, financial surety agreements and financial guarantee undertakings, (x) opening bank accounts, (xi) establishing borrowing relationships on behalf of the Company, and (xii) voting or otherwise dealing with securities owned by the Company. Authority for such Documents is found in the specific resolutions below.

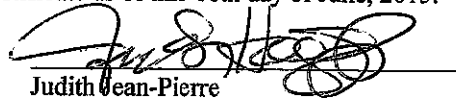
RESOLVED, that the Board has adopted specific resolutions authorizing the signing and execution by Senior Vice Presidents of Documents related to procurement arrangements. Authority for such Documents is found in the specific resolutions below.

The officers named above are authorized to delegate this signature authority in writing to others.

2. The following person is a duly qualified and acting officer of the Company and has been duly elected to the office set forth opposite his or her name:

Name	Title
Jack Molloy	Senior Vice President

IN WITNESS WHEREOF, I have executed this Certificate as of this 16th day of June, 2015.


Judith Jean-Pierre
Assistant Secretary

CERTIFICATE OF ASSISTANT SECRETARY
MOTOROLA SOLUTIONS, INC.

The undersigned certifies that he or she is a duly appointed Assistant Secretary of Motorola Solutions, Inc. (the "Company"), a corporation duly organized and existing under the laws of the State of Delaware, and that, as such, he or she is authorized to execute this Certificate on behalf of the Company, and further certifies that:

1. At a meeting of the Board of Directors of the Company held on May 19, 2015 at which a quorum was present and acting throughout, the following resolutions were duly adopted, effective May 19, 2015, have not been amended, and are in full force and effect on the date hereof:

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a. Documents having a value in excess of \$50 million in the aggregate over the term of the arrangement; or

b. Documents related to: (i) acquisitions, divestures, joint ventures and equity investments, (ii) outsourcing arrangements, (iii) customer financing extending more than 364 days, (iv) capital expenditures, (v) lease commitments, (vi) agreements and compensatory arrangements applicable to Motorola Solutions Appointed Vice Presidents and above, (vii) litigation and legal claims, (viii) appointing agents and attorneys-in-fact to represent the Company before any customs agency, (ix) financial guarantees, financial surety agreements and financial guarantee undertakings, (x) opening bank accounts, (xi) establishing borrowing relationships on behalf of the Company, and (xii) voting or otherwise dealing with securities owned by the Company. Authority for such Documents is found in the specific resolutions below.

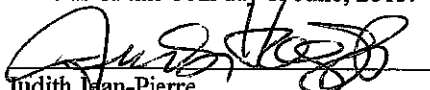
RESOLVED, that the Board has adopted specific resolutions authorizing the signing and execution by Senior Vice Presidents of Documents related to procurement arrangements. Authority for such Documents is found in the specific resolutions below.

The officers named above are authorized to delegate this signature authority in writing to others.

2. The following person is a duly qualified and acting officer of the Company and has been duly elected to the office set forth opposite his or her name:

Name	Title
Jack Molloy	Senior Vice President

IN WITNESS WHEREOF, I have executed this Certificate as of this 16th day of June, 2015.


Judith Jean-Pierre
Assistant Secretary



Memorandum

Memorandum No: 15-128

Date: June 19, 2015

To: Honorable Mayor and Commissioners

From: Lee R. Feldman, ICMA-CM, City Manager 

Re: Designation of Acting City Manager – June 25-26, 2015

I will be out of the office from Thursday, June 25th through Friday, June 26th. During this time, Assistant City Manager Stanley Hawthorne (cell phone 954-683-0403) will be the Acting City Manager.

I will be available by cell phone (954-999-2115) should you wish to contact me.

C: Susanne M. Torriente, Assistant City Manager
Stanley D. Hawthorne, Assistant City Manager
Cynthia A. Everett, City Attorney
Jonda K. Joseph, City Clerk
John C. Herbst, City Auditor
Community Building Leadership Team (CBLT)
Department Directors
CMO Managers



SERVICES AGREEMENT

Attn: National Service Support/4th fl
 1301 East Algonquin Road
 (800) 247-2346

Contract Number: S00001002125
 Contract Modifier: RN04-MAY-15 08:37:40

Date: 05/14/2015

Company Name:	Fort Lauderdale, City Of
Attn:	
Billing Address:	100 N Andrews Ave 6th Flr
City, State, Zip:	Fort Lauderdale, FL, 33301
Customer Contact:	
Phone:	

Required P.O.: No
 Customer #: 1011657600
 Bill to Tag #: 0001
 Contract Start Date: 10/01/2015
 Contract End Date: 09/30/2016
 Anniversary Day: Sep 30th
 Payment Cycle: MONTHLY
 PO #:

QTY	MODEL/OPTION	SERVICES DESCRIPTION	MONTHLY EXT	EXTENDED AMT
		Total Services	\$35,955.43	\$431,465.16
SPECIAL INSTRUCTIONS - ATTACH STATEMENT OF WORK FOR PERFORMANCE DESCRIPTIONS		Subtotal - Recurring Services		
		Subtotal - One-Time Event Services		
		Total	\$35,955.43	\$431,465.16
		Taxes	-	-
SERVICE CONTRACT INCLUDES THE FOLLOWING: DISPATCHING, TECHNICAL SUPPORT, ON SITE INFRASTRUCTURE RESPONSE, INFRASTRUCTURE REPAIR WITH ADVANCED REPLACEMENT, RADIO REPAIR, FIRE HOUSE ALERTING, SEMI ANNUAL PM ON MERS UNIT, AND MICROWAVE REPAIR. SEE ATTACHED INVENTORY FOR EQUIPMENT COVERED.		Grand Total	\$35,955.43	\$431,465.16
		THIS SERVICE AMOUNT IS SUBJECT TO STATE AND LOCAL TAXING JURISDICTIONS WHERE APPLICABLE, TO BE VERIFIED BY MOTOROLA.		
		Subcontractor(s)	City	State
		MOTOROLA SOUTH FLORIDA FSO	PLANTATION	FL
		MOTOROLA RADIO SUPPORT CENTER	ELGIN	IL
		MOTOROLA SYSTEM SUPPORT CENTER	ELGIN	IL
		RADIO SUPPORT CENTER	ELGIN	IL
		MOTOROLA SYSTEM SUPPORT CTR-CALL CENTER DO066	SCHAUMBURG	IL
		MOTOROLA SYSTEM SUPPORT-TECHNICAL SUPPORT DO068	SCHAUMBURG	IL

I received Statements of Work that describe the services provided on this Agreement. Motorola's Service Terms and Conditions, a copy of which is attached to this Service Agreement, is incorporated herein by this reference.

AUTHORIZED CUSTOMER SIGNATURE _____ TITLE _____ DATE _____

CUSTOMER (PRINT NAME) _____

MOTOROLA REPRESENTATIVE(SIGNATURE)	TITLE	DATE
Cindee Markes	954-723-4718	
MOTOROLA REPRESENTATIVE(PRINT NAME)	PHONE	

Company Name: Fort Lauderdale, City Of
Contract Number: S00001002125
Contract Modifier: RN04-MAY-15 08:37:40
Contract Start Date: 10/01/2015
Contract End Date: 09/30/2016

<u>Qty</u>	<u>Infrastructure Equipment Description</u>
8	TeNsr Channel Banks
2	Genwatch Computers (Hardware only)
6	Quantar Repeaters (2 at PD, Utilities & Playa Del Sol)
3	MIP5000 Consoles (PD) warranty expired 9-30-2015
3	MIP5000 Consoles (Utilities) warranty expired 9-30-2015
3	TRAK GPS Units
8	MNI Proteus M Series Microwave Radios
1	Microwave Management Terminal
63	MSF5000 SmartZone
9	Quantro SmartZone
4	6809 ReSC controller
2	6809 Prime Site Controller
1	T-Bar
3	Quantar Recievers (Playa only)
2	Astro-Tac Receivers (Playa only)
26	Digitac Comparators
16	MC3000 Digital Deskset
12	Digital Junction Box
11	Fire Stations (see attached spreadsheet for equipment details)
1	MERS Trailer (Semi-annual PM) to include:
	(1) GTR8000 "6Pack" (P25 system, 6 Channel)
	(3) Auto Tune Combiner #1
	(3) 48Volt Power Supply
	(1) Router
	(1) 16 Port Receiver Multicoupler
	(1) 16 Port Expansion Kit
	(6) Quantar IR (4.1 IR System, 6 Channel)

<u>Qty</u>	<u>Subscriber Equipment</u>
78	WPLN4121BR Impress Multi Unit Charger
10	WPLN4108BR Impress Multi Unit Charger
5	WPPN4065BR Multi Unit Battery Conditioner
1006	XTS5000 Portable
336	XTS1500 Portable
188	XTS2500 Portable
22	XTL5000 Consolettes
41	MT1500 Portable
6	XTL1500 Mobile
309	XTL2500 Mobile
28	XTL5000 Mobile UHF
57	XTL5000 Dual Head
16	CDM1250

For equipment that is out of support, Motorola Solutions Inc. will continue to provide our contracted response time to support your Radio System. However we can no longer guarantee more than a Commerically Reasonable Effort to Infrastructure Components which are no longer supported.

Customer Name: Fort Lauderdale Fire House Alerting Locations Start Date: 10/1/2015

FHAS2E131	3	Stn 2, 528 NW 2nd Street, Fort Lauderdale FL 33301 Model 6 Decoder
FHAS2E132	1	Stn 3, 2801 SW 4th Ave, Fort Lauderdale FL 33312 Model 6203 Zetron Primary Decoder
	1	Model 6204 Zetron Secondary Decoder
FHAS2E133	1	Stn 13, 2871 E Sunrise Blvd, Fort Lauderdale FL 33305 Model 6 Decoder
FHAS2E134	1	Stn 16, 533 NE 22nd Street, Wilton Manor FL 33304 Model 6 Decoder
FHAS2E135	1	Stn 29, 2002 NE 16th Street, Fort Lauderdale 33304 Model 6203 Zetron Primary Decoder
	1	Model 6204 Zetron Secondary Decoder
FHAS2E136	1	Stn 35, 1969 E Commercial Blvd, Fort Lauderdale FL 33308 Model 6203 Zetron Primary Decoder
	1	Model 6204 Zetron Secondary Decoder

Customer Name: Fort Lauderdale Fire House Alerting Locations **Start Date:** 10/1/2015

FHAS2E137 **Stn 46, 1515 NW 19th Street, Fort Lauderdale, FL 33311**
prorated for 1 Model 6203 Zetron Primary Decoder
2 months 1 Model 6204 Zetron Secondary Decoder

FHAS2E138 **Stn 47, 1000 SW 27 Ave, Fort Lauderdale FL 33312**
2 Model 6 Decoder

FHAS2E139 **Stn 49, 500 Seabreeze Blvd, Fort Lauderdale FL 33316**
1 Model 6203 Zetron Primary Decoder
1 Model 6204 Zetron Secondary Decoder

FHAS2E1310 **Stn 53/88, 2200 Executive Airport Way, Fort Lauderdale FL 33312**
2 Model 6 Decoder

FHAS2E1311 **Stn 54, 3200 NE 32nd Street, Fort Lauderdale FL 33308**
1 Model 6 Decoder

Additional Equipment Regarding Fire Alerting

- 3 Model 26 Encoders
- 2 Quantar Repeaters

iSolutions Service Agreement

This iSolutions Service Agreement is entered into by and between Motorola Solutions Inc. ("Motorola") and the customer named in this Agreement, City of Fort Lauderdale ("City" or "Customer").

Section 1 DEFINITIONS

"Agreement" means this iSolutions Service Agreement and its Attachments, if any, which are attached hereto and incorporated herein by this reference. "Equipment" means the communication equipment that is specified in the Attachments or that is subsequently added to this Agreement. "Services(s)" means those installation, maintenance, repair, support, training, and other services referred to both herein and in the Attachments.

The Attachments listed below are incorporated into and made a part of this Agreement.

Statements of Work

Section 2 ACCEPTANCE

Customer agrees to accept the terms of this Agreement and to pay the prices set forth herein. The terms and conditions set forth in this Agreement and in the Attachments will become binding only when accepted in writing by Motorola. The term of this Agreement will commence on the date specified in this Agreement, including any Attachments ("Start Date").

Section 3 SCOPE OF SERVICES

3.1. Motorola will provide the Services generally described in this Agreement. Certain Services may require more particular description or definition, or may require detailed Statement(s) of Work. If particular descriptions or detailed Statement(s) of Work are required, and are therefore attached to this Agreement, Motorola and Customer hereby agree to be bound by any additional terms included in those Attachments, which are fully incorporated in this Agreement as set forth in Section 1.

3.2. Motorola may also provide additional services ("Additional Services") at Customer's request. Such Additional Services will be billed at Motorola's then-applicable rates for such services.

3.3. If Motorola is providing Services for Equipment: (i) Motorola parts or parts of equal quality will be used; (ii) the Equipment will be Serviced at levels set forth in Motorola's product manuals; and, (iii) routine service procedures that are prescribed from time to time by Motorola for its products will be followed.

3.4. Any equipment purchased by Customer from Motorola that is or becomes part of the same communications system as the Equipment covered under this Agreement ("Additional Equipment") will be automatically added to this Agreement and, subject to Customer's approval or disapproval, will be billed at the applicable rates after the warranty period has expired.

3.5. All Equipment must be in good working order on the Start Date or at the time the Equipment is added to the Agreement. Customer must provide a complete serial and model number list either prior to the Start Date or prior to the time that the Equipment is added to the Agreement.

3.6. Customer must specifically identify any Equipment that is labeled intrinsically safe for use in hazardous environments.

3.7. Customer must promptly notify Motorola in writing when any Equipment is lost, damaged, stolen or taken out of service. Customer's obligation to pay Service fees for such Equipment will terminate at the end of the month in which Motorola receives such written notice.

3.8. If Equipment cannot, in Motorola's opinion, be properly or economically serviced for any reason including excessive wear, unavailability of parts, the state of technology, or the practical feasibility of the

scope of Services as specified in this Agreement, Motorola may: (i) modify the scope of Services related to such Equipment; (ii) remove such Equipment from the Agreement; or (iii) increase the price to Service such Equipment.

3.9. Customer must promptly notify Motorola directly of any Equipment failure. Motorola will respond to Customer's notification in a manner consistent with the level of Service purchased as indicated in this Agreement.

Section 4 EXCLUDED SERVICES

4.1. Service does not include the repair or replacement of Equipment that has become defective or damaged due to physical or chemical misuse or abuse from causes such as lightning, power surges, or liquids.

4.2. Unless specifically included in this Agreement, Service does not include repair or maintenance of any transmission line, antenna, tower or tower lighting. Motorola has no obligation or responsibility for any transmission medium, such as telephone lines, computer networks, the internet or the worldwide web, or for Equipment malfunction caused by such transmission medium.

4.3. Unless specifically included in this Agreement, Service does not include items that are consumed in the course of normal operation of the Equipment, such as, but not limited to, batteries, magnetic tapes, etc.

4.4. Unless specifically set forth in this Agreement, Service does not include upgrading or reprogramming of Equipment; accessories, belt clips, battery chargers, custom or Special Products, modified units, or software.

4.5. Service does not include certification programs, software support, reprogramming of Software or modifications to Equipment related to assuring the correct processing, providing, or receiving of date data from, into, or between the year 1999 and the year 2000.

Section 5 RIGHT TO SUBCONTRACT/ASSIGNMENT

Subject to the City's prior approval, which will not be unreasonably withheld, Motorola may assign its rights and obligations under this Agreement and may subcontract any portion of Motorola's performance called for by this Agreement. Any subcontracting will require the written approval of the City.

Section 6 TIME AND PLACE OF SERVICE

Service will be provided at the location specified in this Agreement. When Motorola performs service at Customer's location, Customer agrees to provide Motorola, at no charge, a non-hazardous work environment with shelter, heat, light, and power and with full and free access to the Equipment. Waivers of liability from Motorola and/or its subcontractors will not be imposed as a site access requirement. Customer will provide all information pertaining to the hardware and software elements of any system with which the Equipment is interfacing that enable Motorola to perform its obligations under this Agreement.

Section 7 CONTACT

Customer will provide Motorola with designated points of contact (list of names and phone numbers) that will be manned twenty-four (24) hours per day, seven (7) days per week and an escalation procedure to enable Customer's personnel to maintain contact, as needed, with Motorola.

Section 8 PAYMENT

Unless alternative payment terms are specifically set forth in this Agreement, Motorola will invoice Customer in advance for each payment period. All other charges will be billed monthly, and Customer must pay each invoice in U.S. dollars within thirty (30) days of the invoice date. Customer agrees to reimburse Motorola for any applicable property taxes, sales and use taxes, excise taxes, or other

applicable taxes or assessments levied as a result of Services rendered under this Agreement (except income, profit, and franchise taxes of Motorola) by any governmental entity.

Section 9 WARRANTY

Motorola warrants that its Services under this Agreement will be free of defects in materials and workmanship for a period of ninety (90) days following completion of those Services. In the event of a breach of this warranty, Customer's sole remedy is to require Motorola to re-perform the non-conforming Service or to refund, on a pro-rata basis, the fees paid for the non-conforming Service. MOTOROLA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Section 10 CERTIFICATION DISCLAIMER

Motorola specifically disclaims all certifications regarding the manner in which Motorola conducts its business or performs its obligations under this Agreement, unless such certifications have been expressly accepted and signed by a Motorola authorized signatory.

Section 11 DEFAULT/TERMINATION

11.1. In the event that any sum of money owed by Customer is not paid when due and remains unpaid for a period of sixty (60) days after receipt by Customer of written notice of such delinquency, Motorola may terminate this Agreement effective upon seven (7) days written notice. If either party defaults in the performance of any other of its obligations set forth in this Agreement and the default remains uncured for a period of thirty (30) days after receipt by such party of written notice from the other party detailing the specific contractual obligation and the nature of the default there under, then the injured party, in addition to any other rights available to it under law, may immediately terminate this Agreement effective upon the giving of notice in writing to the defaulting party.

11.2. Any termination of this Agreement will not relieve either party of obligations previously incurred pursuant to this Agreement, including but not limited to payments which may be due and owing at the time of termination. Upon the effective date of termination, Motorola will have no further obligation to provide Services.

11.3. All sums owed by Customer to Motorola will become due and payable immediately upon termination of this Agreement.

Section 12 LIMITATION OF LIABILITY

Notwithstanding any other provision, except for personal injury or death, and as otherwise permitted by law, Motorola's total liability for losses, whether for breach of contract, negligence, warranty, or strict liability in tort, is limited to the price of the previous twelve months of Services provided under this Agreement. IN NO EVENT WILL MOTOROLA BE LIABLE FOR LOSS OF USE, LOSS OF TIME, INCONVENIENCE, LIQUIDATED DAMAGES, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS, OR OTHER INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW. Nothing herein shall be interpreted or construed as a waiver of the protections, immunities, or limitations of liability afforded Customer as a government entity pursuant to Section 768.28, Florida Statutes.

Section 13 EXCLUSIVE TERMS AND CONDITIONS

13.1. Customer acknowledges that this Agreement supersedes all prior and concurrent agreements and understandings, whether written or oral, related to the Services performed. Neither the Agreement nor the Attachments may be altered, amended, or modified except by a written agreement signed by authorized representatives of both parties.

13.2. In the event of a conflict between the main body of this Agreement and any Attachments, the main body of this Agreement will take precedence, unless the Attachment specifically states otherwise.

13.3. Customer agrees to reference this Agreement on any purchase order(s) issued in furtherance of this Agreement. Neither party shall be bound by any terms contained in Customer's purchase order(s), acknowledgements or other writings unless: (i) such purchase order(s), acknowledgements or other writings specifically refer to this Agreement; (ii) clearly indicate the intention of both parties to override and modify this Agreement; and (iii) such purchase order(s), acknowledgements or other writings are signed by duly authorized representatives of both parties.

Section 14 PROPRIETARY INFORMATION; CONFIDENTIALITY; PUBLIC RECORDS

14.1. Except as otherwise provided by the Florida public records laws, any information or data in the form of specifications, drawings, reprints, technical information or otherwise furnished to Customer under this Agreement and marked "Confidential" will remain Motorola's property, will be deemed proprietary, will be kept confidential, and will be promptly returned at Motorola's request. Customer may not disclose, without Motorola's written permission, except as required by the Florida Public Records Law, any such information or data to any person, or use such information or data itself for any purpose other than performing its obligations under this Agreement. The obligations set forth in this Section will survive the cancellation, termination, or completion of this Agreement.

14.2 Motorola acknowledges that Customer is subject to the Florida Public Records Law. Absent an applicable exemption, all records made or received by Customer in connection with this Agreement are public records open for inspection and copying at any reasonable time. If Customer receives a request for inspection or copying of written materials received from Motorola in connection with this Agreement, Customer will endeavor to provide prompt written notice to Motorola prior to granting any such request, except that such procedure shall not serve as an automatic delay of the City's provision of records in response to a public records request.

14.3. Motorola will have no obligation to provide Customer with access to its confidential and proprietary information, including cost and pricing data.

Section 15 FCC LICENSES AND OTHER AUTHORIZATIONS

Customer is solely responsible for obtaining licenses or other authorizations required by the Federal Communications Commission or any other federal, state, or local government agency and for complying with all rules and regulations required by such agencies. Neither Motorola nor any of its employees is an agent or representative of Customer in any governmental matters.

Section 16 OWNERSHIP OF INTELLECTUAL PROPERTY

This Agreement does not grant directly or by implication, estoppel, or otherwise, any ownership right or license under any Motorola patent, copyright, trade secret, or other intellectual property including any intellectual property created as a result of or related to the Services performed under this Agreement.

Section 17 MATERIALS, TOOLS AND EQUIPMENT

All tools, equipment, dies, gauges, models, drawings or other materials paid for or furnished by Motorola for the purpose of this Agreement, and not purchased or owned by Customer, will be and remain the sole property of Motorola. Customer will safeguard all such property while it is in Customer's custody or control, be liable for any loss or damage to such property, ordinary wear and tear excepted, and return it to Motorola upon request. Such property will be held by Customer for Motorola's use without charge and may be removed from Customer's premises by Motorola at any reasonable time.

Section 18 GENERAL TERMS

18.1. If any court of competent jurisdiction renders any portion of this Agreement unenforceable, the remaining terms will continue in full force and effect.

18.2. This Agreement and the rights and duties of the parties will be governed and interpreted in accordance with the laws of the State of Florida. Venue for any lawsuit by one party against the other or otherwise arising out of this Agreement, and for any other legal proceeding, shall be in Broward County, Florida, and in the event of federal jurisdiction, in the Southern District of Florida.

18.3. Failure to exercise any right will not operate as a waiver of that right, power, or privilege.

18.4. Neither party is liable for delays or lack of performance resulting from any causes such as strikes, material shortages, or acts of God that are beyond that party's reasonable control.

18.5. Subject to the City's prior approval, which will not be unreasonably withheld, Motorola may assign its rights and obligations, and may subcontract any portion of its performance, under this Agreement.

18.6 The City of Fort Lauderdale does not wish to enter into an auto-renewal agreement. Therefore this Agreement shall terminate on September 30, 2016. The City may cancel this service agreement upon providing 30 days written notice to Motorola. The cancelation will take place on the first of the following month.

18.7 Motorola shall, upon execution of this Agreement, as a condition precedent to this Agreement, provide to the Customer a certificate of commercial general liability insurance with a reputable insurance company authorized to issue insurance policies in the State of Florida, subject to reasonable approval by the Customer's risk manager, in an amount not less than \$1,000,000 limit for bodily injury and property damage, including coverage for independent contractors, and liability assumed under the indemnification provision of this Agreement. Motorola shall, upon execution of this Agreement, as a condition precedent to this Agreement, provide to the Customer a certificate of business auto liability insurance with a reputable insurance company authorized to issue insurance policies in the State of Florida, subject to reasonable approval by the Customer's risk manager, in a amount not less than \$1,000,000 per occurrence combined single limit for bodily injury and property damage, or \$250,000 bodily injury each person, \$500,000 bodily each occurrence, and \$100,000 property damage each occurrence, including coverage for owned autos and other vehicles, hired autos and other vehicles, heavy equipment, non-owned autos and other vehicles. The commercial general liability insurance policy shall list the City of Fort Lauderdale, a Florida municipality, as an additional insured. In addition, Motorola shall, upon execution of this Agreement, as a condition precedent to this Agreement, provide to the Customer a certificate of worker's compensation insurance, including employer's liability in an amount not less than \$500,000, with a reputable insurance company authorized to issue insurance policies in the State of Florida, subject to reasonable approval by the Customer's risk manager, in compliance with all applicable state and federal laws. Motorola shall mail to the Customer at least thirty (30) days' written notice addressed to the Customer's risk manager, prior to cancellation or material modification of any required insurance.

18.8 General indemnity by Motorola. Motorola will defend at Motorola's expense, indemnify and hold Customer, and Customer's officers and employees, harmless from any and all liability, expense, judgment, suit, cause of action, or demand for personal injury, death, or direct damage to tangible property, including any award of attorney's fees and any award of costs, which may accrue against Customer, or against Customer's officers and employees, or any of them, to the extent it is caused by the negligence of Motorola, any of Motorola's subcontractors, or Motorola's subcontractors' employees or agents, or any of them, while performing their duties under this Agreement, if Customer gives Motorola reasonably prompt, written notice of any claim or suit after it has knowledge of same. Customer will cooperate with Motorola in its defense or settlement of the claim or suit. This section sets forth the full extent of Motorola's general indemnification of Customer from liabilities that are in any way related to Motorola's performance under this Agreement.

18.9 Motorola shall ensure that all of Motorola's subcontractors perform in accordance with the terms and conditions of this Agreement. Motorola shall be fully responsible for all of Motorola's subcontractors' performance, and liable for any of Motorola's subcontractors' non-performance and all of Motorola's subcontractors' acts and omissions. Motorola shall defend at Motorola's expense, counsel being subject to Customer's approval, which will not be unreasonably withheld, and indemnify and hold the Customer and the Customer's officers, and employees, and agents harmless from and against any claim, lawsuit, third party action, fine, penalty, settlement, or judgment, including any award of attorney fees and any award of costs, by or in favor of any of Motorola's subcontractors for payment for work performed for Customer by

any of such subcontractors, and from and against any claim, lawsuit, third party action, fine, penalty, settlement, or judgment, including any award of attorney fees and any award of costs, occasioned by or arising out of any act or omission by any of Motorola's subcontractors or by any of Motorola's subcontractors' officers, agents, or employees. Motorola's use of subcontractors in connection with this Agreement shall be subject to the Customer's prior written approval, which approval the Customer may revoke at any time.

18.10 Notwithstanding anything contained in this Agreement to the contrary, Motorola shall:

- a) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service. Motorola shall not be required to create or maintain any records not created or maintained in the ordinary course of its business, nor shall Motorola be obligated to provide City with access to its cost and pricing data.
- (b) Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes (2013), as may be amended or revised, or as otherwise provided by law.
- (c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- (d) Meet all requirements for retaining public records and transfer, at no cost, to the City, all public records in possession of the contractor upon termination of this contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.

Motorola shall not be required to create any records not created in the ordinary course of its business; nor shall Motorola be obligated to provide City with its confidential and proprietary cost or pricing data, which is not furnished or provided to customers.

The records retention period as prescribed under Florida Statutes and the Florida Division of Library Services shall be deemed controlling as it relates to the ultimate destruction of all public records created under this agreement.

The Parties hereby enter into this Agreement effective October 1, 2015.

The Parties hereby enter into this Agreement as of the date signed below ("Effective Date").

CITY OF FORT LAUDERDALE:

John P. "Jack" Seiler, Mayor

ATTEST:

Jonda K. Joseph, City Clerk

Lee R. Feldman, City Manager

Approved as to form:

City Attorney

WITNESSES:

Print Name: _____

Print Name: _____

MOTOROLA SOLUTIONS, INC.:

By: _____

Print Name:

Title:

ATTEST:

Print Name:
Secretary

(Corporate Seal)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____ 2015, by as for Motorola Solutions, Inc., a Delaware corporation authorized to transact business in the State of Florida.

(SEAL)

(Signature of Notary Public)

State _____ of
(Print, Type, or Stamp Commissioned
Name of Notary Public)

Personally Known _____ OR Produced Identification _____

Type of Identification Produced _____

Statement of Work

On Site Infrastructure Response and Dispatch Service

1.0 Description of Services

The Motorola System Support Center (SSC) will receive Customer request for service and dispatch a Servicer. The Servicer will respond to the Customer location based on pre-defined Severity Levels set forth in the Severity Definitions Table and Response times set forth in the Response Time Table in order to Restore the System.

Motorola will provide Case management as set forth herein. The SSC will maintain contact with the on-site Servicer until System Restoral and Case is closed. The SSC will Continuously track and manage Cases from creation to close through an automated Case tracking process. This Case management allows for Motorola to provide Case activity reports.

The terms and conditions of this Statement of Work (SOW) are an integral part of Motorola's Service Terms and Conditions or other applicable Agreement to which it is attached and made a part thereof by this reference.

2.0 Motorola has the following responsibilities:

- 2.1. Continuously receive service requests.
- 2.2. Create a Case as necessary when service requests are received. Gather information to perform the following:
 - 2.2.1. Characterize the issue.
 - 2.2.2. Determine a plan of action.
 - 2.2.3. Assign and track the Case to resolution.
- 2.3. Dispatch a Servicer as required by Motorola standard procedures and provide necessary Case information collected in 2.2.
- 2.4. Ensure the required personnel have access to Customer information as needed.
- 2.5. Servicer will perform the following on-site:
 - 2.5.1. Run diagnostics on the Infrastructure or FRU.
 - 2.5.2. Replace defective Infrastructure or FRU, as applicable. Customer, Servicer or Motorola may provide Infrastructure or FRU.
 - 2.5.3. Provide materials, tools, documentation, physical planning manuals, diagnostic/test equipment and any other requirements necessary to perform the Maintenance service.
 - 2.5.4. If a third party Vendor is needed to Restore the System, the Servicer may accompany that Vendor onto the Customer's premises.
- 2.6. Verify with Customer that Restoration is complete or System is functional, if required by Customer's repair Verification in the Customer Support Plan required by section 3.2. If Verification by Customer cannot be completed within 20 minutes of Restoration, the Case will be closed and the Servicer will be released.
- 2.7. Escalate the Case to the appropriate party upon expiration of a Response time.
- 2.8. Close the Case upon receiving notification from Customer or Servicer, indicating the Case is resolved.
- 2.9. Notify Customer of Case Status as defined required by the Customer Support Plan:
 - 2.9.1. Open and closed; or
 - 2.9.2. Open, assigned to the Servicer, arrival of the Servicer on-site, deferred or delayed, closed.
- 2.10. Provide Case activity reports to Customer.

3.0 Customer has the following responsibilities:

- 3.1. Contact Motorola, as necessary, to request service.
- 3.2. Provide Motorola with pre-defined Customer information and preferences prior to Start Date necessary to complete Customer Support Plan.
 - 3.2.1. Case notification preferences and procedure.
 - 3.2.2. Repair Verification preference and procedure.

- 3.2.3. Database and escalation procedure forms.
- 3.2.4. Submit changes in any information supplied in the Customer Support Plan to the Customer Support Manager.
- 3.3. Provide the following information when initiating a service request:
 - 3.3.1. Assigned System ID number.
 - 3.3.2. Problem description and site location.
 - 3.3.3. Other pertinent information requested by Motorola to open a Case.
- 3.4. Allow Servicicers access to Equipment.
- 3.5. Supply Infrastructure or FRU, as applicable, in order for Motorola to Restore the System as set forth in paragraph 2.5.2.
- 3.6. Maintain and store in an easily accessible location any and all Software needed to Restore the System.
- 3.7. Maintain and store in an easily accessible location proper System backups.
- 3.8. For E911 systems, test the secondary/backup PSAP connection to be prepared in the event of a catastrophic failure of a system. Train appropriate personnel on the procedures to perform the function of switching to the backup PSAP.
- 3.9. Verify with the SSC that Restoration is complete or System is functional, if required by Repair Verification preference provided by Customer in accordance with section 3.2.
- 3.10. Cooperate with Motorola and perform all acts that are reasonable or necessary to enable Motorola to provide these services.

Severity Definitions Table

Severity Level	Problem Types
Severity 1	Response is provided Continuously Major System failure 33% of System down 33% of Site channels down Site Environment alarms (smoke, access, temp, AC power). This level is meant to represent a major issue that results in an unusable system, sub-system, Product, or critical features from the Customer's perspective. No Work-around or immediate solution is available.
Severity 2	Response during Standard Business Day Significant System Impairment not to exceed 33% of system down System problems presently being monitored This level is meant to represent a moderate issue that limits a Customer's normal use of the system, sub-system, product, or major non-critical features from a Customer's perspective
Severity 3	Response during Standard Business Day Intermittent system issues Information questions Upgrades/Preventative maintenance This level is meant to represent a minor issue that does not preclude use of the system, sub-system, product, or critical features from a Customer's perspective. It may also represent a cosmetic issue, including documentation errors, general usage questions, recommendations for product enhancements or modifications, and scheduled events such as preventative maintenance or product/system upgrades.

Response Times Table (Customer's Response Time Classification is designated in the Service Agreement)

Severity Level	Premier Response Time	Regular Response Time
Severity 1	Within 2 hours from receipt of Notification Continuously 24 x 7	Within 4 hours from receipt of Notification Standard Business Day
Severity 2	Within 4 hours from receipt of Notification Standard Business Day	Within 4 hours from receipt of Notification Standard Business Day
Severity 3	Within 24 hours from receipt of Notification Standard Business Day	Within 24 hours from receipt of Notification Standard Business Day

Statement of Work

Infrastructure Repair with Advanced Replacement

1.0 Description of Services

Infrastructure Repair is a repair service for Motorola and select third party Infrastructure as set forth in the applicable attached Exhibit(s), all of which are hereby incorporated into this Statement of Work (SOW) by this reference. Customer's System type determines which exhibit is applicable (i.e. SmartZone system exhibit, SmartNet system exhibit). Infrastructure may be repaired down to the Component level, as applicable, at the Motorola Infrastructure Depot Operations (IDO). At Motorola's discretion, select third party Infrastructure may be sent to the original equipment manufacturer or third party vendor for repair. If Infrastructure is no longer supported by the original equipment manufacturer or third party vendor, Motorola may replace Infrastructure with similar Infrastructure, when possible.

When available, Motorola will provide Customer with an Advanced Replacement unit(s) or FRU(s) in exchange for Customer's malfunctioning FRU(s). Non-standard configurations, Customer-modified Infrastructure and certain third party Infrastructure are excluded from Advanced Replacement service. Malfunctioning FRU (s) will be evaluated and repaired by IDO and returned to IDO FRU inventory upon completion of repair. In cases where Advanced Replacement is not available or when a Customer requires the exact serial number to be returned, a FRU may be available on a Loaner basis.

The terms and conditions of this SOW are an integral part of Motorola's Service Terms and Conditions or other applicable agreement to which it is attached and made a part thereof by this reference.

2.0 Motorola has the following responsibilities:

- 2.1. Use commercially reasonable efforts to maintain an inventory of FRU.
- 2.2. Provide, new or reconditioned units as FRU to Customer or Servicer, upon request and subject to availability. The FRU will be of similar kit and version, and will contain like boards and chips, as the Customer's malfunctioning Infrastructure.
- 2.3. Program FRU to original operating parameters based on templates provided by Customer as required in Section 3.5. If Customer template is not provided or is not reasonably usable, a standard default template will be used.
- 2.4. Properly package and ship Advanced Replacement FRU from IDO's FRU inventory to Customer specified address.
 - 2.4.1. During normal operating hours of Monday through Friday 7:00am to 7:00pm CST, excluding holidays, FRU will be sent next day air via Federal Express Priority Overnight or UPS Red, unless otherwise requested. Motorola will pay for such shipping, unless Customer requests shipments outside of the above mentioned standard business hours and/or carrier programs, such as NFO (next flight out). In such cases, Customer will be subject to shipping and handling charges.
 - 2.4.2. When sending the Advanced Replacement FRU to Customer, provide a return air bill in order for Customer to return the Customer's malfunctioning FRU. The Customer's malfunctioning FRU will become property of IDO and the Customer will own the Advanced Replacement FRU.
 - 2.4.3. When sending a Loaner FRU to Customer, IDO will not provide a return air bill for the malfunctioning Infrastructure. The Customer is responsible to arrange and pay for shipping the malfunctioning Infrastructure to IDO. IDO will repair and return the Customer's Infrastructure and will provide a return air bill for the customer to return IDO's Loaner FRU.
- 2.5. Provide repair return authorization number upon Customer request for Infrastructure that is not classified as an Advanced Replacement or Loaner FRU.
- 2.6. Receive malfunctioning Infrastructure from Customer and document its arrival, repair and return.
- 2.7. Perform the following service on Motorola Infrastructure:
 - 2.7.1. Perform an operational check on the Infrastructure to determine the nature of the problem.
 - 2.7.2. Replace malfunctioning FRU or Components.
 - 2.7.3. Verify that Motorola Infrastructure is returned to Motorola manufactured specifications, as applicable
 - 2.7.4. Perform a Box Unit Test on all serviced Infrastructure.

- 2.7.5. Perform a System Test on select Infrastructure.
 - 2.8. Provide the following service on select third party Infrastructure:
 - 2.8.1. Perform pre-diagnostic and repair services to confirm Infrastructure malfunction and eliminate sending Infrastructure with no trouble found (NTF) to third party vendor for repair, when applicable.
 - 2.8.2. Ship malfunctioning Infrastructure to the original equipment manufacturer or third party vendor for repair service, when applicable.
 - 2.8.3. Track Infrastructure sent to the original equipment manufacturer or third party vendor for service.
 - 2.8.4. Perform a post-test after repair by Motorola, original equipment manufacturer, or third party vendor to confirm malfunctioning Infrastructure has been repaired and functions properly in a Motorola System configuration, when applicable.
 - 2.9. Re-program repaired Infrastructure to original operating parameters based on templates provided by Customer as required by Section 3.5. If Customer template is not provided or is not reasonably usable, a standard default template will be used. If IDO determines that the malfunctioning Infrastructure is due to a Software defect, IDO reserves the right to reload Infrastructure with a similar Software version. Enhancement Release(s), if needed, are subject to additional charges to be paid by Customer unless the Customer has a Motorola Software Subscription agreement.
 - 2.10. Properly package repaired Infrastructure unless Customer's malfunctioning FRU was exchanged with an IDO FRU. Motorola will return Customer's FRU(s) to IDO's FRU inventory, upon completion of repair.
 - 2.11. Ship repaired Infrastructure to the Customer specified address during normal operating hours set forth in 2.4.1. FRU will be sent two-day air unless otherwise requested. Motorola will pay for such shipping, unless Customer requests shipments outside of the above mentioned standard business hours and/or carrier programs, such as NFO (next flight out). In such cases, Customer will be subject to shipping and handling charges.
- 3.0 Customer has the following responsibilities:
- 3.1. Contact or instruct Servicer to contact the Motorola System Support Center (SSC) and request an Advanced Replacement, or Loaner FRU and a return authorization number (necessary for all non-Advanced Replacement repairs) prior to shipping malfunctioning Infrastructure or third party Infrastructure named in the applicable attached Exhibit.
 - 3.1.1. Provide model description, model number, serial number, type of System and Firmware version, symptom of problem and address of site location for FRU or Infrastructure.
 - 3.1.2. Indicate if Infrastructure or third party Infrastructure being sent in for service was subjected to physical damage or lightning damage.
 - 3.1.3. Follow Motorola instructions regarding inclusion or removal of Firmware and Software applications from Infrastructure being sent in for service.
 - 3.1.4. Provide Customer purchase order number to secure payment for any costs described herein.
 - 3.2 Pay for shipping of Advanced Replacement or Loaner FRU from IDO if Customer requested shipping outside of standard business hours or carrier programs set forth in section 2.4.1.
 - 3.3 Within five (5) days of receipt of the Advanced Replacement FRU from IDO's FRU inventory, properly package Customer's malfunctioning Infrastructure and ship the malfunctioning Infrastructure to IDO for evaluation and repair as set forth in 2.7. Customer must send the return air bill, referenced in 2.4.2 above back to IDO in order to ensure proper tracking of the returned Infrastructure. Customer will be subject to a replacement fee for malfunctioning Infrastructure not properly returned. For Infrastructure and/or third party Infrastructure repairs that are not exchanged in advance, properly package Infrastructure and ship the malfunctioning FRU, at Customer's expense and risk of loss to Motorola. Customer is responsible for properly packaging the Customer malfunctioning Infrastructure FRU to ensure that the shipped Infrastructure arrives un-damaged and in repairable condition. Clearly print the return authorization number on the outside of the packaging.
 - 3.4 If received, Customer must properly package and ship Loaner FRU back to IDO within five (5) days of receipt of Customer's repaired FRU.
 - 3.5 Maintain templates of Software/applications and Firmware for reloading of Infrastructure as set forth in paragraph 2.3 and 2.9.
 - 3.6 Cooperate with Motorola and perform all acts that are reasonable or necessary to enable Motorola to provide the Infrastructure Repair with Advanced Replacement services to Customer.

4.0 In addition to any exclusions named in Section 4 of the Service Terms and Conditions or in any other underlying Agreement to which this SOW is attached, the following items are excluded from Infrastructure Repair with Advanced Replacement:

1. All Infrastructure over seven (7) years from product cancellation date.
2. All Broadband/ WiNS Infrastructure three (3) years from product cancellation date.
3. Physically damaged Infrastructure.
4. Third party Equipment not shipped by Motorola.
5. Consumable items including, but not limited to, batteries, connectors, cables, tone/ink cartridges.
6. Video retrieval from Digital In-Car Video equipment.
7. Test equipment.
8. Racks, furniture and cabinets.
9. Firmware and/or Software upgrades.

SmartZone System Infrastructure Exhibit	Inclusions, Exclusions, Exceptions and Notes for Infrastructure Repair
Antenna Systems	Excludes all Equipment such as bi-directional amplifiers, multicouplers, combiners, tower top pre-amplifiers, antennas, cables, towers, tower lighting, and transmission lines.
Base Station(s) and Repeater(s)	Includes: Quantar, Quantro, Digital MSF5000 and MTR2000 ONLY .
Central Electronics Bank(s)	Includes Logging Recorder Interface and Network Hub. Excludes all other technologies.
Channel Bank(s)	Includes Premisys and Telco . Excludes Siemens
Comparator(s)	Includes Spectratrac, Digitac, and ASTRO-tac Comparators.
Computer(s)	Includes computers (Pentium I, II, III, IV) directly interface with or control the communications System, including Systemwatch II, keyboards, mice and trackballs. Excludes laptop computers and all 286, 386, 486 computers. Excludes defective or phosphor-burned cathode ray tubes CRT(s) and burned-in flat panel display image retention.
Console(s)	Includes Centracom Gold Elite, MCC7500, MCC5500, and MIP5000 as part of complete communication System. Includes headset jacks, dual footswitches, and gooseneck microphones. Excludes: Cables
Controller(s) -Trunking	Includes SmartNet II prime and remote controllers. Excludes SSMT and SCMS controllers.
Dictaphones and Recording Equipment	Excludes all types and models.
Digital Interface Unit(s)	Included
Digital Signaling Modem(s)	Included upon modem model availability
Digital Voice Modem(s)	Included upon modem model availability
Embassy Switch	Includes AEB, AIMI, ZAMBI, AMB
Management Terminals	Includes computers (Pentium I, II, III, IV) directly interface with or control the communications System, including Systemwatch II. Excludes laptop computers and all 286, 386, 486 computers.
MBEX(s) or NOVA Interconnect	Included
Microwave Equipment.	Excluded from service agreement but may be repaired on an above contract, time and material basis. All Equipment must be shipped to IDO. Excludes any on-site services.
Monitor(s)	Includes all Motorola certified monitors connected to computers that directly interface with or control the communications System. Excludes defective or phosphor-burned cathode ray tubes CRT(s) and burned-in flat panel displays image retention. Monitors not shipped by Motorola and /or cannot be confirmed by a Motorola factory order number.
Moscad	Only NFM (Network Fault Management), as part of communication System only. Standalone MOSCAD and System Control and Data Acquisition (SCADA) must be quoted separately. Excludes Fire alarming systems.
Network Fault Management	Includes Full Vision. Excludes NMC
Printer(s)	Includes printers that directly interface with the communications System.
RAS(s)	Excludes RAS 1100, 1101 and 1102
Receiver(s)	Includes Quantar and MTR2000, ASTRO-TAC Receivers.
Simulcast Distribution Amplifier(s)	Included
Site Frequency Standard(s)	Includes Rubidium, GPS and Netclocks systems sold with the Motorola System. Excludes MFS-Rubidium Standard Network Time and Frequency devices.
Universal Simulcast Controller Interface(s)	Included
UPS Systems.	Excluded from service agreements but may be repaired on an above contract, time and material basis. All UPS Systems must be shipped to IDO for repair. Excludes any on-site services. Excludes all batteries.
Zone Manager	Excludes HP715/33, HP 715/50 servers. Excludes x-terminals NDS14C and NDS17C
Zone Controller(s)	Includes console terminals. Excludes ALL Sun/IMP hard drives <u>except</u> TLN3495A 0820 1 GB drive. Excludes the following SUN/IMP CPUSET's: TLN3278B 0406, TLN3343A 0424 and TLN3278A 0181/0389.

Statement of Work

SP-Microwave Service Repair

1.0 Description of Services

Microwave Service Repair is a repair service provided by the Servicer for the Microwave equipment named on the Customer Equipment list. At the Servicer's discretion and responsibility, Infrastructure may be sent to Motorola, original equipment manufacturer, third party vendor, or other facility for repair.

The terms and conditions of this Statement of Work (SOW) are an integral part of Motorola's Service Terms and Conditions or other applicable Agreement to which it is attached and made a part thereof by this reference.

2.0 Motorola Servicer has the following responsibilities:

- 2.1. Repair or replace Infrastructure at the Servicer facility or Customer location as determined by Servicer. Any replaced FRU will be of a similar kit and version, and will contain like boards and chips, as the Customer's malfunctioning FRU(s). Servicer is responsible for travel costs to a Customer location to repair Infrastructure.
- 2.2. Perform the following on Microwave Infrastructure:
 - 2.2.1. Perform an operational check on the Infrastructure to determine the nature of the problem.
 - 2.2.2. Repair or replace malfunctioning FRU, as determined by Servicer.
 - 2.2.3. Verify that Infrastructure is returned to manufactured specifications.
- 2.3. Provide the following service on select third party Infrastructure
 - 2.3.1. Perform pre-diagnostic and repair service to confirm Infrastructure malfunction and eliminate sending Infrastructure with no trouble found (NTF) to third party vendor for repair, when applicable.
 - 2.3.2. Ship malfunctioning Infrastructure to the original equipment manufacturer or third party vendor for repair service. Servicer is responsible for all shipping and handling charges.
 - 2.3.3. Coordinate and track Infrastructure sent to the original equipment manufacturer or third party vendor for service.
- 2.4. Notify the Customer upon completion of repair or replacement.
- 2.5. Properly package, return ship or hand deliver Infrastructure to the Customer specified address. Servicer will pay return shipping charges, if being sent via overnight carrier.

3.0 Customer has the following responsibilities:

- 3.1. Contact Servicer and provide the following information:
 - 3.1.1. Provide customer name, address of site location, and symptom of problem.
 - 3.1.2. Provide model description, model number, serial number, and type of System and Firmware version, if known.
- 3.2. Cooperate with Motorola and perform all acts that are reasonable or necessary to enable Motorola to provide Local Infrastructure Repair services to Customer.
- 3.3. Provide spare board inventory to be used to bring system back on line while defective unit is being repaired.



Statement of Work

Service From the Start - LITE

1.0 Description

Service From the Start- LITE provides board level service for the Equipment that is specifically named in the applicable agreement to which this Statement of Work (SOW) is attached or any of the agreement's subsequent revisions. Services are performed at the Radio Support Center (RSC) or Federal Technical Support Center.

In addition to Equipment specifically named in the applicable agreement to which this Statement of Work is attached, Service From the Start- LITE includes service on single mobile control heads provided that they are required for normal operation of the Equipment and are included at the point of manufacture.

Service From the Start LITE excludes repairs to: optional accessories; standard mobile palm microphones; non-standard mobile microphones; iDEN accessories; iDEN mobile microphones; portable remote speaker microphones; optional or additional control heads; mobile external speakers; single and multiple unit portable chargers; batteries; mobile power and antenna cables; mobile antennas; portable antennas, and power supplies. Engraving service is not covered under standard Service From the Start LITE. This service does not cover defects, malfunctions, performance failures or damage to the unit resulting from physical, liquid, or chemical damage. An estimate for non-covered repairs will be provided for units displaying extensive damage.

Service From the Start LITE is non-cancelable and non-refundable. If Equipment is added to the agreement subsequent to the Start Date, these units are also non-cancelable and non-refundable for the agreement duration. All added Equipment must be in "good working order" on the Start Date or when additional Equipment is added to the agreement. To ensure "good working order", added equipment will incur a time and material (T&M) repair fee if a repair is requested on that equipment within 30 days after being added to the agreement. Equipment may only be added to the agreement, via a customer signed or emailed Motorola Inventory Adjustment Form (IAF). Complete and accurate serial numbers and model descriptions must be supplied or the added unit will not be included under the agreement and will incur a T&M repair fee.

All inventory adjustment requests for add-on subscriber units received prior to the 15th of the month will be effective the 1st of the following month. Equipment add-on requests received after the 15th of the month will be effective the 1st of the next succeeding month.

Equipment deletions from the agreement may only be deleted under the following limited conditions:

- Equipment was stolen and proof of theft is provided to Motorola.
- Motorola determines Equipment is damaged beyond repair.
- Motorola determines Equipment is no longer supportable or is obsolete.
- Equipment has already been under a previous contract for at least the twelve month requirement.

Equipment deletions, where applicable, will be effective at the end of the month in which the request was received.

The terms and conditions of this Statement of Work are an integral part of the Motorola service agreement or other applicable agreement to which it is attached and made a part thereof by this reference. If there are any inconsistencies between the provisions of the Motorola service agreement or other applicable agreement and this Statement of Work, the provisions of this Statement of Work shall prevail.

2.0 Motorola has the following responsibilities:

- 2.1 Test and Restore the Equipment to Motorola factory specifications, including Factory Mutual (FM), and Mine Hazard Safety Association (MHSA).
- 2.2 Reprogram Equipment to original operating parameters based on the Customer template, if retrievable, or from a Customer supplied backup diskette. If the Customer template is not usable, a generic template or code plug utilizing the latest Radio Service Software (RSS) or Customer Programming Software (CPS) version for that Equipment will be used. The Equipment will require additional programming by the



Customer to restore the original template. All Firmware is upgraded to the latest release for each individual product line.

- 2.3 Clean external housing of the Equipment. External components of unit will only be replaced when functionality has been diminished.
 - 2.4 Pay the outbound freight charges for next day shipping. Motorola will pay the inbound freight charges if the Customer uses the Motorola designated delivery service.
 - 2.5 Provide Customer with the Motorola repair request form and Inventory Adjustment Form (IAF).
 - 2.6 Perform covered services as requested by Customer on the Motorola repair request form.
 - 2.7 Process inventory adjustment requests received by email or fax from Customer. If the request is received by email, Motorola will email an acknowledgement to the sender.
 - 2.8 If applicable, notify Customer of changes in Motorola designated inventory adjustment email address or fax number.
- 3.0 Customer has the following Responsibilities:
- 3.1 Supply Motorola complete and accurate serial numbers and model description.
 - 3.2 Utilize the Motorola designated delivery service program to obtain Motorola payment for inbound shipping.
 - 3.3 Access the Motorola repair request form and Inventory Adjustment Form (IAF) through Motorola On Line (MOL).
 - 3.4 Initiate service request via Motorola On Line (MOL) or complete a Motorola repair request form with contract number referenced, and submit it with each unit of Equipment sent in for service. Mobile control heads or accessory items sent in must reference the serial number of the main unit.
 - 3.5 If desired, supply Motorola with a Software template or programming in order to assist in returning the Equipment to original operating parameters. This step must be completed for Equipment that will not power up. If applicable, record the current flashcode for each radio.
 - 3.6 If Motorola must utilize a generic template or code plug to Restore Equipment to operating condition, Customer is responsible for any programming required to Restore Equipment to desired parameters.
 - 3.7 Provide a signed or emailed Motorola Inventory Adjustment Form (IAF) for all Equipment additions.
 - 3.8 Local services or annual maintenance required for maintaining normal operation of the equipment, unless specified on the service agreement.

Statement of Work

SP-On Site Infrastructure Response and Repair for FHAS

1.0 Description of Services

On Site Infrastructure Response and Repair is a service provided by the Servicer for FHAS Infrastructure named on the Customer Equipment list. At the Servicer's discretion and responsibility, Infrastructure may be sent to Motorola, original equipment manufacturer, third party vendor, or other facility for repair.

The terms and conditions of this Statement of Work (SOW) are an integral part of Motorola's Service Terms and Conditions or other applicable Agreement to which it is attached and made a part thereof by this reference.

2.0 Motorola Servicer has the following responsibilities:

- 2.1. Repair or replace Infrastructure at the Servicer facility or Customer location as determined by Servicer. Any replaced FRU (Zetron will be customer provided) will be of a similar kit and version, and will contain like boards and chips, as the Customer's malfunctioning FRU(s). Servicer is responsible for travel costs to a Customer location to repair Infrastructure.
- 2.2. Perform the following on Motorola Infrastructure:
 - 2.2.1. Perform an operational check on the Infrastructure to determine the nature of the problem.
 - 2.2.2. Repair or replace malfunctioning FRU, as determined by Servicer.
 - 2.2.3. Verify that Infrastructure is returned to manufacturer specifications.
- 2.3. Provide the following service on select third party Infrastructure
 - 2.3.1. Perform pre-diagnostic and repair service to confirm Infrastructure malfunction and eliminate sending Infrastructure with no trouble found (NTF) to third party vendor for repair, when applicable.
 - 2.3.2. Ship malfunctioning Infrastructure to the original equipment manufacturer or third party vendor for repair service. Servicer is responsible for all shipping and handling charges.
 - 2.3.3. Coordinate and track Infrastructure sent to the original equipment manufacturer or third party vendor for service.
- 2.4. Re-program Infrastructure to original operating parameters based on templates provided by Customer required by Section 3.2. If the Customer template is not provided or is not reasonably usable, a standard default template will be used. The Servicer will provide the standard template.
- 2.5. Notify the Customer upon completion of repair or replacement.
- 2.6. Properly package, return ship or hand deliver Infrastructure to the Customer specified address. Servicer will pay return shipping charges, if being sent via overnight carrier.

3.0 Customer has the following responsibilities:

- 3.1. Contact Servicer and provide the following information:
 - 3.1.1. Provide customer name, address of site location, and symptom of problem.
 - 3.1.2. Provide model description, model number, serial number, and type of System and Firmware version, if known.
- 3.2. Maintain and/or store backups of all applicable Software applications and Firmware for reloading, if necessary by Servicer, after repair service is completed.
- 3.3. Cooperate with Motorola and perform all acts that are reasonable or necessary to enable Motorola to provide Local Infrastructure Repair services to Customer.

Semi Annual Preventative Maintenance Check (MERS Trailer)

1.0 Description of Services

A Preventative Maintenance check will provide an operational test and alignment on the radio infrastructure equipment installed in the Mobile Emergency Radio System (MERS) Trailer to ensure it meets the original manufacturer's specifications. The preventative maintenance check will be performed on a semi-annual basis and scheduled upon customer's request. A report will be provided to the customer upon completion. This service will be performed during normal standard business days/hours (Monday – Friday, 8am – 5pm).

2.0 Motorola has the following responsibilities:

- Physically inspect the infrastructure equipment for the radio system.
- Remove any dust and/or foreign substances from the radio equipment.
- Clean filters, if applicable, on the radio equipment.
- Measure, record, align, and adjust the radio equipment parameters in accordance with the manufacturer's service manuals and the rules and regulations of the Federal Communications Commission (FCC) where applicable.
- Document all measured parameters on the radio equipment as identified in Table D and provide the customer with a report at the conclusion of this service.

3.0 Customer has the following responsibilities:

- Schedule the PM checks with the Service provider on a semi-annual basis.
- Cooperate with Motorola to perform all acts that are reasonable or necessary to enable FSO to provide the Preventative Maintenance (PM) check on the radio equipment. .

Table D: Radio Equipment Preventative Maintenance Check list

Infrastructure Type	Operational Check (where applicable)
Repeater(s), Base Station(s) <ul style="list-style-type: none"> • 6 Channel 4.1 IR site • 6 Channel 7.6 ASR site 	Transmitter modulation RF power output/reflected RF Frequency Measured/adjusted Receiver Sensitivity Measured/Adjusted Power Supply voltages Transmission Line Sweep with Antenna Auto Tune Combiner operation



CITY OF
FORT LAUDERDALE

June 24, 2015

Mr. Mitch Nowak
Motorola Solutions
1301 East Algonquin Road
Schaumburg, IL 60196

Dear Mr. Nowak,

The City of Fort Lauderdale is self-insured for General Liability, Auto Liability and Workers' Compensation. Accordingly, claims made against the City are handled under the City's self-funded liability program as provided for by Florida Statute 768.28.

Please feel free to contact me if you have questions or need additional information.

Sincerely,

Matthew Cobb
Risk Management Coordinator



Statement of Self-Insurance

Motorola Solutions, Inc
1303 east Algonquin Road
Schaumburg IL 60196

RE: Self-Insurance for a Schedule Number **23702** to that certain Equipment Lease Purchase Agreement Number **23702** dated the ___ day of _____, 2015, by and between **CITY OF FORT LAUDERDALE** as Lessee and Motorola Solutions, Inc., as Lessor.

Equipment Description: See

attached equipment list Gentlemen:

In consideration of your waiver of the requirement in the above captioned Lease to furnish you with evidence of physical damage and liability insurance on the Equipment, and as a further inducement to you to allow the undersigned to self-insure, the Lessor agrees as follows:

1. To be fully and financially responsible for any and all partial or total loss of the Equipment;
2. To notify you in writing, immediately upon any loss of, or damage to, the Equipment;
3. To furnish you with estimates of the repair costs for any and all damage caused to, or suffered by, the Equipment;
4. To repair or replace said Equipment, or so much thereof as may be destroyed or damaged from any cause whatsoever within 45 days or as soon as possible thereafter;
5. To furnish you with paid receipts evidencing the repair of any and all damage to the Equipment;
6. In the event that said Equipment cannot be repaired or restored to a condition or value equivalent to its condition or value before the damage, or replaced by comparable equipment, to immediately pay such portion of the obligation as may be attributable to the Equipment destroyed or damaged beyond repair;

7. To provide annual accountant prepared financial statements.
8. To the limited extent provided by Florida law, to be financially responsible for any loss, damage, injury or accident involving or resulting from use of the Equipment.
9. To provide Lessor with written notice of any claims for loss, damage, injury or accident involving or resulting from use of the Equipment, and make available to Lessor all information and documentation relating thereto.



Motorola Solutions, Inc.
8000 W Sunrise Blvd.
Plantation, FL 33322
USA

Telephone: +1 954-789-8817
Fax: +1 847-761-1919

13 May 2015

Mike Maier
City of Fort Lauderdale
100 North Andrews Avenue
Fort Lauderdale, FL 33301

Subject: Public Safety Communications Life Cycle Upgrade

Dear Mr. Maier:

Motorola Solutions, Inc. (Motorola) is pleased to have the opportunity to provide the City of Fort Lauderdale (City) with quality communications equipment and services. The Motorola project team has taken great care to propose a solution that will meet your needs and provide unsurpassed value.

To best meet the functional and operational requests the City has regarding the City's public safety user's communication, Motorola's solution includes a combination of hardware, software, and services. Motorola has proposed the following (detailed in our proposal):

- 3-site FDMA, P25, simulcast, 12-channel upgrade.
- Radio software flash upgrades to utilize the City's current radio inventory.
- Warranty and maintenance for the upgraded system for 5 years.
- Continued operation of the SmartX SmartZone system for local government.
- Maintenance for subscribers, MERS trailer, microwave backhaul and fire house alerting for 4 years.
- Both systems will both be connected to the Motorola South Florida Hosted Master Site, allowing continued interoperability with other agencies within the County.

The City may accept this proposal by delivering the signed communication agreement contracts within this proposal. The term of this contract is 5 years. Motorola would be pleased to address any concerns the City may have regarding the proposal. Any questions can be directed to your Motorola Account Executive, Mitch Nowak, at 954-789-8817. This contract will be thirty days from the date on this cover letter.

We thank you for the opportunity to furnish the City of Fort Lauderdale with "best in class" solutions and we hope to strengthen our relationship by implementing this project. Our goal is to provide you with the best products and services available in the communications industry.

Sincerely,

Motorola Solutions, Inc.

Robert E. Marshall Jr.
MSSSI Vice President

PROJECT 25 LIFECYCLE UPGRADE

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PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 1 SYSTEM DESCRIPTION

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015



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REF/Control No. PS-000052946

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SYSTEM DESCRIPTION

1.1 EXISTING SYSTEM OVERVIEW

The City of Fort Lauderdale's (City) existing 800 MHz SmartZone simulcast radio system consists of 26 channels and four sites, where three of the sites are *transmit and receive* and the fourth site is *receive-only*. The existing radio system is connected to a four-hop, 45 Mbps microwave system. The system supports both Public Safety and Local Government communications. There are six MIP5000 consoles; three consoles are located at PD Dispatch and three consoles are located at the Utilities Administration Building. There are approximately 1081 public safety x-series subscriber units; 678 subscribers are P25 equipped and 403 subscribers are P25 capable. The 403 P25 capable subscribers will need to be flash upgraded. The system has recently been upgraded to SmartX™ and interfaces to the Motorola Solutions, Inc. (Motorola) Project 25 (P25) Hosted Master Site.

1.2 PROPOSED SYSTEM OVERVIEW

Motorola is providing a P25 FDMA, 12-channel, three-site trunked linear simulcast radio communication system for the immediate use of all Public Safety users. Local Government users will stay on the existing 800 MHz SmartZone system, which will be reconfigured to operate on 12 channels and four sites. Interoperability between the Public Safety and non-Public Safety users will be maintained through the interface connectivity of both systems to the Motorola P25 Hosted Master Site.

The solution provides the following items:

- P25 FDMA, 12 channels, and three sites.
- Subscriber flash upgrades for 403 Public Safety radios.
- Reuse transmit and receive antenna systems at PD and Utilities sites.
- Reuse tower top amplifier and multicoupler units at PD, Utilities and Playa De Sol sites.
- Add new transmit and receive antenna at the Playa Del Sol site.
- Reuse existing 45 Mbps loop microwave system.



1.3 PROPOSED SYSTEM SOLUTION

The proposed system solution provides a P25 FDMA, 12-channel, three-site linear simulcast system. In order to implement this solution, 12 channels from the existing 800 MHz SmartZone SmartX system will be used. The existing 800 MHz SmartZone SmartX legacy system will continue to operate on 12 channels and four sites to support Local Government users. Interoperability between systems will be supported via the connectivity to the Motorola P25 Hosted Master Site. Because both the P25 system and the SmartZone system are connected to the Motorola P25 Hosted Master Core, **radio-to-radio and console-to-radio interoperability** can be achieved, for example, if by programming a talkgroup called "P25-SZ INTOP" on a radio subscriber using the P25 system and the same talkgroup is programmed on a radio subscriber using the legacy SmartZone system, then the two radio subscribers will be able to transparently communicate to each other without the need of complicated patches. **For maximum interoperability among 3600 and ASTRO® 25 radios, they should be programmed within the 3600 individual ID fleetmap range, which is 700001 to 765534 and excludes 708128 to 708191.**

As part of the system solution, we have included the following scope:

- Installation and optimization of new P25 system.
- CCSI staging for new P25 system.
- Reconfiguration of existing microwave to support T1 and Ethernet connectivity.
- Retune two legacy combiners at PD, Utilities and Street and Highways sites.
- Removal of legacy equipment.
- Perform sweep tests on transmission lines.
- Functional Acceptance Test Plan (FATP).
- Coverage Acceptance Test Plan (CATP).

Please see Section 3 Statement of Work of the proposal for detailed scope.

Backhaul connectivity between the following sites is not provided and will be the City's responsibility:

- Two T1s from PD to Motorola Hosted Master Site to support existing SmartX link for legacy system.
- One T1 from PD to Motorola Hosted Master Site to support existing Network Management Clients.
- One five-Mbps Metro Ethernet Link from PD to Motorola Hosted Master Site to support new P25 system.



1.3.1.1 System Equipment Components by Site

Table 1-1 details the system components provided as part of the proposed system solution.

Table 1-1: System solution equipment components

Qty	Description
Fort Lauderdale PD Prime Site and Co-located Remote Site	
2	GCP 8000 controllers
6	GCM 8000 comparator units; each unit has 2 GGM 8000 comparator modules to support 12 channels
2	GTR 8000 Expandable Site Subsystem (ESS) repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Prime Site gateways and 2 HP 2620-24 LAN switches to provide prime site connectivity to the Motorola P25 Hosted Master Site via customer provided 5 Mbps Metro Ethernet
2	GGM 8000 sub-site gateways and 2 HP 2620-24 backhaul switches to provide connectivity to the Remote Sites via existing microwave system
4	DDM module added to existing Trak GPS frequency standard to support GCM 8000 comparators and GTR 8000 channels
-	Existing Trak GPS frequency standard will be used
-	Existing transmit and receive antennas systems will be reused including tower-top amplifier (TTA) and receiver multicoupler unit (RMU)
-	Sweep test 3 antenna systems
Utilities Remote Site	
2	GTR 8000 ESS repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Remote Site gateways and 2 HP 2620-24 LAN switches to provide connectivity to the Prime Site via existing microwave system
1	DDM module added to existing Trak GPS frequency standard to support GTR 8000 channels
-	Existing Trak GPS frequency standard will be used
-	Existing transmit and receive antennas systems will be reused including tower-top amplifier (TTA) and receiver multicoupler unit (RMU)
-	Sweep test 3 antenna systems
Playa Del Sol Remote Site	
2	GTR 8000 ESS repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Remote Site gateways and 2 HP 2620-24 LAN switches to provide connectivity to the Prime Site via existing microwave system
1	Trak GPS frequency unit to support IP simulcast
-	Replace the existing antenna system with Antel model BCR-80013; reuse receiver multicoupler unit (RMU)
2	Transmit antenna systems using Antel model BCR-80013-3 antennas
-	Sweep test 5 antenna systems

1.3.1.2 Migration Plan

The following is a high-level description of the migration plan for the proposed new P25 system.

Motorola will install three equipment racks at the PD Prime Site and two equipment racks at each of the two Remote Sites. We will provide advanced notice to the City, for review and approval, if we anticipate any service interruption as we rearrange existing racks in order to make room for the new racks.

- Four channels will be turned off of the SmartZone legacy system to allow for the optimization, functional testing, and coverage ATP of the newly-installed P25 system.
- Once all Public Safety subscribers have been programmed for P25 operation, we will then be ready to start the cutover procedure to the P25 system.
- Four weeks prior to cutting over the Public Safety users to the P25 system, another eight channels will be turned off the legacy SmartZone SmartX system to allow for the optimization and functional testing of channels.
- At this point, the new P25 system will have 12 channels operational and tested; now Public Safety users can move over to the P25 system.
- The existing legacy SmartZone SmartX system combiner will be reconfigured so that the 12 channels will be placed across two combiners and two antenna systems at four sites.
- Lastly, SmartX equipment that has been turned off will be removed.

1.3.1.3 Functional ATP

Following system implementation, Motorola will conduct a functional ATP to demonstrate the performance of the P25 system. Please see Section 4 Acceptance Testing of the proposal for detailed documentation.

1.3.1.4 Coverage ATP

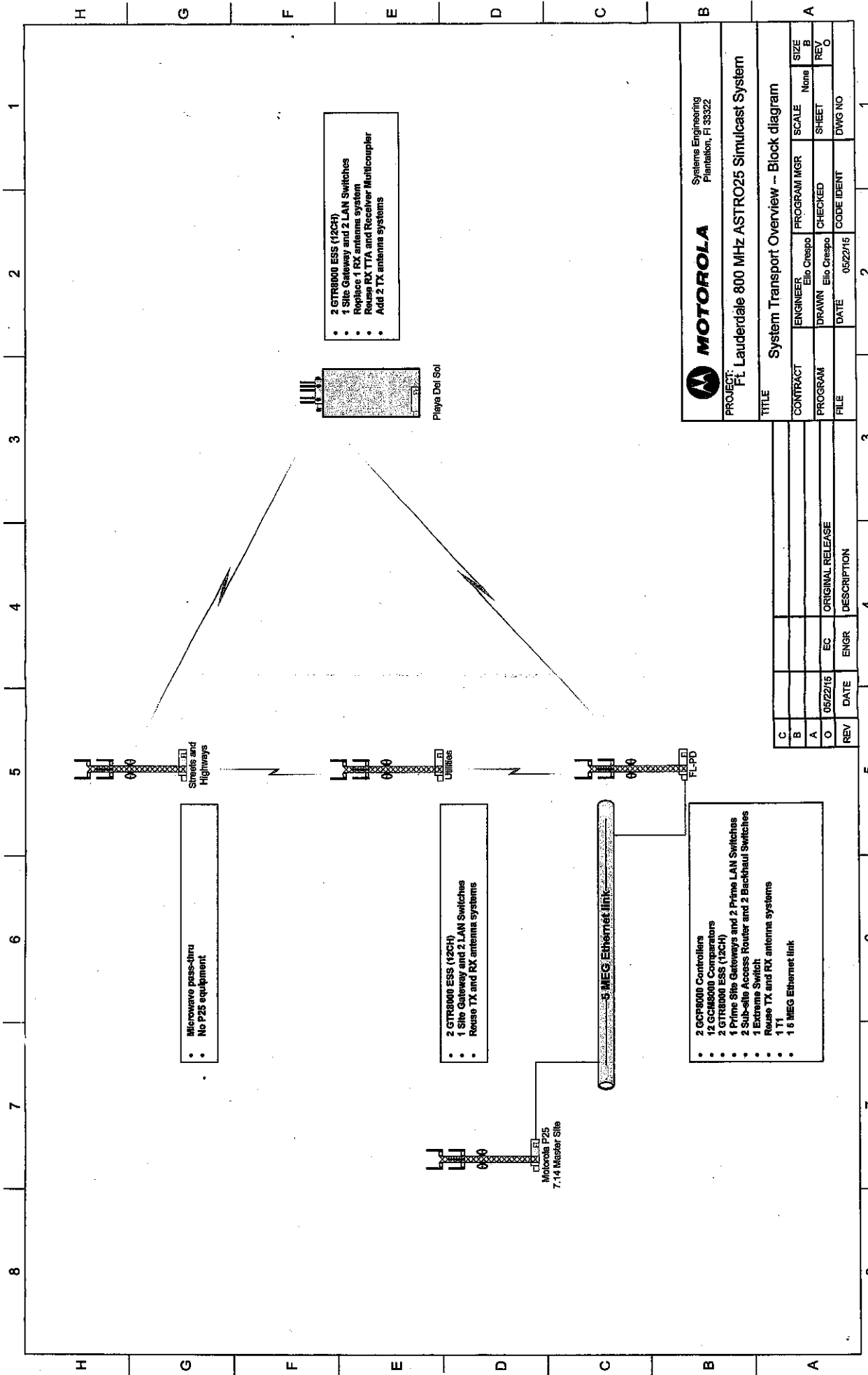
Following system implementation, Motorola will conduct a coverage ATP to demonstrate radio coverage throughout the City's service area. Please see Section 2 Coverage Methodology of the proposal for detailed documentation.

1.4 FLORIDA REGION 9 INTERFERENCE PROTECTION STANDARDS

Motorola's P25 design complies with the Region 9 Plan standards for protection against interference to and from incumbent and potential licensees. These reports include all required data, calculations, listings, and analyses that show no interference impact and demonstrate compliance with the Region 9 Plan.

1.5 SYSTEM DIAGRAMS AND DRAWINGS

System diagrams and drawings referenced throughout Motorola's proposal are provided on the following pages.



- 2 GTR8000 ESS (12CH)
- 1 Site Gateway and 2 LAN Switches
- Replace 1 RX antenna system
- Reuse RX TTA and Receiver Multicoupler
- Add 2 TX antenna systems

Playa Del Sol

- Microwave pass-thru
- No P25 equipment

- 2 GTR8000 ESS (12CH)
- 1 Site Gateway and 2 LAN Switches
- Reuse TX and RX antenna systems

- 2 GCP8000 Controllers
- 12 GCN8000 Comparators
- 2 GTR8000 ESS (12CH)
- 1 Prime Site Gateway and 2 Prime LAN Switches
- 2 Sub-site Access Router and 2 Backhaul Switches
- 1 Extreme Switch
- Reuse TX and RX antenna systems
- 1 T1
- 1.6 MEG Ethernet link

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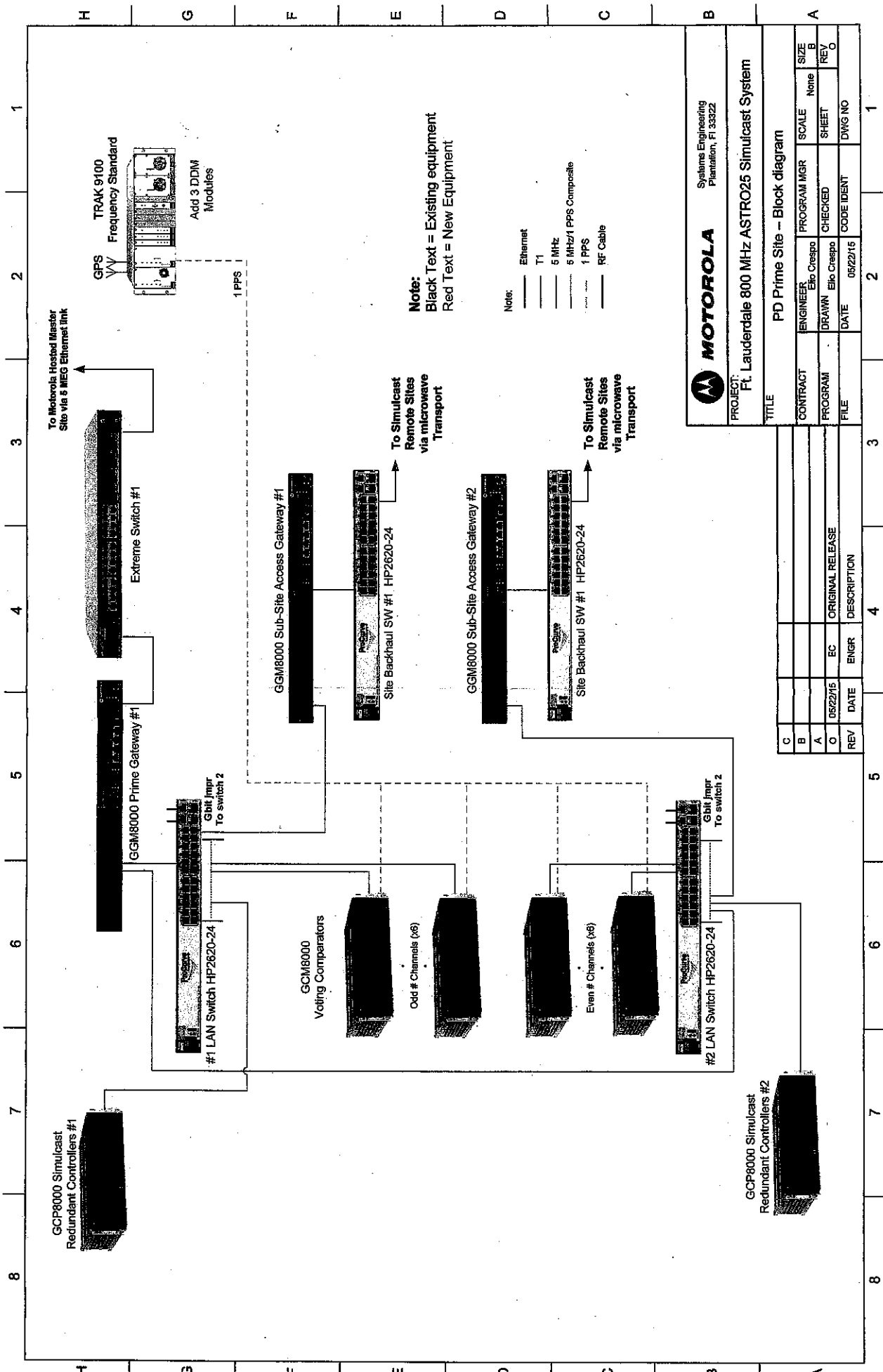
PROJECT: Ft. Lauderdale 800 MHz ASTRO25 Simulcast System

TITLE: System Transport Overview - Block diagram

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PROGRAM	DRAWN	CHECKED	SHEET	REV
	Eilo Crespo			O
FILE	DATE	CODE IDENT	DWG NO	
	05/22/15			

C					
B					
A					
O	05/22/15	EC	ORIGINAL RELEASE		
REV	DATE	ENGR	DESCRIPTION		

13 May 2015



Note:
 Black Text = Existing equipment
 Red Text = New Equipment

- Notes:
- Ethernet
 - T1
 - 5 MHz
 - 5 MHz/1 PPS Composite
 - 1 PPS
 - RF Cable

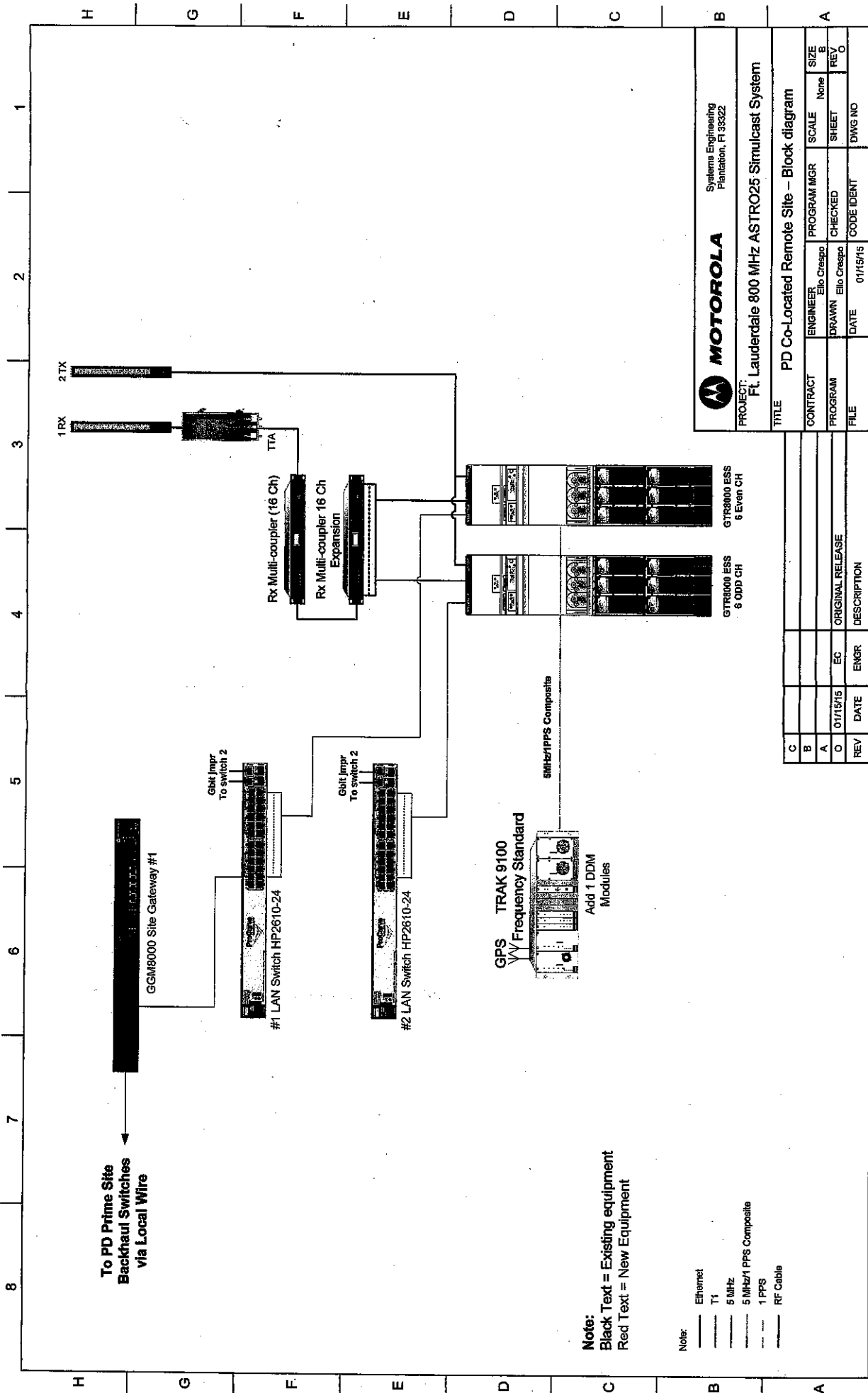
MOTOROLA
 Systems Engineering
 Plantation, FL 33322

PROJECT: FL Lauderdale 800 MHz ASTRO25 Simulcast System

TITLE: PD Prime Site -- Block diagram

CONTRACT	ENGINEER	PROGRAM MGR	SCALE	SIZE
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PROGRAM	DRAWN	CHECKED	SHEET	REV
	O 05/22/15	EC	ORIGINAL RELEASE	O
FILE	DATE	CODE IDENT	DWG NO	
	05/22/15			

C				
B				
A				
O	05/22/15	EC	ORIGINAL RELEASE	
REV	DATE	ENGR	DESCRIPTION	



To PD Prime Site
Backhaul Switches
via Local Wire

Note:
Black Text = Existing equipment
Red Text = New Equipment

- Note:
- Ethernet
 - T1
 - 5 MHz
 - 5 MHz/1 PPS Composite
 - 1 PPS
 - RF Cable

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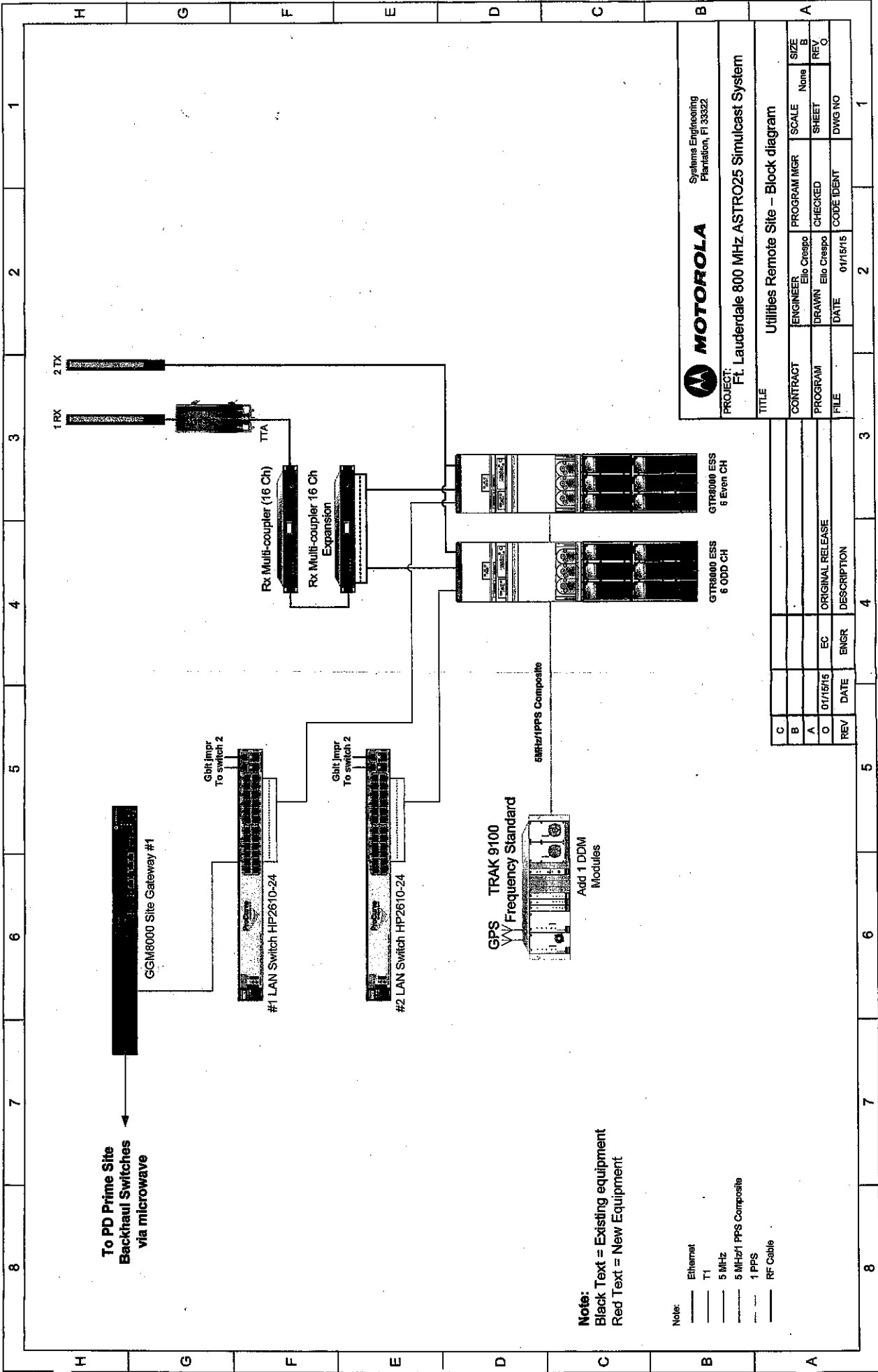
PROJECT: Ft. Lauderdale 800 MHz ASTRO25 Simulcast System

TITLE: PD Co-located Remote Site - Block diagram

CONTRACT	ENGINEER	PROGRAM MGR	SCALE	SIZE
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PROGRAM	DRAWN	CHECKED	SHEET	REV
	Eilo Crespo			O
FILE	DATE	CODE IDENT	DWG NO	
	01/18/15			

REV	DATE	ENGR	DESCRIPTION
B			
A			
O	01/18/15	EC	ORIGINAL RELEASE

13 May 2015



To PD Prime Site
Backhaul Switches
via microwave

GGM8000 Site Gateway #1

Gbit Impr
To switch 2

#1 LAN Switch HP2610-24

Gbit Impr
To switch 2

#2 LAN Switch HP2610-24

Rx Multi-coupler (16 Ch)
Expansion

Rx Multi-coupler (16 Ch)

GPS TRAK 9100
Frequency Standard

5MHz/1PPS Composite
Add 1 DDM
Modules

GTR8000 ESS
6 ODD CH

GTR8000 ESS
6 Even CH

1 RX

2 TX

TTA

Note:
 Ethernet
 T1
 5 MHz
 5 MHz/1 PPS Composite
 1 PPS
 RF Cable



Systems Engineering
Plantation, FL 33322

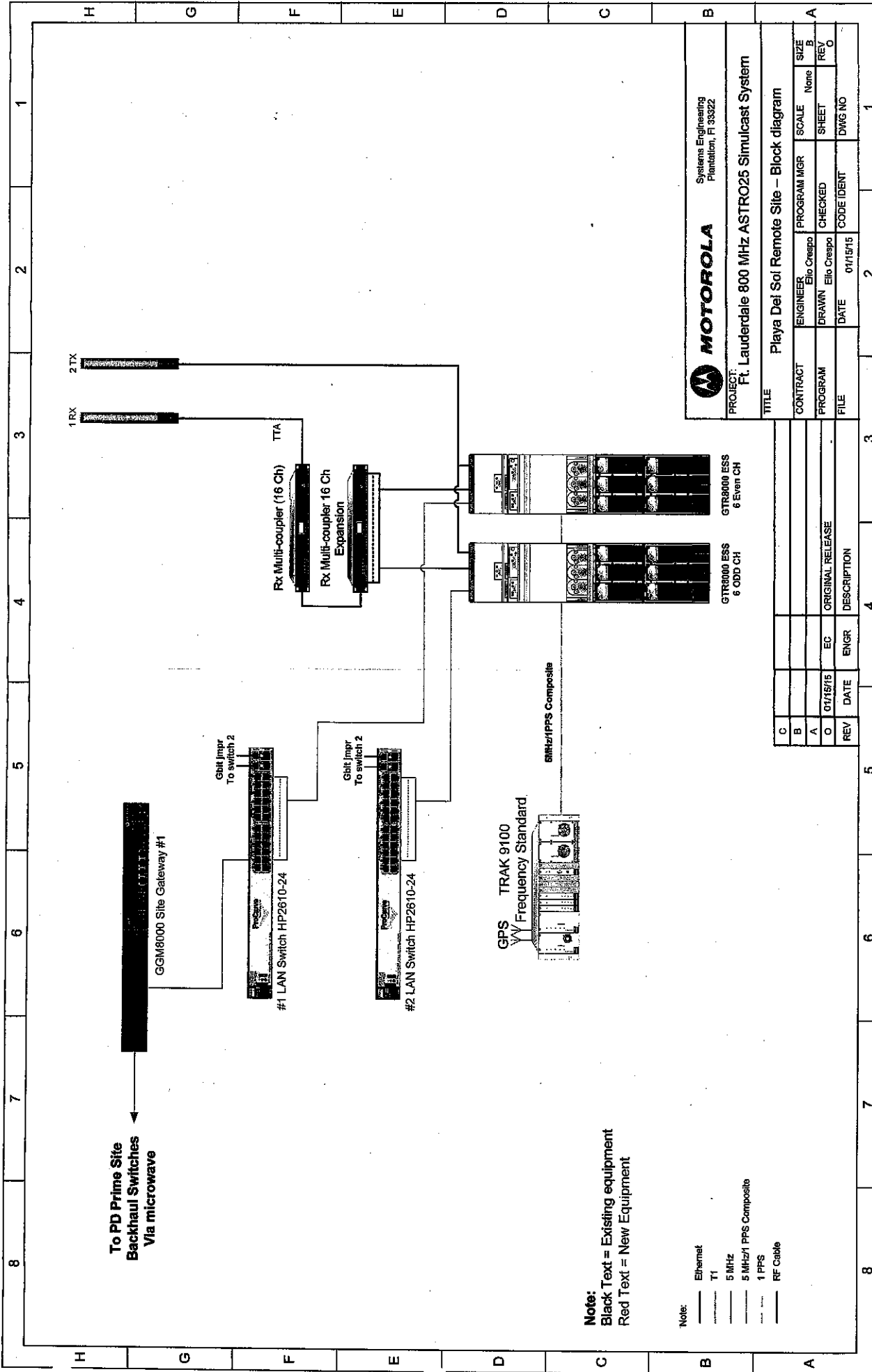
PROJECT: Ft. Lauderdale 800 MHz ASTRO25 Simulcast System

TITLE: Utilities Remote Site - Block diagram

CONTRACT	ENGINEER	PROGRAM MGR	SCALE	SIZE
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	Eilo Crespo			O
FILE	DATE	CODE IDENT	DWG NO	
	01/15/15			

REV	DATE	ENGR	DESCRIPTION
A	01/15/15	EC	ORIGINAL RELEASE
B			
C			

13 May 2015



To PD Prime Site
Backhaul Switches
Via microwave

Note:
Black Text = Existing equipment
Red Text = New Equipment

- Note:**
- Ethernet
 - T1
 - 5 MHz
 - 5 MHz/1 PPS Composite
 - 1 PPS
 - RF Cable



Systems Engineering
Plantation, FL 33322

PROJECT:
Ft. Lauderdale 800 MHz ASTRO25 Simulcast System

TITLE:
Playa Del Sol Remote Site - Block diagram

CONTRACT	ENGINEER	PROGRAM MGR	SCALE	SIZE
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PROGRAM	DRAWN	CHECKED	SHEET	REV
	Elio Crespo			0
FILE	DATE	CODE IDENT	DWG NO	
	01/15/15			

C				
B				
A				
O	01/15/15	EC	ORIGINAL RELEASE	
REV	DATE	ENGR	DESCRIPTION	

13 May 2015

PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 2

COVERAGE

METHODOLOGY

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015



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REF/Control No. PS-000052946

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COVERAGE METHODOLOGY

2.1 COVERAGE OVERVIEW

Coverage Design

Motorola Solutions, Inc. (Motorola) has proposed a three-site linear simulcast system for the City of Fort Lauderdale (City). The site-specific data used in our design is shown in Table 2-1 through Table 2-4.

Table 2-1: RF site coordinates and tower/building heights

Site Name	Latitude	Longitude	Structure Type	Structure Height (feet)
PD	26° 07' 17.00" N	80° 09' 33.00" W	Tower	350
Utilities	26° 10' 35.00" N	80° 09' 24.00" W	Tower	200
Playa Del Sol	26° 10' 17.30" N	80° 05' 54.100" W	Building	280

Table 2-2: RF site transmission line and antenna data transmit parameters

Site Name	GTR 8000 Power (dBm)	Jumper and Splitter Loss (dB)	Combiner Loss (dB)	Main Line Loss (dB)	Antenna Gain TX/RX (dB)	Antenna Height TX/RX (feet)	TX Antenna Type	Antenna Azimuth (deg)	Effective Radiated Power (dBm)
PD East	50	-3.3	3.5	2.1	15	275	BCR-80015-3-25	90	53.6
PD West	50	-3.3	3.5	2.1	15	275	BCR-80015-5	270	56.1
Utilities East	50	-3.3	3.5	1.9	17	170	BCR-80017-3-25	90	58.3
Utilities West	50	-3.3	3.5	1.9	-12.3	170	BCR-80013-3-25	270	53.2
Playa Del Sol	50	-0.3	3.5	.8	13	280	BCR-80013-25	270	58.4

Table 2-3: RF site transmission line and antenna data receive parameters

Site Name	Jumper and Splitter Loss (dB)	Main Line Loss (dB)	Antenna Gain TX/RX (dB)	Antenna Height TX/RX (feet)	RX Antenna Type	Antenna Azimuth (deg)	Effective Receive Sensitivity (dBm)
PD	2	3.7	10	290	SC488-HF1SNF	0	-124.7
Utilities	2	2.4	10	170	SC488-HF1SNF	0	-124.5
Playa Del Sol	2	1.2	13	280	BCR-80013-25	270	-121.5



Table 2-4: Portable parameters – PSM with ¼-wave antenna

Parameter	Value
Model	XTS portable
RF Power	3 W
Configuration	Public Safety Microphone (PSM)
TX ERP	22.1 dBm
Effective Faded Receiver Sensitivity	-97.1 dBm
Antenna Type	¼-wave antenna
Tx Antenna Height	4.9 feet
Tx Antenna Placement	shoulder
Rx Antenna Height	4.9 feet
Rx Antenna Placement	Shoulder

Motorola's coverage guarantee is based on Map 30C in Section 2.3.4. The following details the configurations used for this coverage guarantee.

*Three-site P25 FDMA linear simulcast system (round trip):
Portable using PSM with ¼-wave antenna inside 20 dB building for a service area reliability of 97%.*

Table 2-5 lists coverage maps included in this proposal.

Table 2-5: Coverage maps provided

Map #	FDMA or TDMA	Talk-In/ Talk-Out/ Round Trip	Reliability (%)	Sub-Configuration	Coverage Type	DAQ	Mod
29CW	FDMA	ROUND TRIP (3 SITES)	97	Portable using PSM with ¼-wave antenna; shows coverage beyond service area.	20 dB building	3.0	LSM
30C	FDMA	ROUND TRIP	97	Portable using PSM with ¼-wave antenna; coverage bounded by service area.	20 dB building	3.0	LSM

2.2 COVERAGE PREDICTION METHOD

2.2.1 Hydra Overview

HydraSM is an innovative software tool developed by Motorola to accurately predict coverage, model traffic (voice and data), analyze interference, plan channel re-use, and perform other design tasks for our diverse portfolio of radio networks. This description concentrates on Hydra coverage planning aspects. Our solution presents typical Hydra coverage analysis for the City.

2.2.2 Hydra Development

Motorola's Hydra coverage prediction tool was developed to provide accurate coverage simulations by applying proven models to detailed system and environmental data across large geographical areas.

To create an accurate picture of the predicted radio coverage, many elements must be considered. Some of these elements, called system factors, are related to the system design parameters. System factors affecting coverage performance include frequency, distance, transmitter power, receiver sensitivity, antenna height, and antenna gain. Other factors, called environmental factors, vary according to the path taken by the radio signal and the environment surrounding the receiver. Environmental factors include terrain variations, obstructions, vegetation, buildings, ambient noise, and interference.

All coverage prediction methods try to account for both types of factors and incorporate them into a computational model. In general, the currently accepted models, such as Okumura, Longley-Rice, and TIA provide excellent portrayals of radio coverage when used within their respective ranges of applicability.

In the past, this level of analysis was adequate for the type of basic systems that were available. However, today's complex technologies, such as digital voice radios, packet data systems, or simulcast, require a much more in-depth analysis of the expected coverage performance to create a cost-effective design. This makes it necessary to select the appropriate coverage model, provide accurate representation of the environmental factors throughout the service area, and apply the coverage analysis method to every location within the service area.

Recognizing these facts, Motorola has developed Hydra, a multi-purpose network design tool that includes a coverage analysis program. Taking advantage of the knowledge gained from Motorola's many years of practical experience and coverage testing, Hydra provides a superior means for analyzing system coverage. This program, unique to Motorola, employs a technique of computing coverage on every tile in a service area rather than along a finite number of radials. Hydra computes "layers" of these tiles, with each layer containing the values of propagation model losses, coverage simulation results, or datasets. Layers can be displayed separately or in any combination as maps of the service area.



2.2.3 Hydra Detailed Description

Inputs and Outputs

Inputs to Hydra simulations include system architecture, equipment characteristics, service area boundaries, areas of various building losses, subscriber unit distribution density for traffic analysis, etc.

Hydra coverage map outputs are created and displayed using ESRI's shapefiles, an industry-standard GIS file format. Shapefiles from many sources (GIS vendors, the Internet, your own GIS department, etc.) can be loaded, displayed, and used in Hydra to enhance mapping, and to define service area polygons. Hydra coverage analyses can be limited to specified service area polygons (e.g., a county, a city, or a dispatch territory), so coverage reliability can be analyzed exclusively within the boundaries of your operating area.

In addition to showing coverage reliability, Hydra maps can display terrain, land cover, roads and boundaries, signal strength and field strength, interference predictions, etc.

Hydra provides closed-loop integration between predicting coverage and verifying coverage using Motorola's VoyagerSM coverage acceptance testing tool. Field survey measurements—signal strength, Bit Error Rate (BER), and Message Success for data—can be loaded into Hydra for analysis, display, and printing.

Tile Method

Hydra uniformly divides the entire geographical area to be analyzed into small, distinct areas called tiles. The resolution (size) of the tiles can be as fine as one arc-second (approximately 100 feet at U.S. latitudes). At each tile, Hydra models propagation from each site in the system.

The tile method is of particular importance in the calculation of simulcast coverage and interference analysis. Radial methods determine performance only at the locations where radials from all sites cross, leaving many areas where coverage performance is not calculated. With the tile method, the information from every site and all datasets is available in every tile; this provides the most accurate results for multi-site analyses (simulcast, voting, interference, best server, etc.).

Datasets

For propagation prediction, Hydra uses two types of geophysical datasets:

1. Hypsographic (terrain elevations) to determine shadow loss and elevation.
2. Morphological (land use) for environmental clutter loss.

With the proper datasets, Hydra produces accurate results. Because propagation prediction accuracy is directly dependent on the quality of the digitized datasets, Motorola uses high-quality datasets for its analyses. These datasets generally originate from official government agencies such as the U.S. Geological Survey in the United States, and equivalent governmental organizations worldwide. When datasets are not available from these sources, Motorola can work with commercial GIS vendors to produce Hydra-compatible datasets.

Even the best datasets contain a certain amount of errors, caused by a number of factors that are difficult to completely overcome due to the massive amount of data involved. Some examples follow:

- Source information – Older hypsographic and morphologic datasets were derived from existing map information, so any errors in the existing maps were carried over to the datasets. Newer datasets such as the U.S. National Land Cover Dataset (NLCD) are derived from satellite imagery, and are affected by digitization error.
- Dataset development process – Potential error sources include limitations in the digitizing algorithms, computer hardware problems, and judgment calls by the dataset developer.
- Dataset currency – Since the physical world is constantly changing, datasets can never be completely up-to-date. Over time, forests and shrub land are turned into farmland, hills are leveled, roads are built, communities are developed, and large buildings are constructed. Natural phenomena such as earthquakes, volcanoes, fires, storms, etc., change both the topography and environmental factors.

Hydra, like all terrain-based propagation tools, provides coverage predictions that are only as accurate as the available datasets permit. In the U.S., Motorola uses high-quality terrain and land cover data derived from USGS 30-meter DEM and NLCD sources.

Other datasets, which Hydra can use, include the following:

- Planimetric (mapping) – Roads, water features, political boundaries, feature names, etc.
- U.S. radio site locations – Coordinates of existing radio sites, including FCC wireless licenses, FCC antenna site registry, and some commercial site providers.
- U.S. frequencies – Potentially available channels in geographic areas, per FCC wireless licenses.

Propagation Model

For each tile, Hydra predicts signal strength using an improved algorithm based on the industry-accepted Okumura model.¹

Coverage Reliability

Hydra coverage maps indicate the probability (usually referred to as reliability) of the radio system providing a minimum acceptable criterion, such as a voice Delivered Audio Quality (DAQ) or a data Message Success Rate (MSR). Since system coverage can never be 100% reliable, there will always be particular times and locations where the signal strength or Bit Error Rate (BER) does not meet that needed to reach the performance criterion. These locations of unsatisfactory performance are often predictable in a coverage study. However, there are also areas of unsatisfactory coverage that cannot be predicted due to unknown circumstances such as unusual structures, tree density, ambient noise, atmospheric conditions, dataset errors, and interference from co-channel or adjacent channel units operating outside their normal service area. *Because these conditions exist and signals fade due to these environmental and terrain factors, coverage must be described statistically in terms of a percentage of locations that exhibit the minimum acceptable criterion.*

Hydra predicts Area reliability, defined as the probability of achieving a specified performance criterion within a geographical area of interest. The area of interest is either the Covered Area (the painted area on a Hydra coverage map), or the entire Service Area.

¹ Okumura, Yoshihisa *et al*, "Field Strength and Its Variability in VHF and UHF Land-Mobile Radio Service", *Review of the Electrical Communication Laboratory*, 16(9-10), Sept-Oct 1968, pp 825-873.



To provide radio systems with acceptably few communications failures throughout the Covered Area, Motorola designs coverage at high Area reliabilities. The performance criterion is usually DAQ for voice or MSR for data. It is also important to note that locations outside of a Hydra map coverage area may still provide useable communications, even though such locations do not achieve the minimum acceptable performance.

2.2.4 Hydra Capabilities

Hydra provides detailed performance simulation of the following Motorola wireless network architectures:

- Voice coverage and traffic (Analog FM, ASTRO[®], SECURENET[™], etc.).
- ASTRO 25 Integrated Voice & Data (IV&D) coverage and traffic.
- Dimetra[®] coverage and voice traffic.
- High Performance Data (HPD).
- Long Term Evolution (LTE) data coverage.

If co-channel and/or adjacent-channel sites are known to exist, Hydra can model both Interfered and non-Interfered coverage.

Hydra frequency re-use planning analysis takes into account both co-channel and adjacent channel frequencies.

Voice Systems

Hydra coverage models use proven Okumura-based prediction methods and Monte Carlo simulation techniques to provide coverage reliability maps. Voice coverage models (Voice, Dimetra, and ASTRO 25) provide system-wide coverage maps, as well as subsystem maps (when applicable; e.g., for simulcast cells and receiver voting), and individual site maps.

Simulcast Coverage Performance

For a simulcast system, merely providing coverage maps of individual sites (separately or on the same map) does not accurately represent the total system performance, which depends upon differential delays and aggregate signal levels. Therefore, Motorola has developed the Hydra simulcast model that uses the delay spread methodology to simulate aggregate signal strength and audio phase angle (delay) throughout the entire predicted coverage area. All locations within the predicted coverage area are analyzed for the combined effect of signal strengths and differential delays from the simulcast transmitters in the system. Hydra simulcast coverage maps will show any areas predicted to have coverage problems caused by out-of-phase signals and/or inadequate signal strengths. Hydra allows modeling with varied transmitter launch delays to predict optimized simulcast coverage within the area being evaluated.

Data Systems (ASTRO 25 IV&D, HPD, and LTE)

Wireless data network performance is highly dependent on RF coverage reliability, network protocol, and network traffic load. Hydra accurately predicts the coverage and traffic performance of Motorola data systems by modeling the automatic protocol retry mechanisms of data protocols. Hydra integrates RF coverage prediction, network protocol modeling, and traffic engineering into a single simulation, and utilizes Monte Carlo simulations as well as discrete event simulation techniques to provide a tool that accurately predicts wireless network system performance.

Hydra uses the Okumura model for terrain-based propagation prediction, and adds the modeling of the protocol behavior (try-based coverage) via a detailed protocol simulation. Hydra models the relevant layers of the OSI protocol stack, from the physical layer of the air interface to the application layer of the host and subscriber entities.

Using this modeling approach, Hydra can account for all the elements that impede network performance, from packet loss on the wireless link due to co-channel interference, to packet latencies in the fixed end equipment introduced by protocol behavior. Hydra's modeling architecture allows true end-to-end system modeling.

Data Coverage

Hydra's data coverage model, through multiple iterations, displays the area that meets the MSR performance criterion requested by the user. The system-wide maps show the composite coverage from multiple sites, at the specified area reliability criterion and for the specified number of protocol tries.

Data Traffic

Hydra integrates coverage prediction into the traffic simulation, so the terrain and subscriber distribution effects on packet collisions and interference are modeled in the simulation. Traffic simulation results provide performance statistics for the RF station, radio channel, controller, and application(s). Hydra allows predicting the performance of the actual network topology as designed by the engineer.

2.2.5 Summary

Hydra is continually updated for the latest technologies by Motorola's Resource Development Engineering team, to create the most accurate and up-to-date coverage and traffic prediction tool. It is used extensively in the design and testing phases of Motorola's radio networks. Hydra provides accurate, easy-to-read maps of the predicted coverage for your radio system.



2.3 COVERAGE ACCEPTANCE TEST PLAN

2.3.1 Overview

This Coverage Acceptance Test Plan (CATP) is designed to verify that the voice radio system implemented by Motorola meets or exceeds the required coverage reliability within the City service area. The CATP defines the coverage testing method and procedure, the coverage acceptance criterion, the test documentation, and the responsibilities of both Motorola and the City.

Coverage acceptance testing is based upon a coverage prediction that accurately represents the implemented infrastructure and parameters consistent with the contract agreements. If the implemented system varies from the design parameters, a revised coverage map will be prepared. New test maps will reflect the measured losses and gains associated with the implemented infrastructure and subscribers. These will be used to define the test configuration and potential areas from which test locations may be included in the evaluation process.

The defined service area as outlined in this CATP is the City of Fort Lauderdale service area.

To verify that the radio service area reliability is met as presented, the City's service area will be divided into approximately 560 equally-sized test tiles for Coverage Map 30C (Figure 2-1).

Per customer's request, Motorola has defined the in-building loss factor to be 20 dB. Coverage Map 30C was used to create the CATP Grid Test Map to evaluate 97% area reliability for portable using PSM with ¼-wave antenna inside 20 dB building with DAQ 3.0 (Figure 2-1).

Table 2-6 details the service area reliabilities for the configuration being tested. The service area reliability is the percentage of test tiles that will pass within the service area with a specified CPC or DAQ. Motorola will perform CATP for the XTS portable using PSM with ¼-wave antenna inside 20 dB building.

Table 2-6: Predicted system coverage

Equipment Configuration	% Service Area Reliability for the City of Fort Lauderdale
XTS portable using PSM with ¼-wave antenna in 20 dB building	≥97% City's Service Area for DAQ 3.0

2.3.2 CATP Definitions

Several definitions are needed to accurately describe the coverage test method.

2.3.2.1 Coverage Area

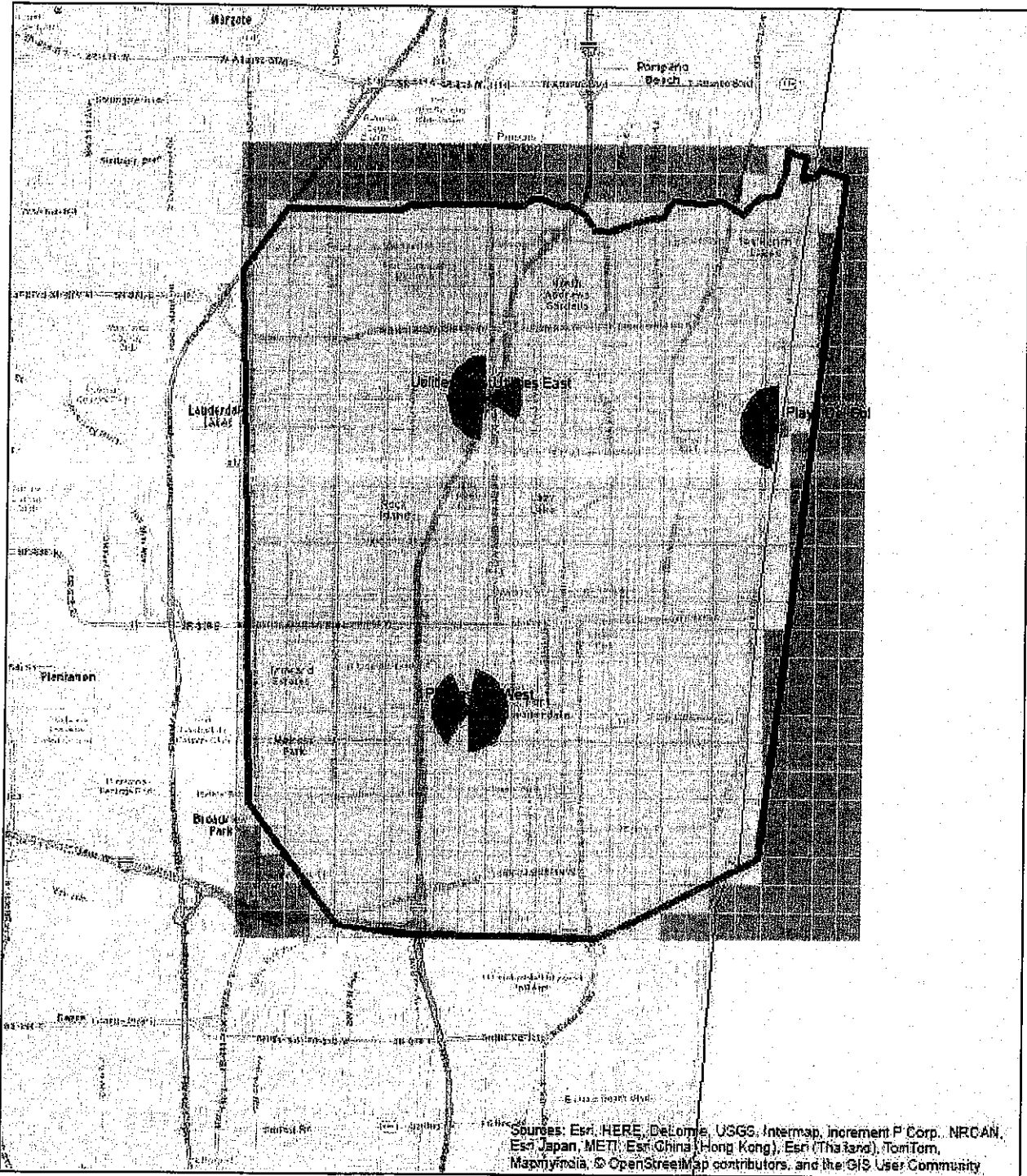
The coverage area is the geographical region in which communications will be provided that meets or exceeds the specified CPC at the specified reliability for the specified equipment configurations. For portable using PSM with ¼-wave antennas inside 20 dB building with DAQ 3.0, the test grid map in Figure 2-1 will be used to evaluate coverage performance for 97% area reliability for both objective signal strength test and subjective audio test.





Fort Lauderdale, FL

Test Grid Map (560 Grids)



0 1 2 4 Miles

97% Reliability DAQ 3.0

1 inch = 1.58 miles

Projection: World_Mercator

Elio Crespo

Apr 02, 2015

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Figure 2-1: Portable testing inside 20 dB building for 97% area reliability

13 May 2015
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City of Fort Lauderdale, Florida
Project 25 System Upgrade
REF/Control No. PS-000052946

2.3.2.2 Reliability

Reliability is the percentage of locations within the coverage area that meet or exceed the specified CPC. Coverage Map 30C indicates the area within which this system is predicted to provide at least 97% reliability for portable using PSM with ¼-wave antenna inside 20 dB buildings with a DAQ 3.0.

2.3.2.3 Channel Performance Criterion

CPC is the specified minimum design performance level in a faded channel. For this CATP, the CPC is DAQ 3.0 for portables inside 20 dB building. The DAQ definitions are provided in Table 2-7.

Table 2-7: DAQ definitions

DAQ	Faded Subjective Performance Description
1	Unusable, speech present but unreadable.
2	Understandable with considerable effort. Frequent repetition due to noise/distortion.
3	Speech understandable with slight effort. Occasional repetition required due to noise/distortion.
3.4	Speech understandable with repetition only rarely required. Some noise/distortion.
4	Speech easily understood. Occasional noise/distortion.
4.5	Speech easily understood. Infrequent noise/distortion.
5	Speech easily understood.

2.3.2.4 Service Area Reliability

The service area reliability is the percentage of test tiles that will pass within the service area with a specified CPC or DAQ. The service area reliability is noted in the header of Table 2-6 and meets the requirements of the proposed coverage.

The defined service area is outlined in this CATP as per the City of Fort Lauderdale. The outline of this service area is depicted on each coverage map. Motorola has indicated the CPC Service Area Reliability of this area in Table 2-6 of this document for the losses detailed in this proposal. Although the coverage maps do not guarantee coverage within a specific location, they do indicate the ability of the system to overcome the expected losses of these buildings.

2.3.2.5 Equipment Configurations

There is one configuration for the field unit equipment or subscriber upon which coverage acceptance is based. Motorola's coverage map for this system indicates the coverage area for a three-watt portable with PSM using ¼-wave antenna.

The proposed P25, three-site linear simulcast design supports this configuration.

In-Building Coverage

Motorola's coverage maps for portable in-building equipment configurations are predictions of coverage inside 20 dB loss buildings. Since building loss varies significantly depending on the construction of buildings, Motorola's coverage maps do not predict coverage within any specific building, but rather, the in-building coverage maps indicate the area within which this system is predicted to provide the percentage reliability of meeting or exceeding the CPC of DAQ 3.0.

2.3.3 CATP Method

The method used to test coverage is statistical sampling of the predicted coverage area to verify that the CPC is met or exceeded at the required reliability for the defined equipment configuration. It is impossible to verify every point within a coverage area, because there are infinite points; therefore, coverage reliability will be verified by sampling a statistically significant number of randomly selected locations, quasi-uniformly distributed throughout the predicted coverage area.

This CATP provides an objective, quantitative method of measurement using Motorola's Voyager software in conjunction with an XTS portable radio for location reference, signal strength measurements, and recording.

The CATP also provides a subjective audio quality test by using actual equipment configured as it will be used in the system.

If a coverage test, or a portion thereof, is suspected by Motorola to have failed due to external interference, those tiles suspected of being affected by an interferer may be retested. If the tiles (or test points) retested are confirmed to have failed due to interference, those tiles (or test points), including test points that have marginally passed, will be excluded from all acceptance calculations and Motorola will work with the City to identify potential solutions to the interference issues.

If a coverage test, or a portion thereof, is suspected by Motorola to have failed due to the system malfunctioning and being in need of repair, those tiles (or test points), including test points that have marginally passed, suspected of being affected by this may be retested. The coverage testing will be stopped until the repairs are made. After the repairs are made, Motorola will retest only the tiles (or test points) that failed due to the system malfunctioning and being in need of repair.

Determine the Required Number of Test Tiles in the Coverage Area

The predicted coverage area shown on Motorola's coverage maps and service area will be divided into a tile pattern to produce at least the number of uniformly sized test locations (or tiles) required by the Estimate of Proportions formula {TSB-88B, sub clause 8.2.1, equation 64}. The minimum number of test tiles required varies for different systems, from a hundred to many thousands, depending on the size of the service area, desired confidence in results, type of coverage test, and the predicted versus required reliability. Motorola's Hydra coverage modeling tool calculates the required test tiles as described.

Constraints on Test Tile Sizes

The minimum tile size is 100 by 100 wavelengths; however, the minimum practical test tile size is typically about 400 by 400 meters (about 0.25 by 0.25 miles). The minimum practical tile size for any system is determined by the distance traveled at the speed of the test vehicle while sampling, GPS error margin, and availability of road access within very small test tiles. A related consideration is the time, resources, and cost involved in testing very large numbers of very small tiles. The maximum test tile size is 2 by 2 km (1.25 by 1.25 miles). In some wide-area systems, this constraint on maximum tile size may dictate a greater number of test tiles than the minimum number required by the Estimate of Proportions formula. This CATP will be performed for test tile size of approximately 0.25 by 0.25 miles.

Accessibility to Test Tiles

Prior to testing (if possible) or during the test, Motorola and the City will determine whether any test tiles are inaccessible for the coverage test (due to lack of roads, restricted land, etc.). Motorola expects to test all test tiles within the service area and expects the City to provide access to all test tiles that require other than a standard four-wheel drive vehicle. If the City cannot provide access, inaccessible tiles with predicted coverage will be counted as a pass for the acceptance test calculation.



Randomly Select a Test Location within Each Tile

Using Voyager, the actual test location within each test tile will be randomly selected by the test vehicle crossing into the tile at an arbitrary point, with an arbitrary speed and direction. This will be the queue for the objective sampling test to begin.

Perform Subjective Voice Quality Test in Each Tile

A subjective voice quality test will be performed in each tile to determine if the inbound and outbound voice quality passes or fails the CPC for DAQ 3.0 as defined in Table 2-7. The results of the subjective voice quality test will determine the final pass/fail criterion for the Coverage Acceptance Test Procedure (CATP).

After all accessible tiles in the coverage area have been tested; the coverage area reliability (percentage) will be determined by dividing the number of tiles that pass by the total number of tiles tested for subjective voice quality result. The total number of tiles is defined as the summation of the tiles tested in the City of Fort Lauderdale service area. The coverage test acceptance criterion for each equipment configuration is that the tested coverage area reliability must be equal to or greater than the required reliability as shown in Table 2-6.

Perform Objective Signal Strength Test Measurements in Each Tile

In each test tile, a series of 200 or more sequential SSI measurements (sub-samples) will be made. This test location measurement, containing a number of sub-samples, constitutes the test sample for this location. The test sample will establish the local mean and median SSI within the test tile. With this measurement, the required target SSI can be extrapolated for each configuration and loss required. The distance over which the sub-samples are measured will be 40 wavelengths. A mean or median of multiple SSI sub-samples is used rather than a single measurement to ensure that the measurement is not biased by taking a single sample that might be at a peak or null point on the radio wave.

The results of the objective signal strength test will be for informational purposes only.

Objective Signal Strength Test Pass/Fail Target Value

For each test tile, the pass/fail criterion for the objective target signal strength test that indicates the specified DAQ 3.0 shown in Table 2-8. To simulate losses of buildings, the loss is simply extrapolated from the measured faded SSI. The target faded SSI is the actual signal level as measured by the test radio at the input connector.

Table 2-8: Net target signal strength indication – portable using PSM

Objective Test	Portable Faded Sensitivity (dBm) DAQ 3.0	Portable Faded Target SSI (dBm) DAQ 3.0	Adjustments for Mobile Antenna Loss/Gain, Portable Antenna & Building Loss (dB)
Large building (20 dB)	-109.9	-81.4	-28.5 (-12.7 ² -20.0+4.2 ³)

² The -12.7 dB is the antenna loss figure for the ¼-wave antenna on a XTS portable public speaker microphone and standard battery.

³ The +4.2 dB is the mobile antenna and transmission line that a portable does not have and thus must be added back to get the signal at the input to the test radio.

2.3.4 Responsibilities and Preparation

This information will help set the expectations of the City and Motorola regarding requirements for equipment, personnel, and time during the coverage test.

The City will provide the following for the duration of the coverage test:

- Two test teams are required. Team #1 will be a field team and Team #2 will be a dispatch team.
 - Team #1 will consist of at least one City representatives and one Motorola representative.
 - Team #2 will consist of at least one City representative and one Motorola representative.
- One vehicles for the duration of the test.

Motorola will provide the following for the duration of the coverage test:

- One Motorola representative to operate one Voyager kit.
- Setup subjective voice quality test per Figure 2-2.
- Setup objective signal strength test using voyager kit per Figure 2-2.
- One calibrated Motorola Voyager coverage testing package.
- Two test radios for each field team member (will use calibrated subscribers).

Coverage acceptance testing will be performed within the borders of the City's service area. Motorola has determined the minimum number of test tiles required, as described in Section 2.3.1 of this CATP. Motorola and the City will plan the route for the test vehicles through the coverage test area, to ensure that at least the minimum required number of tiles is tested. If possible, any tiles not accessible to the test vehicles will be identified while planning the route.

Motorola will calibrate the test radios (standard XTS portables) used with the Voyager coverage-testing package. This can be done at an independent testing lab or facility using their calibrated signal generating equipment. Depending on the system, either Motorola or the City may provide the test radios.

Motorola will conduct this test only once. If any portion of the test is determined to be unreliable because of proven equipment malfunctions or failures, Motorola will repeat the portion of the test affected by the equipment malfunction or failure, including test points that have marginally passed. The City will have the option to accept the coverage at any time prior to completion of the coverage test.

Before starting the test, the City and Motorola will agree upon the time frame for Motorola's submission of a report containing the coverage test results.



2.3.5 CATP Procedures

Subjective Voice Quality Testing

A subjective voice quality test will be performed for coverage acceptance testing to verify talk-out and talk-in for the required DAQ 3.0 performance. The Subjective Voice Quality Testing will be performed in parallel of the Objective Signal Strength Test.

The procedure for the subjective DAQ coverage test will be as follows:

- To perform a statistically valid subjective DAQ test, a large group of people is required to ensure high confidence in the results. However, obtaining a large group of people for a subjective listening test is usually impractical; therefore, a smaller group must be used for the test which makes it very important that the personnel participating in the subjective test be familiar with the sound of radio conversations.
- The test participants will be divided into two teams: the Field Team and the Dispatch Team.
- Each team will have a representative from the City and a representative from Motorola.
- The field team will have members that operate a portable unit configured per Figure 2-2.
- As the field test team(s) drive through the coverage area, test locations within each tile will be selected randomly by Voyager that will be conducting the objective SSI testing. The voice subjective test may begin after the sampling is complete. This is to prevent any degradation to the receiver sampling the SSI.
- The field team will initiate a call and identify the test location by the current x-y tile number. A test count "1, 2, 3, 4, 5" will be provided to Dispatch Team. The dispatch test team will then log the test location and determine if the voice test passes or fails per the DAQ criteria as defined in Table 2-8 and makes note of the result. The dispatch team will then respond with a test count "Test 1, 2, 3, 4, 5" back to the field team who, in turn, will make similar determination and recording of the result.

The tile pass/fail evaluations will be used to determine the coverage area reliability of the defined coverage areas in Table 2-8.

- If any test point should fail, the test team will move three feet and perform another test in the same manner.
- A test point result is considered a "pass" only if both the inbound and outbound tests are each a "pass".
- Motorola reserves the right to review any test tiles that fail the subjective DAQ tests.

Objective Signal Strength Testing Measurements

The Motorola Voyager coverage test setup consists of the following:

- A calibrated digital voice test radio, connected to an antenna installed in a representative location on the test vehicle. The test radio will monitor sequential transmissions within each grid from the fixed network radio site(s).
- A laptop computer with Voyager software and a mapping database, which includes highways and local streets, political boundaries, rivers, and railroads.
- A Global Positioning System (GPS) receiver, which will provide the computer with the location and speed of the test vehicle.

Objective BER and SSI Testing and Subjective Voice Quality Testing

Both the subjective and objective testing as described will be performed at the same time but will be evaluated independently of each other. A failed tile for the objective test does not constitute a failure



for the subjective testing. The reason for this is that the points are taken at different times (thus at different locations). The modeling does not predict the probability of one location against the other but predicts area reliability of all test points for each test. Final pass/fail analysis is based on the subjective voice test and the BER and Objective SSI Testing results are for information only.

2.3.6 CATP Documentation and Coverage Acceptance

During the coverage acceptance test, Voyager generates computer files that include the mean and median SSI for each test tile. It also generates a raw file that has the multiple samples for each test point taken. A copy of this raw data will be provided to the City at any time.

Motorola will process this data to determine whether the coverage test was passed for the equipment configurations and to produce a map that graphically displays the statistical coverage test results along with the analyzed numbers of the passes and failures.

Motorola will submit to the City a report detailing the coverage test results. This report will include a document, which is to be signed by both the City and Motorola, indicating the test was performed in accordance with this CATP and the results of the test indicate the acceptance or non-acceptance of the coverage portion of the system. The City will have the option to accept the coverage at any time prior to completion of the coverage test or documentation process.

2.4 COVERAGE MAPS

The coverage maps referenced in Section 2.1 are provided at the end of this section.

2.5 CATP CONFIGURATION DRAWING

The CATP configuration drawing is provided below (Figure 2-2).

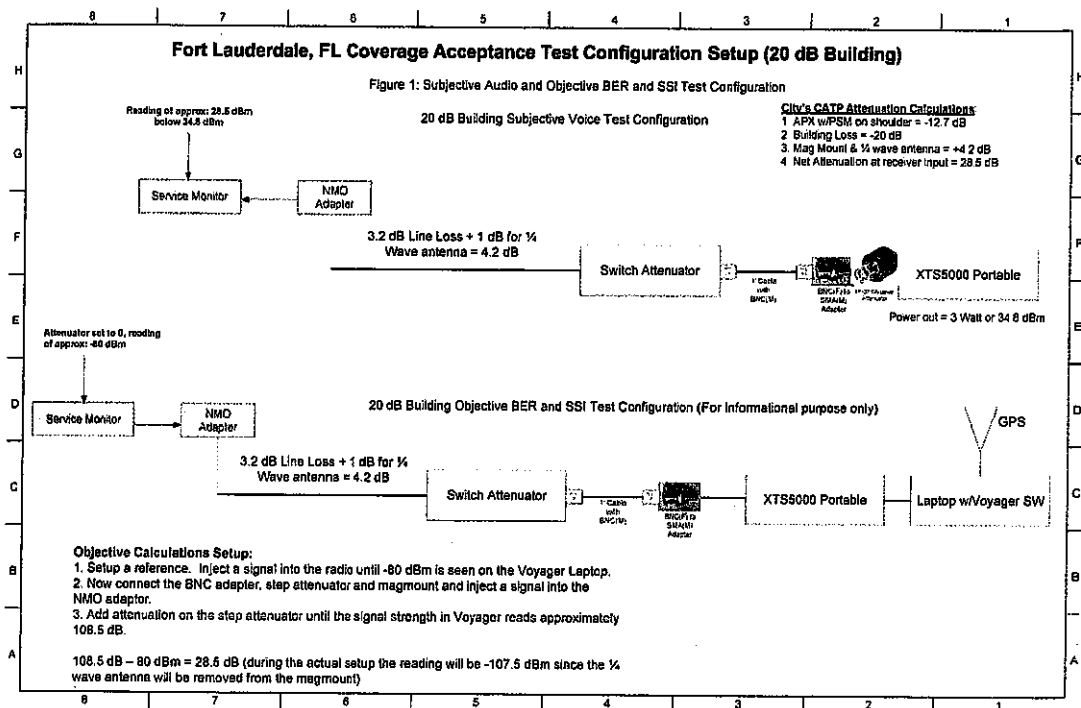


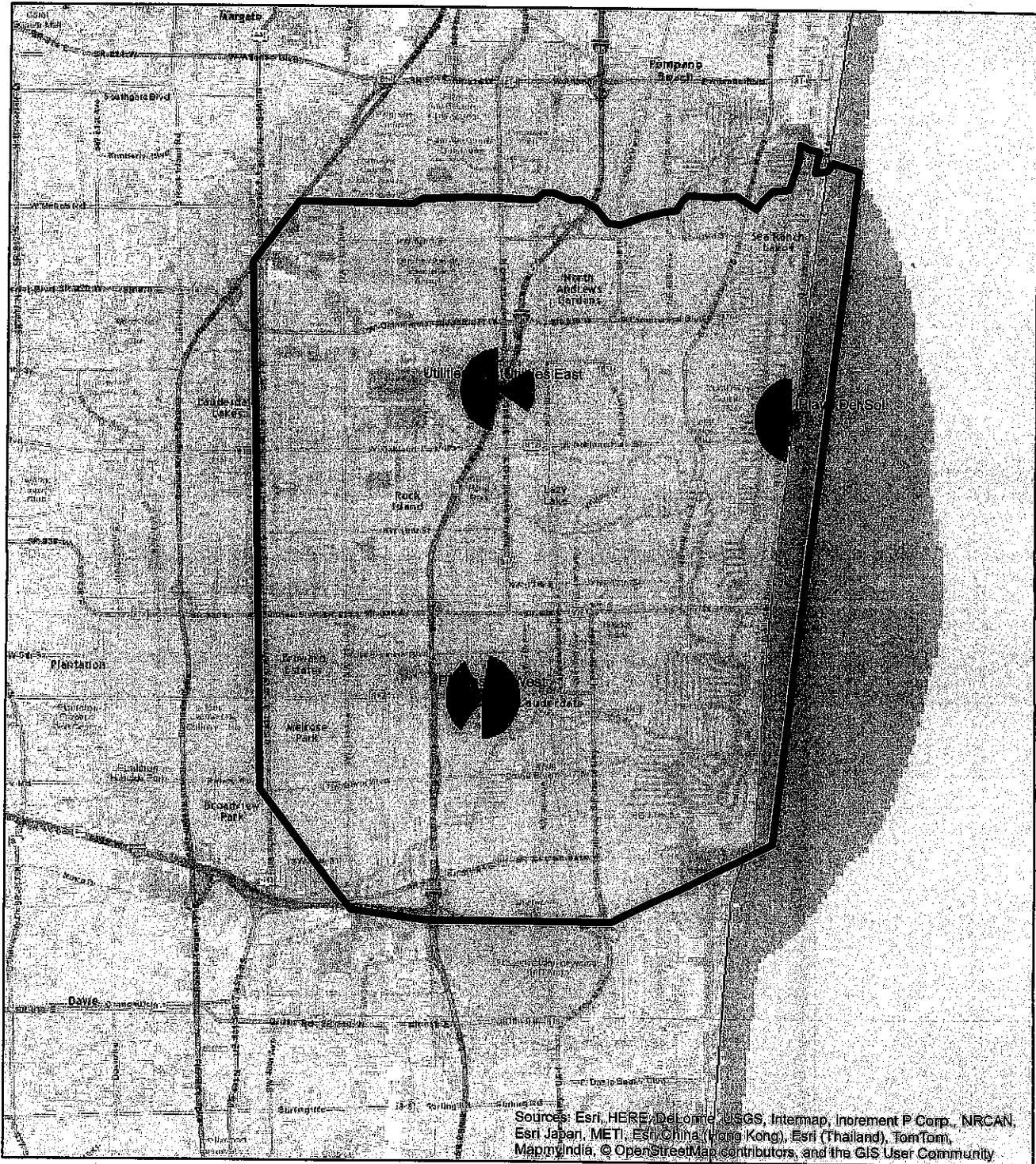
Figure 2-2: Subjective audio test configuration



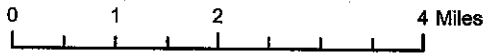
MOTOROLA

Map 29CW Round Trip (FDMA) - Fort Lauderdale, FL

XTS Portable using PSM with 1/4 wave Ant in 20 dB Building



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapIndia, © OpenStreetMap contributors, and the GIS User Community



97% Reliability DAQ 3.0

1 inch = 1.58 miles Projection: World_Mercator

Apr 02, 2015

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13 May 2015

Elio Crespo

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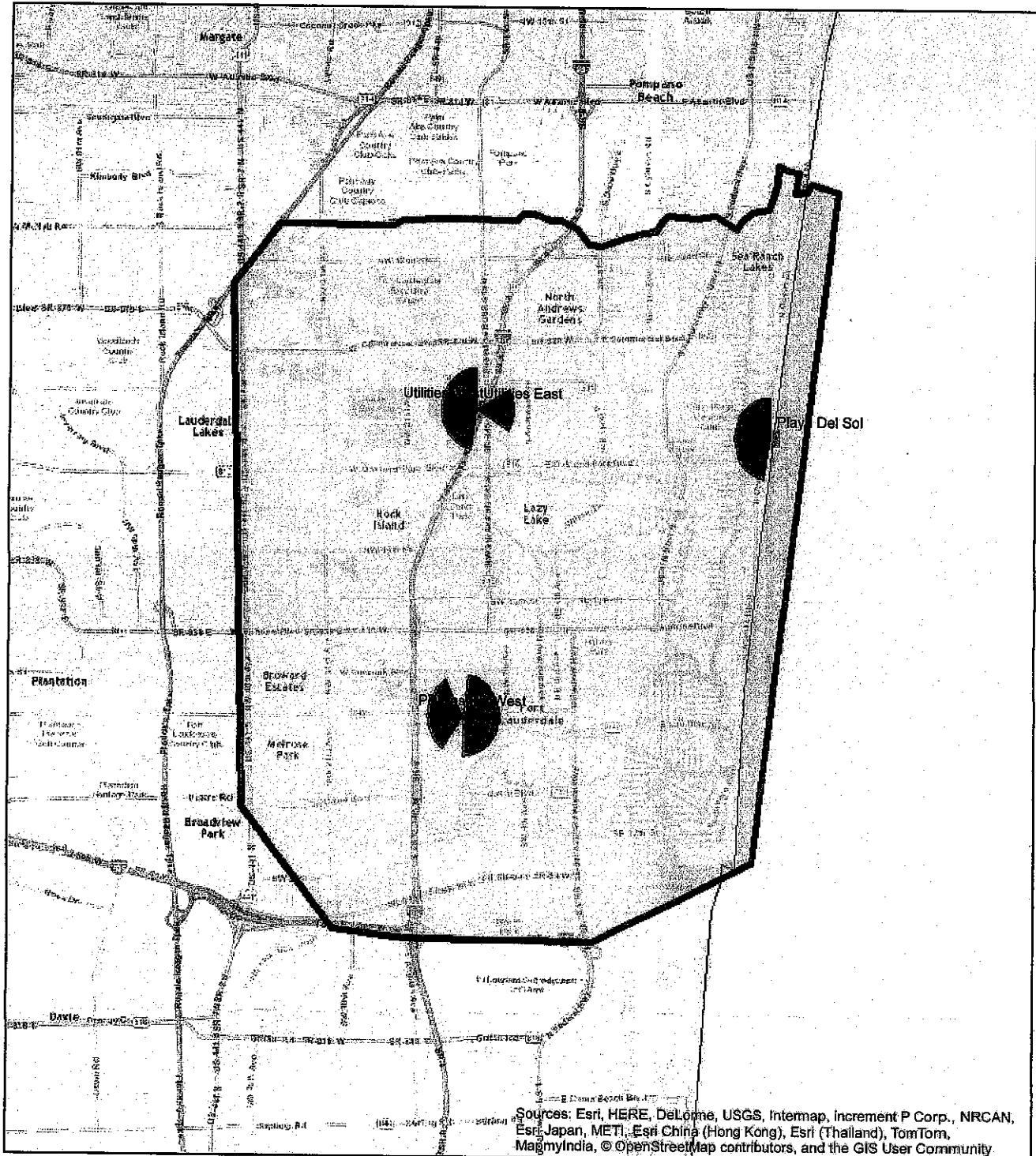
2-17



MOTOROLA

Map 30C Round Trip (FDMA) - Fort Lauderdale, FL

XTS Portable using PSM with 1/4 wave Ant in 20 dB Building



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MagmyIndia, © OpenStreetMap contributors, and the GIS User Community

0 1 2 4 Miles

97% Reliability DAQ 3.0

1 inch = 1.58 miles

Projection: World_Mercator

Elio Crespo

Apr 02, 2015

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PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 3

STATEMENT OF

WORK

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015



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REF/Control No. PS-000052946

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STATEMENT OF WORK

3.1 GENERAL INFORMATION

This Statement of Work (SOW) defines the principal activities and responsibilities of all parties for the implementation of the Project 25 (P25) radio communications system for the City of Fort Lauderdale (City).

The tasks described herein will be performed by Motorola Solutions, Inc. (Motorola), its subcontractors, and the City to implement the solution described in Section 1 System Description. It describes the actual work involved in installation, identifies the installation standards to be followed, and clarifies the responsibilities for both Motorola and the City during the project implementation. Specifically, this SOW provides:

- A summary of the phases and tasks to be completed within the project lifecycle.
- A list of the deliverables associated with the project.
- A description of the responsibilities for both Motorola and the City.
- The qualifications and assumptions taken into consideration during the development of this project.

This SOW provides the most current understanding of the work required by both parties to ensure a successful project implementation. In particular, Motorola has made assumptions of the sites to be used for the new system. Should any of the sites change, a revision to the SOW and associated pricing will be required. It is understood that this SOW is a working document, and that it will be revised as needed to incorporate any changes associated with contract negotiations, Contract Design Review (CDR), and any other change orders that may occur during the execution of the project.

Motorola is providing a P25 FDMA, 12-channel, three-site trunked linear simulcast radio communication system for the immediate use of all Public Safety users. Local Government users will stay on the existing 800 MHz SmartZone system, which will be reconfigured to operate on up to 12 channels and 4 sites. Interoperability between the Public Safety and non-Public Safety users will be maintained through the interface connectivity of both systems to the Motorola P25 Hosted Master Site. Because both the P25 system and the SmartZone system are connected to the Motorola P25 Hosted Master Core, **radio-to-radio and console-to-radio interoperability** can be achieved, for example, if by programming a talkgroup called "P25-SZ INTOP" on a radio subscriber using the P25 system and the same talkgroup is programmed on a radio subscriber using the legacy SmartZone system, then that two radio subscribers will be able to transparently communicate to each other without the need of complicated patches. **For maximum interoperability among 3600 and ASTRO® 25 radios, they should be programmed within the 3600 individual ID fleetmap range, which is 700001 to 765534 and excludes 708128 to 708191.**

The solution provides the following items:

- P25 FDMA, 12 channels, at the existing three sites.
- Subscriber flash upgrades for 234 Public Safety radios.
- Reuse transmit and receive antenna systems at PD and Utilities sites.
- Reuse tower top amplifier and multicoupler units at PD, Utilities and Playa De Sol sites.
- Add new transmit and receive antenna at the Playa Del Sol site.
- Reuse existing 45 Mbps loop microwave system.



Backhaul connectivity between the following sites is not provided and will be the City's responsibility:

- 2 T1s from PD to Motorola Hosted Master Site to support SmartX link for legacy system.
- 1 T1 from PD to Motorola Hosted Master Site to support Network Management Clients.
- 1 5 Mbps Metro Ethernet Link from PD to Motorola Hosted Master Site to support new P25 system.

3.1.1 System Implementation Overview

Motorola's proposal to the City provides systems integration and implementation services to deploy a fully functional communications system. Motorola's experience as a Systems Integrator, deploying large and complex communication and software systems, will provide a smooth system implementation and cutover to the new communications system. This SOW specifically addresses the implementation of the ASTRO 25 system.

Motorola's local Systems Integration teams are highly skilled at deploying systems of the size and complexity of the City's communications system. The ASTRO 25 system project schedule provides a phased approach to implementation, with the following phases:

- Project Initiation and Kickoff.
- Contract Design Review.
- Order Processing, Manufacturing, and Factory Testing of the ASTRO 25 System.
- Installation.
- Systems Integration and Optimization.
- Acceptance Testing of the System.
- Subscriber Programming.
- Cutover.
- Project Finalization.



A preliminary design has been provided as a part of this proposal, which serves as a baseline for the CDR. The CDR encompasses the design finalization of the major subsystems, and the overall schedule. Motorola will work closely with the City to develop a detailed cutover plan to transition to the new communications system. At the end of the CDR phase, detailed Design Documents will be provided to the City.

Equipment manufacturing is followed by factory staging of the radio infrastructure at the Customer Center for Solutions Integration (CCSi) in Schaumburg, Illinois. Factory staging provides for initial assembly and testing of all radio system components, and will allow testing of the functional capabilities of the communications system. This process will allow the City (if the City chooses to pay for the travel to Schaumburg) to witness factory testing in a controlled environment, as well as provide a smooth and easy field installation.

Motorola's local implementation team will install and optimize the communications system at the City sites as staged at CCSi. Implementation includes the integration of all proposed subsystems to provide an end-to-end solution. To close the loop between proposed functionality and the deployed system, Motorola will execute Acceptance Testing according to an Acceptance Test Plan (ATP). The ATP includes Functional Performance Tests and Coverage Performance Tests.

Following Functional Acceptance Testing, the City and Motorola will begin the cutover to the new system.

Following the testing, the final steps to full system implementation are delivery of system documentation, punch list resolution, and final acceptance. The project team and the post-acceptance service team will work with the City during this phase, to ensure a smooth transition to the post-acceptance support period.

3.1.2 Project Management Approach

Motorola has been the market leader in mission-critical wireless communications for more than 65 years. We are proud to provide state, federal, and local jurisdictions with quality products and integration services. Surveys show our customers consistently rate us "very satisfied" because we deliver high-quality projects that perform exceptionally. Systems Integration management is the reason for our favorable performance in this arena.

Motorola uses an integrated approach to project management to deliver projects on time and on schedule. Our proven system integration skills have been employed successfully on over 1,100 mission-critical implementations of wireless communications systems. Motorola is the vendor of choice in 34 of 40 statewide systems.

Motorola's Systems Integration organization has established processes for systems implementation that follow Motorola's pioneering Six Sigma quality and adhere to best practices frameworks such as ISO9001, TL9000, and ITIL.



3.1.3 Project Team

Motorola's project staffing approach brings together a team of specialists, subcontractors, engineers, and project management personnel under the direction of a Lead Project Manager dedicated to the City's project (Figure 3-1). By integrating our subcontractor's management and staff with the Motorola team, we are able to utilize the best-qualified personnel for every task, regardless of company affiliation. The team selections are based upon individual skill, prior experience, and qualifications. Motorola's key team members for your project consist of the Lead Project Manager, Lead System Engineer, Systems Technologist, Field Service Organization, Training Consultant, and Customer Support Manager.

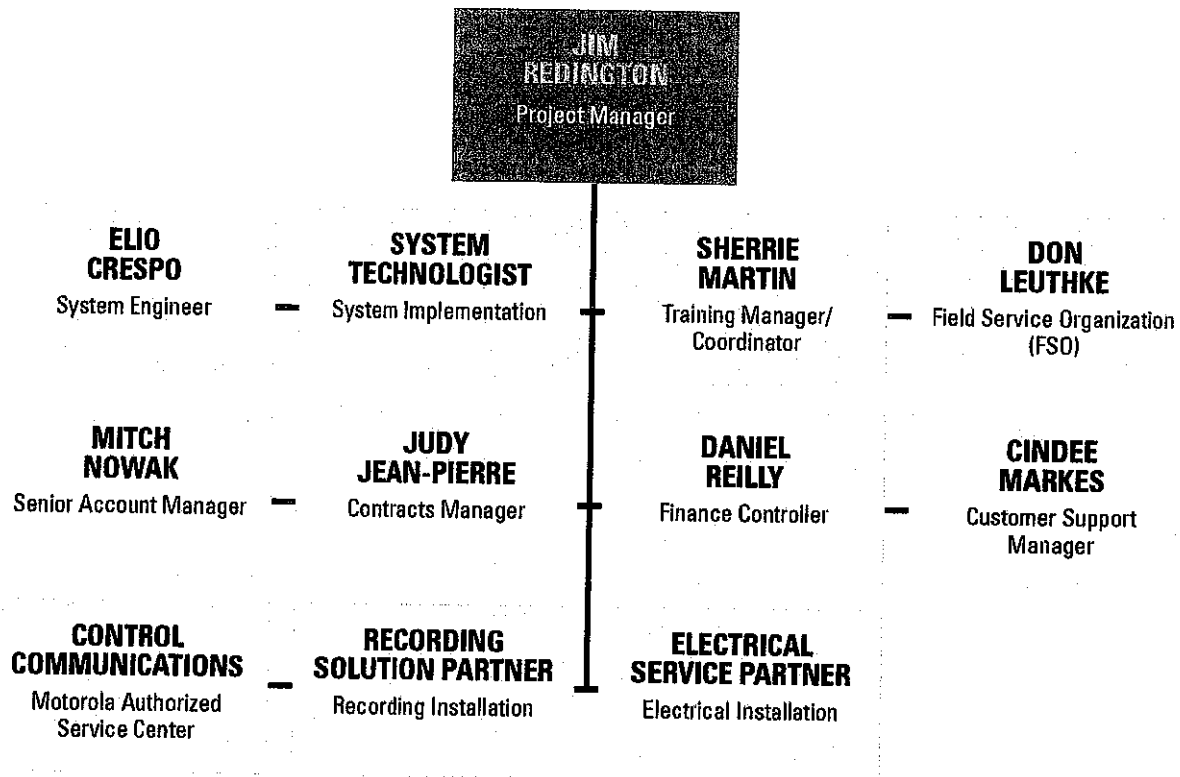


Figure 3-1: Project team for the City of Fort Lauderdale system

13 May 2015

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3-4 Statement of Work

City of Fort Lauderdale, Florida
Project 25 System Upgrade
REF/Control No. PS-00052946

Motorola Solutions 

3.1.4 Project Staffing

As the systems integrator, Motorola provides the resources and project management necessary to complete the tasks required for implementation of the proposed project. The Motorola Systems Integration organization is dynamic; we assemble a team for each customer, modeling each team to fit the specific needs of each customer using both internal and external resources. Our intent is for the SI team and the City form a cohesive group that addresses your needs, to arrive at the optimum communication solution. Table 3-1 provides a description of the roles responsibilities for the City's ASTRO 25 system solution.

Table 3-1: Motorola Project Team Roles and Responsibilities

Motorola Team Member	Responsibilities
<p>Project Manager Motorola will designate a single individual as the Project Manager, whose primary responsibility and authority will be to manage and administer your project to completion as defined within the contract. This individual will be your Motorola single point of contact for all items related to the contract and official communications between the City's PM and Motorola.</p> <p>Motorola has chosen Jim Redington as the lead PM to ensure successful implementation and acceptance of your system. Jim resides in Fort Lauderdale, Florida. He brings 27 years of project experience in both Public Safety and commercial markets.</p>	<ul style="list-style-type: none"> - Manage and refine the SOW, project schedule, implementation plan, and change orders. - Allocate available resources, personnel, funding, and material to ensure that the system is implemented according to the scope of this project. - Ensure that factory staging and testing is completed. - Conduct an inventory of received equipment to ensure proper delivery. - Inspect the physical condition of Motorola-supplied hardware. - Ensure that Motorola-provided equipment specifications are met. - Verify that all site preparation is complete prior to the installation of the equipment. - Supervise field installation and implementation teams, ensuring all on-site installation, integration, and optimization tasks are performed within contract requirements. - Ensure quality workmanship by all Motorola personnel, vendors, and subcontractors - Prepare for and conduct regular progress meetings and provide progress reports as required. - Obtain the City sign-off and acceptance upon completion of installation, and acceptance testing. - Escalate resolution of any issues encountered during system implementation. - Manage the project to your satisfaction. - Ensure successful transition to the warranty and maintenance phase.
<p>System Engineer The Motorola System Engineer's primary responsibility is to ensure the technical integrity of your system design.</p> <p>Motorola has chosen Elio Crespo as the Lead Systems Engineer for the City. Elio has over 25 years of experience in designing and implementing Public Safety Communications systems and resides in Broward County, Florida.</p>	<ul style="list-style-type: none"> - Analyze your needs. - Design your system. - Develop site design parameters. - Work with your team members to create the fleetmap and subscriber templates. - Participate in staging and testing of your systems at Motorola's CCSi facility. - Develop system documentation. - Develop the Acceptance Test Plan (ATP). - Assist in the development of the system cutover plan. - Provide continuous the City technical support even after project acceptance.



Motorola Team Member	Responsibilities
<p>Field Service Organization The Motorola Field Service Organization (FSO), managed by Don Leuthke, is headquartered in Plantation, Florida at the Motorola facility. We provide Motorola-employed service technicians to install, optimize, and maintain Public Safety communication needs.</p> <p>Technicians continually participate in training with a minimum of 40 hours per year. All technicians are required to have at a minimum Electronics Technicians Association (ETA) Journeyman certification.</p> <p><i>Our Field Service Team has over 400 years of combined service experience as Motorola employees.</i></p>	<ul style="list-style-type: none"> ▪ Install, optimize, and maintain Public Safety communications systems.
<p>Systems Technologist Motorola will select Systems Technologists for the City following contract award based on the required experience level and current resource availability from a team of STs, our most advanced field technical resource ready to support your project.</p>	<ul style="list-style-type: none"> ▪ Participate in staging and testing of your systems at Motorola's CCSi facility. ▪ Perform site link verification testing to validate connectivity and adequate performance of the City's sites. ▪ Participate in all equipment programming and configuration development. ▪ Oversee the integration and optimization of all system hardware and software. ▪ Participate in the Acceptance Test Plan. ▪ Assist in the development and execution of the system cut-over plan. ▪ Provide continuous the City technical support even after project acceptance.
<p>Senior Account Manager Your Motorola Senior Account Manager, Mitch Nowak, serves as the liaison responsible for addressing your needs that arise from day-to-day operations as well as issues that arise from system implementation. Mitch has over 7 years of experience in public safety communications and resides in Fort Lauderdale, Florida.</p>	<ul style="list-style-type: none"> ▪ Assist in the configuration and pricing of equipment quotes. ▪ Order, process, and manage equipment orders. ▪ Perform a consultative role in applying Motorola's equipment solutions.
<p>Contracts Manager Motorola's Contracts Manager is authorized to negotiate terms and conditions on behalf of Motorola.</p>	<ul style="list-style-type: none"> ▪ Review the contract for proper terms and conditions. ▪ Maintain copies of all contract documents on file. ▪ Interface with appropriate the City personnel regarding routine contract matters. ▪ Manage and approve contract changes as required.
<p>Customer Support Manager Your Customer Support Manager (CSM) coordinates support resources to help ensure optimal quality of service (maintenance) delivery. Motorola has chosen Cindee Markes as your CSM. Cindee has over 10 years of experience in managing support resources and resides in Palm Beach County, Florida.</p>	<ul style="list-style-type: none"> ▪ Oversee the execution of the City's support contract (maintenance or warranty) by serving in the role of the advocate for the City. ▪ During the warranty phase, act as a point of contact for issue resolution and escalation, monitoring of Motorola's contractual performance and providing review and analysis of process metrics.
<p>Subcontractors/Partners Portions of this system will be implemented by Motorola subcontractors, such as Control Communications, located in Davie, Florida. Control Communications has been a Motorola Preferred Service Provider for over 15 years.</p> <p>Motorola will also partner with subcontractors for the recording solution, for the dispatch console furniture, and for electrical service.</p>	<ul style="list-style-type: none"> ▪ Program and install subscribers. ▪ Furnish and install the recording solution. ▪ Furnish and install the console furniture. ▪ Furnish and install additional electric circuits at the sites.

3.1.5 Subcontractors

Our project management philosophy ensures that our subcontractors and third party suppliers follow the same high quality standards as Motorola. Our approach is divided into two major parts: what we do pre-award and what we do during project delivery.

Motorola outsources highly specialized functions to industry-proven firms. We have been the prime contractor for the majority of our successful public safety communications systems. During this time, we have learned that our continued success is only achieved through the careful up-front selection of our subcontractors, the rigorous oversight of their work, and the integration of their team members as part of our core the City project team.

Pre-Award Activities

Motorola pre-screens and pre-qualifies our subcontractors to ensure that they meet the same performance standards we apply to ourselves. We involve our subcontractors in our customers' SOW development. Often times we also execute formal teaming agreements. These agreements clearly identify the subcontractor's role in the design, schedule, local resources, and service level agreements.

This pre-award approach has the following advantages:

- Longer term subcontractor association means better working relationships.
- Pre-award subcontractor integration accelerates delivery and reduces risk.
- Inclusion of local subcontractors provides an integrated local team to support our customers.
- Optimum implementation schedule and increased pricing accuracy.



During Project Delivery

During project delivery, we integrate our subcontractors as core team members for effective coordination and communications. Subcontractor scope, performance, quality, and schedule are all managed according to the same core project management principles applied to the Motorola organization.

We bring leading inventory management and supply chain capabilities to every project. Equipment lists, generated as part of the proposal development process, pass directly to our procurement system. This system manages components, including materials provided by outside suppliers, so that necessary supplies are available when needed.

This supply chain management approach during project delivery has the following benefits:

- Consistent level of quality across the entire integrated project team.
- Immediately identify shortcomings and immediately take corrective action.
- More efficient and effective delivery of the system because components are in the right place at the right time.
- Parts availability issues do not delay the project.

3.1.6 Communications Plan

Effective communications is critical to every successful project. During the kickoff meeting, Motorola and the City will establish methods for regular communications activities and determine which project team members and stakeholders will be included in each. Activities to be scheduled by Motorola's PM and the City's PM include the following:

- CDR meetings will further discussion and gain consensus on final system and site design.
- Periodic conference calls will provide updates and task statuses for both the Motorola and the City project teams as well as address any new risk items or concerns. Motorola's PM will set up a conference bridge and recurring meeting for all required team members.
- Planning sessions will provide guidance for collaborative efforts such as fleetmapping and cutover. They will establish timelines when certain events can occur. Formal reports from Motorola's PM to the City's PM will communicate updates on:
 - Overall project status compared to the baseline Project Schedule.
 - Product or service-related issues that may impact the Project Schedule.
 - Current status of action items and responsibilities in accordance to the Project Schedule.
 - Tasks completed over the last 30 days and to be completed in the next 30 days.
 - Customer satisfaction issues.

Any additional concerns of either the City or Motorola will be added to the general agenda and addressed in the most appropriate method.

Motorola requests that the City respond to all submittals, correspondence, and written requests within five calendar days of receipt. Any responses rejecting submittals, requests, or correspondence should contain a detailed explanation in support of such rejection referencing the contract section or item number affected so that these items can be addressed.



3.2 DETAILED DESCRIPTION OF WORK

The work required by this SOW is detailed below and includes Motorola and the City Responsibilities and Completion Criteria, including Project Deliverable(s). General Project Responsibilities

General project responsibilities not defined by specific tasks include:

Motorola Responsibilities

Motorola will designate a Project Manager who will direct Motorola's efforts and serve as the primary point of contact for the City. The Motorola Project Manager will have significant authority to make certain decisions relative to the project, on behalf of Motorola, and will have direct access to Motorola's executive management for resolving problems beyond his/her immediate authority. The Motorola Project Manager's responsibilities include:

- Participate with the City in monthly progress review meetings and submit status reports that identify activities of the previous review period, as well as activities planned for the upcoming review period, including an updated Project Schedule. Issue a mutually agreed upon agenda for each meeting.
- Maintain project communications with the City Project Manager and project team members. Motorola will provide a record of correspondence as part of the progress reports received prior to each progress meeting.
- Manage the efforts of Motorola staff and subcontractors and coordinate Motorola activities with the City project team members.
- Issue status reports that include the project status, milestones achieved, tasks behind schedule, and actual and potential problems.
- Resolve deviations from the Project Schedule.
- Monitor and manage risks via the Risk Management Plan.
- Work with the City Project Manager in designing and approving the format of an action item log to be used in conjunction with the Project Schedule. The purpose of the log is to identify outstanding issues, provide continual status updates on specific tasks and to identify responsibilities of the parties.



City Responsibilities

The City will designate a Project Manager who will direct the City's efforts and serve as the primary point of contact for Motorola. The City's Project Manager will have significant authority to make certain decisions relative to the project, on behalf of the City, and will have direct access to the City executive management for resolving problems beyond his/her immediate authority. The City Project Manager's responsibilities include:

- Maintain project communications with the Motorola Project Manager.
- Review the preliminary Project Schedule with the Motorola Project Manager and assist Motorola in developing a detailed Project Schedule defining the detailed tasks and a schedule of the City and Motorola responsibilities.
- Monitor the project to ensure that support resources are available as scheduled.
- Participate in regular conference meetings/calls.
- Provide timely responses to issues related to project progress raised by the Motorola Project Manager.
- Approve and release payments in a timely manner predicated on project deliverables.
- Ensure that all appropriate the City personnel attend and actively participate in Progress Reviews, conference calls, and other project meetings.
- Assign one or more personnel who will work with Motorola staff as needed for the duration of the project, including at least one system administrator.
- Provide building access to Motorola personnel to all facilities at which the system is to be installed during the project. Temporary identification cards should be issued to Motorola personnel if required for access to the City facilities. Access must be available after business hours where required by Motorola, or as necessary to meet the Project Schedule.
- Obtain site access necessary for this project and any other agreements required to gain use of sites.
- Provide adequate space and HVAC at all installation sites for the communications equipment to be installed by Motorola.
- Review and approve or revise delivered design documents within 10 days of submission.



3.2.1 Project Initiation – Kickoff Meeting and Initiation Activities

The project will be initiated with a Project Kickoff Meeting including key resources from the City and Motorola project participants. The objectives of the Kickoff Meeting include:

- Introduce and exchange contact information of all project participants.
- Review roles of key participants and project review procedures.
- Establish a clear chain of communication and authority.
- Review overall project scope and objectives.
- Review resource and scheduling requirements.
- Review preliminary Project Schedule with the City.

During the Project Initiation phase, Motorola will review and work with the City to finalize the following project processes and procedures:

- Detailed Project Schedule
- Risk Management Plan
- Change Control Plan
- Issues Document and Action Item Log

The responsibility matrix in Table 3-2 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-2: Responsibility matrix

Task	Responsibility	Deliverable
Initiate the project with a Kickoff Meeting.	The City and Motorola	Documented project personnel names, responsibilities, contacts, and project review procedures
Begin creating Risk Management Plan.	Motorola	Initial Risk Management Plan
Define format of the Issues and Action Item Log.	Motorola	Initial Issues and Action Item Log
A Communications Plan will be developed to address types of communication that will be established, such as regular status meetings and status reports. The Communications Plan also will indicate appropriate points of contact for different types of communications.	The City and Motorola	Communications Plan
Provide current system documentation.	The City	The City existing system documentation

Completion Criteria

This task is considered complete when the Project Kickoff Meeting has been held with the City and Motorola representatives in attendance, and project scope, schedules, procedures, roles, and responsibilities are documented and agreed upon within 10 calendar days of the Project Kickoff Meeting.

3.2.2 Contract Design Review

The City and Motorola will review the system design through analysis of the system functionality, interface requirements, and end-user requirements, as mutually agreed between the City and Motorola. During this phase, the Project Plan will be developed. CDR tasks and responsibilities are described in greater detail in the following sections of this SOW. Draft and final versions of documents will be provided to the City for review and approval, which will finalize the CDR process. The responsibility matrix in Table 3-3 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-3: Responsibility matrix

Task	Responsibility	Deliverable
<p>Finalize Coverage Design and Sites: The City must finalize all sites within the system before Motorola can finalize the Coverage Design. In addition, space on existing towers must be finalized to complete coverage predictions.</p>	The City and Motorola	Final Coverage Design
<p>The high-level Cutover Plan will be revised. The City will provide existing system and user information (e.g., shift information, specific vehicle information), which must be taken into account to develop a Cutover Plan.</p>	The City and Motorola	Cutover Plan
<p>Motorola and the City will finalize the project implementation schedule.</p>	Motorola and the City	Project Schedule
<p>Motorola will deliver a Design Document that reflects changes in design and scope, as well as definition of details determined during the CDR. Motorola will:</p> <ul style="list-style-type: none"> - Update the Equipment List as necessary to accommodate the specifics of the CDR. - Update the System Description to reflect changes in the system design. - Update the System Drawings and documentation to reflect changes in the system design. - Update the SOW to reflect changes in the implementation scope. <p>Motorola and the City will finalize the implementation schedule.</p> <p>Motorola will submit a final Design Document to the City through the Change Order process. This document will be baselined by the System Description, SOW, Project Schedule, and other documentation provided prior to contract approval.</p>	Motorola	Equipment List System Description System Drawings, as defined in section 3.2.10.1 of this SOW Project Schedule
<p>The City will review work performed by Motorola and sign an approval document for the CDR.</p>	The City	Approval Statement

Completion Criteria

This task is considered complete when the subtasks listed below are all completed.

3.2.2.1 Develop Cutover Plan

Implementation of the City's ASTRO 25 system will require a detailed Cutover Plan for a smooth transition from the existing radio system to the new radio system. The responsibility matrix in Table 3-4 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-4: Responsibility matrix

Task	Responsibility	Deliverable
The City will provide existing system and user information (e.g., dispatch and user radios), and specific vehicle information, which must be taken in to account to develop a detailed Cutover Plan.	The City	Existing system and user information
The system Cutover Plan will be developed, taking into account the need to minimize impact to users migrating to the P25 system.	Motorola	Preliminary Cutover Plan

Completion Criteria

This task is considered complete upon the City's acceptance and approval of the Cutover Plan.

3.2.2.2 Finalize Project Schedule

The objective of this task is to finalize the preliminary Project Schedule contained in the initial contract based on requirements identified and the associated project objectives, plans, schedules, approvals, priorities, and inter-dependencies among tasks. The Project Schedule will be finalized through the change order process and mutually agreed upon between the parties during the CDR. The resulting document defines specific project tasks to be completed and documents the final Project Schedule for each subsystem to be implemented. The responsibility matrix in Table 3-5 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-5: Responsibility matrix

Task	Responsibility	Deliverable
Review with the City personnel the identified implementation tasks, priorities, inter-dependencies, and other requirements needed to establish the final Project Schedule. The Project Schedule will identify key project milestones, in addition to tasks that will require interruption of existing communications, to move the new system into live operations.	The City and Motorola	Project Schedule review
Prepare final Project Schedule and deliver it to the City as a deliverable of the CDR. Review Project Schedule with the City personnel and make changes and/or corrections mutually agreed upon through the change order process.	Motorola	Project Schedule finalization
Review the final Project Schedule and identify in writing any specific deficiencies found within 10 business days of receipt.	The City	Project Schedule approval

Completion Criteria

This task is considered complete upon mutual agreement of the parties to implement in accordance with the final Project Schedule that has been developed within the CDR. This Project Schedule will become the governing Project Schedule incorporated into the contract, but is subject to change on mutual agreement of the parties.

3.2.2.3 Acceptance Test Procedures

Motorola has provided an Acceptance Test Plan (ATP) to provide an understanding of procedures for testing functionality and performance of the system. The ATP establishes a framework for the City system acceptance. The tests will validate the functional performance of the system.

The coverage methodology has been provided in this proposal (Attachment B). The ATP includes the acceptance criteria to ensure the equipment operates according to specifications identified in the contract. The responsibility matrix in Table 3-6 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-6: Responsibility matrix

Task	Responsibility	Deliverable
Review the overall approach to testing including hardware, software, and final system acceptance criteria. The review will be based on the ATP included with this proposal.	The City and Motorola	Review ATP and methodology
Provide related information requested by Review the baseline ATP document and identify in writing any specific deficiencies found within 10 business days. Motorola ATP review.	The City	Review ATP, provide written information, and feedback
Submit a final ATP document to the City for approval.	Motorola	Final ATP
Review and approve the final ATP.	The City	Approval of final and ATP

A preliminary ATP is provided in Section 4 Acceptance Testing of the proposal.

Completion Criteria

This task is considered complete upon the City's acceptance and approval of the ATP.

3.2.3 Order Processing

Motorola will place factory orders for the system hardware that is being purchased for the P25 system. Motorola will place orders for required third-party equipment and execute major subcontracts. The responsibility matrix in Table 3-7 defines Motorola deliverables and responsibilities.

Table 3-7: Responsibility matrix

Task	Responsibility	Deliverable
Factory orders placed for all Motorola-manufactured equipment.	Motorola	Orders for Motorola-manufactured equipment
Order placed for all third-party equipment.	Motorola	Third-party equipment orders
Motorola will execute major subcontracts.	Motorola	Subcontracts in place

Completion Criteria

This phase is considered complete when all equipment orders have been placed.

3.2.4 Manufacturing and Factory Testing

During this phase of the project, all equipment for the system is manufactured, and the ASTRO 25 system is Factory Staged and shipped.

Completion Criteria

This phase is considered complete when Manufacturing and Development, Template Development, and Factory Staging are complete and approved by the City.

3.2.4.1 Manufacturing

Manufacturing activities commence after Order Processing. The responsibility matrix in Table 3-8 defines Motorola deliverables and responsibilities.

Table 3-8: Responsibility matrix

Task	Responsibility	Deliverable
Manufacture equipment and track third-party equipment orders.	Motorola	Communications system hardware

3.2.4.2 Template Development

Equipment programming and configurations are defined during the activity of Template Development. The responsibility matrix in Table 3-9 defines equipment programming and configurations.

The City and Motorola will review the ASTRO 25 system operational requirements and the impact of those requirements to various equipment configurations. The responsibility matrix in Table 3-9 defines deliverables and responsibilities for both the City and Motorola.

Table 3-9: Responsibility matrix

Task	Responsibility	Deliverable
Motorola will provide technical information to the City to aid in determining programming requirements.	Motorola and the City	Standard configuration and programming documentation
Motorola and the City will develop up to 25 paper templates to generate up to 25 codeplugs for the existing Motorola-manufactured user radios: <ul style="list-style-type: none"> - Mobile radios - Portable radios - Control stations and consolettes 	Motorola and the City	User-radio equipment templates and codeplugs
The City will review work performed by Motorola and sign an approval document. Any changes requested by the City, after approval of fleetmap and template definitions, will require updating the contract documents accordingly.	The City	Written Programming Template and Configuration Approval Statement Configure, manage, and control the fleetmap database User group reviews its radio standard operational policies and then determines what modifications will be required, if any Create a "Console Dispatch and Radio Programming Policy" to decide how each subscriber group will operate on the system and what features will be activated User group representative(s) makes fleetmap programming decisions Complete the initial fleetmapping process prior to staging of the system
Motorola will not provide templates or programming services for radios provided by other manufacturers. Template creation and programming of other manufacturers radios is the responsibility of the City.	The City	Programming other manufacturer radios

Completion Criteria

This task is considered complete when the City has reviewed and approved the configuration documents.

3.2.4.3 Factory Staging

The radio system manufacturing is followed by staging the radio infrastructure at CCSi. Staging includes assembly and testing of radio system components. For this factory testing, the system will be configured as it will be in the field, which will exercise the communications system's functional capabilities without connectivity to the Master Site.

This process will allow the City personnel to witness factory testing in a controlled environment, as well as provide a smooth and easy installation in the field. The responsibility matrix in Table 3-10 defines the City and Motorola deliverables and responsibilities.

Table 3-10: Responsibility matrix

Task	Responsibility	Deliverable
<p>Functional Performance Testing: Motorola will perform a Functional Performance Test to verify the functionality of the communications system. This test will include the following:</p> <ul style="list-style-type: none"> - Physical inspection - Thorough exercise of hardware and software - Testing of voice communications features - Verification of device and system recovery from failures 	Motorola	Functional Performance Test
<p>Customer Attendance at Factory Acceptance Testing</p> <ul style="list-style-type: none"> - Test and validate system software and features. - Functional testing of standard system features. - Conduct site and system level testing. - Power-up site equipment and perform standardized functionality tests. - Perform system burn-in 24 hours a day during staging to isolate and capture any defects. - Perform City-witnessed tests based upon Factory Acceptance Test Plan. - If requested, Motorola will accommodate up to two customer representatives to witness the Factory Acceptance testing. Motorola will pay for travel, lodging, and meals for this test at our center in Schaumburg, IL. 	Motorola	Customer Attendance at Factory Acceptance Testing
<p>The City will sign written acceptance documents at the successful completion of the Factory Acceptance Testing period.</p>	The City	Written Approvals of Factory Acceptance Test

Completion Criteria

This task is considered complete when the City signs a certificate of acceptance of the Factory Acceptance Test.

3.2.5 Civil Work

3.2.5.1 Site Development at Playa Del Sol

Site Scope Summary	
Engineering services for site drawings and regulatory approvals	Not included
Site acquisition services	Not included
Zoning services	Not included
Existing tower to be used for antennas	300-foot rooftop

Motorola Responsibilities

Site Engineering

- Perform structural mapping, analysis, and design to antenna-support structure for the proposed equipment and antenna loads. No obtrusive investigations have been included.
- Perform an x-ray of the structure (up to 15 locations of three square feet each) to determine the location of structural components and rebar sizing.
- Preparation, submission, and tracking of application for local permit fees (zoning, electrical, building, etc.) and procurement of information necessary for filing.

Site Preparation

- Provide one-time mobilization costs for the construction crews. Any remobilization due to interruptions/delays that are out of Motorola's control will result in additional costs.

Antenna and Transmission Line Installation

- Replace 1 RX Antenna and run up to 75 feet of 7/8" LDF main line. RMC will be reused.
- Install 2 TX Antenna systems with each run of up to 75 feet of 1-5/8" LDF main line; FSO to include structure and permit cost
- Install 2 runs of up to 50 Feet of 1/2" LDF from GTR8000 ESS TX Port to Bulkhead.
- Install 1 runs of up to 50 Feet of 1/2" superflex from receiver multicoupler RX Port to Bulkhead.
- Install 1 runs of up to 50 Feet of 1/2" superflex from receiver multicoupler RX Test Port to Bulkhead.
- Install 2 run of up to 50 Feet of 1/2" LDF from receiver multicoupler to GTR8000 ESS RX Port.
- Install 2 GPS Antennas with each run up to 75 feet of 1/2" LDF cable.
- Sweep test 5 antenna systems.

City Responsibilities

- Assist Motorola with permitting for sites as owner/lessee.
- As applicable, coordinate, prepare, submit, and pay for all required permits and inspections for the work that is the City's responsibility.
- Pay for all utility connection, pole or line extensions, and any easement or usage fees.
- Pay for the usage costs of power, leased lines, and generator fueling both during the installation effort and on an ongoing basis.
- Pay for application fees, taxes, and recurring payments for lease/ownership of the property.
- Provide personnel to observe progress and testing of site equipment according to the schedule provided by Motorola.
- As applicable (based on local jurisdictional authority), the City will be responsible for any installation or upgrades of the electrical system in order to comply with NFPA 70, Article 708.
- Secure clear and unencumbered title, MOU, or Lease Agreement with the property owner.
- Provide a right of entry letter from the site owner for Motorola to conduct field investigations.
- Arrange for space on the structure for installation of new antennas at the proposed heights on designated existing antenna-mounting structures.
- Motorola will utilize existing support facilities for the antenna cables (cable ladder, entry ports, waveguide bridge) from the antenna to the equipment room.
- Pay for any upgrade of the antenna-support structure necessary to accommodate the new antennas.
- Provide space, HVAC, backup power (UPS, generator), outlets, grounding, surge suppression, lighting, fire suppression, and cabling facilities for the equipment room per Motorola's R56 specifications. Ceiling and cable tray heights in the equipment rooms should be such as to accommodate 7½-foot equipment racks, and the ceiling should be nine feet or greater.
- If required, remove or relocate any existing facilities, equipment, and utilities to create space for new site facilities and equipment.
- If required, provide any physical improvements (walls, roofing, flooring, painting, etc.) necessary to house the equipment in the existing room.



Assumptions

- No prevailing wage, certified payroll, mandatory union workers, or mandatory minority workers are required for this work.
- All work is assumed to be done during normal business hours as dictated by time zone (Monday thru Friday, 7:30 a.m. to 5:00 p.m.).
- Pricing has been based on National codes such IBC or BOCA. Local codes or jurisdictional requirements have not been considered in this proposal.
- A maximum of 30 days will be required for obtaining approved permits from time of submission.
- If extremely harsh or difficult weather conditions delay the site work for more than a week, Motorola will seek excusable delays rather than risk job site safety.
- Structural and foundation drawings of the antenna-support structure will be made. Lead paint testing of existing painted towers has not been included.
- On the existing antenna structure, the antenna locations for the proposed antenna system design will be available at the time of installation.
- The existing antenna-support structure is structurally capable of supporting the new antenna, cables, and ancillary equipment proposed and will not need to be removed or rebuilt at the existing site. The tower or supporting structure meets all applicable EIA/TIA-222 structural, foundation, ice, wind, and twist and sway requirements. Motorola has not included any cost for structural or foundation upgrades to the antenna-support structure.
- Structural analyses for towers or other structures that have not been performed by Motorola will relinquish Motorola from any responsibility for the analysis report contents and/or recommendation therein.
- The site will have adequate room for installation of proposed equipment, based on applicable codes and Motorola's R56 standards.
- A clear obstruction-free access exists from the antenna location to the equipment room.
- The floor can support the proposed new loading. Physical or structural improvements to the existing room will not be required.

Completion Criteria

- Site development completed and approved by the City.

3.2.5.2 All Sites

Motorola Responsibilities

Existing Facility Improvement Work

- Ground all proposed equipment in accordance to R56 standards.

3.2.5.2.1 Fort Lauderdale PD Site, Utilities Site, and Playa Del Sol Site

Motorola Responsibilities

Existing Facility Improvement Work

- Install electrical circuits per matrix below to support new equipment.

Site	CKTS	Notes
PD	22	12 GTR, 6 GCM 8000, 4 Network
UTILITIES	20	12 GTR, 8 Network
PLAYA	20	12 GTR, 8 Network

3.2.6 Installation of Fixed Network Equipment

Installation of the Fixed Network Equipment (FNE) consists of the radio communications infrastructure and computer equipment at the dispatch and control centers. The responsibility matrix in Table 3-11 defines the deliverables and responsibilities for both the City and Motorola.

- Motorola will be responsible for the installation of all fixed equipment contained in the Equipment List and outlined in the System Description based upon the agreed-to floor plans, at the sites where the physical facility improvement is complete and the site is ready for installation. All equipment will be properly secured to the floor and installed in a neat and professional manner, employing a standard of workmanship consistent with its own R56 installation standards and in compliance with applicable National Electrical Code (NEC), EIA, and Federal Aviation Administration (FAA) standards.
- For installation of the fixed equipment at the various sites, Motorola will furnish all cables for power, audio, control, and radio transmission to connect the Motorola-supplied equipment to the power panels or receptacles and the audio/control-line connection point.
- During field installation of the equipment, any required changes to the installation will be noted and assembled with the final 'as-built' documentation of the system.

Table 3-11: Responsibility matrix

Task	Responsibility	Deliverable
Site Ready: Motorola will prepare the site for equipment installations finalized SOW. Sites will be ready according to the Project Schedule for equipment installation.	Motorola and the City	Sites meeting site preparation requirements for installation
General Installation Responsibilities: Motorola will install the new system equipment provided in the Equipment List. Motorola will ground and bond the new P25 equipment to the ground system, in accordance with the R56 site installation standards. Motorola will remove and dispose of any debris that is a result of the project activities from the site.	Motorola	New equipment installations per Motorola's R56 site quality standards
Motorola will install the following in accordance with the CDR description and Equipment List: - Prime Site equipment	Motorola	Radio system installation audit
The City will sign installation acceptance certificates after inspection and check-out of FNE on a site-by-site basis.	The City	Signed installation acceptance documents

Completion Criteria

This task is considered complete when the City reviews FNE installations with Motorola and approves by signing the installation check sheets. The installation of each FNE subsystem must be completed for this phase of the project to be considered complete.



3.2.6.1 Site-by-Site Installation

Qty	Description
Fort Lauderdale PD Prime Site	
2	GCP 8000 controllers
6	GCM 8000 comparator units; each unit has 2 GGM 8000 comparator modules to support 12 channels
2	GTR 8000 Expandable Site Subsystem (ESS) repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Prime Site gateways and 2 HP 2620-24 LAN switches to provide prime site connectivity to the Motorola P25 Hosted Master Site via customer provided 5 Mbps Metro Ethernet
2	GGM 8000 sub-site gateways and 2 HP 2620-24 backhaul switches to provide connectivity to the Remote Sites via existing microwave system
4	DDM module added to existing Trak GPS frequency standard to support GCM 8000 comparators and GTR 8000 channels
-	Existing transmit and receive antennas systems will be reused including tower-top amplifier (TTA) and receiver multicoupler unit (RMU)
-	Sweep test 3 antenna systems
Utilities Remote Site	
2	GTR 8000 ESS repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Remote Site gateways and 2 HP 2620-24 LAN switches to provide connectivity to the Prime Site via existing microwave system
1	DDM module added to existing Trak GPS frequency standard to support GTR 8000 channels
-	Existing Trak GPS frequency standard will be used
-	Existing transmit and receive antennas systems will be reused including tower-top amplifier (TTA) and receiver multicoupler unit (RMU)
-	Sweep test 3 antenna systems
Playa Del Sol Remote Site	
2	GTR 8000 ESS repeater units to provide 12-channel capacity; each GTR 8000 ESS provides up to a 6-channel capacity and includes a 6-channel combiner
1	GGM 8000 Remote Site gateways and 2 HP 2620-24 LAN switches to provide connectivity to the Prime Site via existing microwave system
1	Trak GPS frequency unit to support IP simulcast
1	MOSCAD RTU to monitor site environmental alarms
-	Replace the existing antenna system with Antel model BCR-80013; reuse tower-top amplifier (TTA) and receiver multicoupler unit (RMU)
2	Transmit antenna systems using Antel model BCR-80013-3 antennas
-	Sweep test 5 antenna systems

Note: Backhaul connectivity between the following sites is not provided and will be the City's responsibility:

- 2 T1s from PD to P25 Hosted Master Site to support existing SmartX.
- 1 T1 from PD to Motorola Hosted Master Site to support existing Network Management Clients.
- 1 5 Mbps Metro Ethernet Link from PD to Motorola Hosted Master Site to support new P25 system.

3.2.7 Systems Integration and Optimization

During this phase, Motorola will configure, optimize, and program all system equipment. Motorola will integrate all Motorola-provided subsystems, as well as integrate the City-provided subsystems as detailed in the System Description. Motorola System Technologist(s) will be on-site for this phase and will prepare the system for acceptance testing.

The Motorola System Technologist(s) will maintain a punch list of items that need resolution. The City will be responsible for directing the activities of non-Motorola subcontractors and supporting agencies. The City is also responsible for coordinating all onsite integration activities, including assistance to Motorola for system testing requiring participation from non-Motorola subcontractors.

The City and Motorola each will ensure that their subcontractors perform in accordance with the implementation schedule. The responsibility matrix in Table 3-12 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-12: Responsibility matrix

Task	Responsibility	Deliverable
Provide and install all communication lines and equipment that are not Motorola-provided deliverables. Provide all required liaison support with agencies and vendors required to support the solution.	City	City-provided equipment and interfaces required for integration
Install, integrate, and test the hardware, software, and interfaces as specified in the System Description.	Motorola	Installation and integration of equipment
Maintain a punch list of items that need resolution. Manage the resolution of punch list items.	Motorola	Punch list resolution

Completion Criteria

This task is considered complete when the system is ready for acceptance testing.

3.2.7.1 Mobile and Portable Programming

During this phase of the project, Motorola will program the 234 radios that are being flash upgraded. Radio programming will be performed once per radio. Any reprogramming necessary due to changes to programming templates or code plugs made by the City after approval of the templates will be the responsibility of the City. The cost to remove old analog talkgroups is not included. No new subscribers are included in this proposal.

The responsibility matrix in Table 3-13 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-13: Responsibility matrix

Task	Responsibility	Deliverable
Provide mobile and portable radios to Motorola according to the Project Schedule	The City	Provide user radios
Program mobile and portable radios with the templates and code plugs developed with the City.	Motorola	Programmed user radios
The City will accept delivery of the programmed mobile and portable radios.	The City	Signed delivery acceptance

Completion Criteria

This task is considered complete when the mobile and portable radios have been programmed and delivered.

3.2.8 Acceptance Testing

Motorola will submit the draft ATP defined during the CDR for approval 45 calendar days prior to the beginning of acceptance testing. Any system testing not specified in the Attachment D Acceptance Testing in Tab 12 of the proposal that the City would like performed must be agreed to by both parties. Additional tests will represent a change in the project's scope.

3.2.8.1 Functional Acceptance Tests

System Functional Acceptance Tests will be performed when the system optimization is complete. The Functional Acceptance Tests verify the functionality tested at Factory Testing. Successful completion, with open items, will constitute System Acceptance. Final Project Acceptance will be granted when all open items are closed. A complete list of the Functional Acceptance Tests will be provided during the CDR.

If deficiencies are found during the testing, both the deficiencies and resolutions to the deficiencies shall be agreed upon and documented. If the documented deficiencies do not prevent productive, operational use of the system, as determined by the City, the test will be deemed complete. However, Motorola will remain responsible for the resolution of the documented deficiencies using a punch list as a controlling document for resolution planning.

Upon completion of acceptance testing, the City will acknowledge system acceptance by signing the System Acceptance document per the terms of the Contract. The responsibility matrix in Table 3-14 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-14: Responsibility matrix

Task	Responsibility	Deliverable
Motorola will perform Functional Acceptance Tests for the digital radio network. During each test, test results will be recorded for review and approval of the test.	Motorola	Execution of Functional Acceptance Tests
Upon successful completion of each Functional Acceptance Test on a site-by-site level, the City and Motorola will sign acceptance certificates documenting acceptance.	The City	Written approval of successful Functional Acceptance Tests



3.2.8.2 Coverage Acceptance Tests

Coverage Acceptance Tests will be performed when the RF site and control equipment installations and optimization are complete. The Coverage Acceptance Tests verify the coverage performance of the P25 system. A detailed Coverage Acceptance Test Plan (CATP) is included in Attachment B Coverage Methodology in Tab 12 of the proposal and defines the scope of the CATP. The responsibility matrix in Table 3-15 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-15: Responsibility matrix

Task	Responsibility	Deliverable
Motorola will perform CATPs for the ASTRO 25 system. During each test, test results will be recorded for review and approval of the test.	Motorola	Execution of Coverage Acceptance Tests
If the CATP determines that additional sites are required to satisfy Motorola's coverage guarantee, Motorola will identify location(s) for sites to rectify the deficiency. Motorola will provide the RF equipment, antenna and line, backhaul, and associated installation at the identified locations	Motorola	Revised coverage design RF equipment Backhaul Antenna and line FNE installation and optimization
Upon successful completion of each Coverage Acceptance Test, the City and Motorola will sign acceptance certificates documenting acceptance.	The City	Written approval of successful Coverage Acceptance Tests

Completion Criteria

This task is considered complete upon the City approval and sign-off on the Equipment Installation Acceptance, Functional Acceptance Test, and Coverage Acceptance Test.

Successful completion of the acceptance tests constitutes acceptance of the software and hardware provided by Motorola. Upon completion of this ATP, the City representatives participating in and observing the tests will sign off on the ATP, signifying acceptance of the system. If no punchlist items are identified during the acceptance testing process, and Motorola has completed all other project deliverables, the City's authorized signature will represent Final System Acceptance. If a punchlist of unresolved issues is created as a result of the acceptance testing, Final System Acceptance will occur upon resolution of all items on the punchlist.

System Acceptance Test Procedures (Milestone)

- The City approves the completion of all the required tests.

3.2.9 New System Operations Cutover

Following successful completion of the Functional Acceptance Tests, Motorola will cut over the users to the new communications system. This phase will follow the approved Cutover Plan. In developing the Cutover Plan, Motorola will work with the City to develop a transition to the new system that minimizes the operational impact to the City. The responsibility matrix in Table 3-16 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-16: Responsibility matrix

Task	Responsibility	Deliverable
Motorola will review the Cutover Plan and schedule system cutover with the City.	Motorola	Completed cutover checklist
The City will confirm the Cutover Plan and that planning for execution of the system cutover has occurred.	The City	Written approval of cutover checklist
The City and Motorola will execute the Cutover Plan.	The City and Motorola	Cutover to new system operations

Completion Criteria

This task is considered complete when users are fully cut over to operation on the new system.

3.2.10 Project Finalization

The finalization phase of the project consists of ensuring that all criteria for Final Project Acceptance completion have been met. The responsibility matrix in Table 3-17 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-17: Responsibility matrix

Task	Responsibility	Deliverable
Motorola will resolve punchlist items documented at System Acceptance.	Motorola	Approved punchlist resolution
Motorola will ensure that the criteria defined to transition the project to the Motorola Service Organization have been completed, including the development of a Customer Support Plan with the City.	Motorola	Service Transition Certificate and Customer Support Plan
All documents listed in System Manual – “As-built” Documentation section will be submitted as they become ready.	Motorola	System Manual – “As Built” documents
Final approvals of all System Manual – “As-built” documents.	The City	Written approval statement(s)
The City will acknowledge Final Project Acceptance on completion of the criteria for Final Project Acceptance of the ASTRO 25 system.	The City	Signed Final Project Acceptance documents

Completion Criteria

- Final design submittals
- System installation
- Final inspection and punch list resolution
- “As-built” documentation
- Final FATP, including CATP

This task is considered complete when the City and Motorola have signed the Final Project Acceptance Certificate, representing the completion of the system and acknowledgement of System Acceptance as described in the Acceptance Test Plan.

3.2.10.1 System Documentation

Motorola provides documentation of the system configurations, physical installation, and system testing. Documentation is created and updated during the project. Motorola will provide both hard and electronic versions for each site and the radio shop. Electronic versions of custom documentation will be provided both in a viewable format and in the documents standard format.

Design Documentation

Motorola will create or update the following standard documents during the design phase:

- Documentation Index
- System Description
- Deliverables List
- Block and Level Diagrams for System and Sites
- Floor Plans
- Radio Communication System Technical Data

- Coverage Maps
- System Administrator Documentation
- Installation and Cutover Plan
- Acceptance Test Procedures
- Programming Parameters

Factory Staging Documentation

Motorola will create or update the following documents of system staging:

- Programming Templates
- Interconnection Drawings
- Interconnection Charts
- Manufacturer's Standard Operator Manuals
- Interconnection Cable Description and Inventory
- Inventory with Serial Numbers and Installation Reference
- Software/Firmware Version Numbers
- Manufacturer's Standard Technical Manuals

System Manual - "As-Built" Documentation

Motorola will supply "as-built" documentation for the system. The documentation will consist of:

- Standard Equipment Manuals
- System Drawings
- Fixed Equipment Documentation
- Plan and Elevation Views of the Equipment Installation at the Radio Site
- Equipment Inter-cabling Diagrams for Each Site
- Demarcation Wiring Lists
- Programming and Level Setting Data Sheets
- Equipment by Site:
 - Key Access Procedures
 - Site Inventory Lists
 - Remote Sign-on Procedures and Passwords
 - Software Versions and Equipment Wiring by Equipment Site
- Radio Licenses
- Field ATP Test Sheets and Results
- R56 Site Audit
- Maintenance Records
- Warranty Information
- Service Provider

Equipment Manuals

Motorola will provide equipment manuals covering both standard and optional features. The content of these manuals is standardized and may not be specific to the City.



3.2.10.2 Warranty Period

The warranty services, described in Attachment E Warranty in Tab 12 of the proposal, are delivered during this phase of the project. The responsibility matrix in Table 3-18 defines the deliverables and responsibilities for both the City and Motorola.

Table 3-18: Responsibility matrix

Task	Responsibility	Deliverable
Warranty Transition Certificate	The City and Motorola	Agreed warranty start date
Documented Customer Support Plan	The City and Motorola	Agreed upon service procedures and expectations document

Completion Criteria

This task is considered complete when the warranty period expires.

3.2.10.3 System Performance

System Performance comprises many elements, including system coverage, system traffic, and equipment performance. Motorola will be responsible for the performance of all equipment provided by Motorola under this Contract. The City will assume responsibility for the performance of all other equipment necessary for completion of this project not provided by Motorola. A schedule will be provided by the project manager at the CDR meeting.

Equipment Performance

The project implementation requires the integration of existing City equipment with equipment provided under this contract.

Motorola-Provided Equipment

Motorola is responsible for the performance of the Motorola-provided hardware and software. This hardware and software must operate functionally, as described in the System Description, when operating within environmental specifications and in an RF environment that complies with the Motorola R56 specification. Performance is not guaranteed when the environment is outside of electromechanical and environmental specifications.

City-Provided Equipment

The City is responsible for the performance of all new and existing the City-provided hardware and software that will be interfaced with or integrated into the various subsystem implementations for this project.



3.3

CITY RESPONSIBILITIES FOR CIVIL WORK FOR THE CITY-PROVIDED FACILITIES

- Provide clear and stable access to the sites for transporting electronics and other materials. Sufficient site access must be available for trucks to deliver materials under their own power and for personnel to move materials to the facility without assistance from special equipment.
- Supply adequately-sized electrical service and backup power (UPS, generator, batteries, etc.) including the installation of conduit, circuit breakers, outlets, etc., at each equipment location.
- Provide adequate HVAC, grounding, lighting, cable routing, and surge protection (also, among existing and Motorola-provided equipment) based upon Motorola's R56 standards. Ceiling (minimum nine feet) and cable tray heights (minimum eight feet) in the equipment rooms in order to accommodate seven-foot, six-inch equipment racks.
- Provide floor space and desk space for the System equipment at the City-provided facilities. Each rack shall be provided a minimum of 24-inch x 24-inch footprint with 36-inch clearance in the front and back.
- Bring grounding system up to Motorola's R56 standards and supply a single point system ground, of five ohms or less, to be used on all FNE supplied under the Contract. Supply grounding tie point within 10 feet from the Motorola-supplied equipment.
- Provide all necessary wall or roof penetrations on existing buildings for antenna coax for main transmitter antennas, and control station Yagi antennas.
- Provide obstruction-free area for the cable run between the demarcation point and the communications equipment.
- Resolve any environmental issues including, but not limited to, asbestos, structural integrity (rooftop, water tank, tower, etc.) of the site, and any other building risks. (Resolve environmental or hazardous material issues).
- Arrange for space for installation of new antennas at the proposed heights.
- Motorola will utilize existing interior building cable trays, raceways, conduits, and wire supports.
- Supply engineering and drafting as required for modifications to existing building drawings for site construction as required for the antenna systems installation. Pay for usage costs of power and generator fueling, both during the construction and installation effort, and on an ongoing basis.
- Complete all the City deliverables in accordance within the approved Project Schedule.



3.4 ADDITIONAL SCOPE ADDED

3.4.1 Subscriber Flash Upgrade

Motorola will flash upgrade an additional 150 XTS 5000 portables and 19 XTL 5000 Consolettes, which includes to read and program the P25 templates back into the units and preventative maintenance.

Note: The price does not include building a new template.

3.4.2 Reprogram All Dispatch Consoles

Motorola Solutions, Inc. (Motorola) will reprogram all 68 dispatch consoles in the Broward County area that currently have Ft. Lauderdale Talkgroups. This will cover two console programming efforts:

- Configure console with existing and new P25 Talkgroups.
- Remove existing talkgroups after customer has cutover to new P25 system.

Motorola Responsibilities

First Touch (New P25 Talkgroups)

- Update CDM database with all new Fort Lauderdale P25 Talkgroups.
- Update CDM database, per console, with new Fort Lauderdale P25 talkgroups and IDs.
- Update Elite Configuration Database with new Fort Lauderdale P25 talkgroups.
- Update Provisioning Manager (SmartZone database) with new IDs per console, for Fort Lauderdale P25 talkgroups.
- Program COIM module with updated CDM database.
- Update/program each Gold Elite position to reflect new Fort Lauderdale P25 talkgroups, keeping existing talkgroups operational.

Second Touch (Remove Old Talkgroups)

- Update CDM database to remove old Fort Lauderdale Talkgroups.
- Update CDM database, per console, to remove old Fort Lauderdale Talkgroups and IDs.
- Update Elite Configuration files to remove old Fort Lauderdale Talkgroups.
- Program COIM modules with updated CDM database.
- Update/program each Gold Elite position to reflect the removal of old Fort Lauderdale talkgroups, keeping P25 talkgroups operational.

City Responsibilities

- Provide new Talkgroup Alias names and IDs.
- Provide new Individual IDs for SmartZone and CDM database entry.
- Provide new Screen Configurations per console position for first and second touches.

Assumptions/Comments

- This project will be considered complete upon installation and optimization.
- All installation efforts will be done in accordance with Motorola's R56 Quality Standards, with consideration given to existing conditions.

3.5 CHANGE ORDER PROCESS

- Either Party may request changes within the general scope of this Agreement. If a requested change causes an increase or decrease in the cost, change in system configuration or adds time to the project's timeline required to perform this Agreement, the Parties will agree to an equitable adjustment of the Contract Price, Performance Schedule, or both, and will reflect the adjustment in a Change Order. Neither Party is obligated to perform requested changes unless both Parties execute a written Change Order.

Sample Change Order Form



CHANGE ORDER
[Type CO# here]

Change Order No.: _____
 Date: _____
 Project Name: _____
 Customer Name: _____
 Customer Project Manager: _____

The purpose of this Change Order is to: *(highlight the key reasons for this Change Order)*

Contract No.: REQUIRED Contract Date: _____

In accordance with the terms and conditions of the contract identified above between [enter customer name] and Motorola Solutions, Inc., the following changes are approved:

Contract Price Adjustments

Original Contract Value:	\$
Previous Change Order Amounts for Change Order Numbers <input type="text"/> through <input type="text"/> :	\$
This Change Order:	\$
New Contract Value:	\$

Completion Date Adjustments

Original Completion Date:	
Current Completion Date prior to this Change Order:	
New Completion Date:	

Changes in Equipment: (additions, deletions or modifications) Include attachments if needed

Changes in Services: (additions, deletions or modifications) Include attachments if needed

Schedule Changes: (describe change or N/A)

Pricing Changes: (describe change or N/A)

Customer Responsibilities: (describe change or N/A)

Payment Schedule for this Change Order:
(describe new payment terms applicable to this Change Order)

Unless amended above, all other terms and conditions of the Contract shall remain in full force. If there are any inconsistencies between the provisions of this Change Order and the provisions of the Contract, the provisions of this Change Order will prevail.

IN WITNESS WHEREOF, the parties have executed this Change Order as of the last date signed below.

Motorola Solutions, Inc.

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

Reviewed By: _____
 Motorola Project Manager

Customer

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

Date: _____

PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 4 ACCEPTANCE TESTING

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015

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ACCEPTANCE TESTING

Preliminary acceptance test procedures for the proposed equipment components/modules follow.

4.1 WIDE AREA TRUNKING – FDMA-ONLY SITES

4.1.1 Talkgroup Call

1. DESCRIPTION

The Talkgroup is the primary level of organization for communications on a trunked radio system. Radios with Talkgroup call capability will be able to communicate with other members of the same Talkgroup. This provides the effect of a private channel down to the Talkgroup level. This test will demonstrate that a Talkgroup transmission initiated by a radio user will only be heard by system users, which have, the same Talkgroup selected. As with other types of calls, Talkgroup calls can take place from anywhere in the system.

2. TEST

- Step 1. Initiate a Wide Area Call with RADIO-1 in TALKGROUP 1.
- Step 2. Observe that only RADIO-2 will be able to monitor and respond to the call.
- Step 3. Initiate a Wide Area Call with RADIO-3 in TALKGROUP 2.
- Step 4. Observe that only RADIO-4 will be able to monitor and respond the call.

SETUP

RADIO-1 - SITE 1 - TALKGROUP 1
RADIO-2 - SITE 2 - TALKGROUP 1
RADIO-3 - SITE 1 - TALKGROUP 2
RADIO-4 - SITE 2 - TALKGROUP 2

VERSION #1.040

Pass _____ Fail _____

4.1.2 Secure Operation

1. DESCRIPTION

Digital encryption is used to scramble a transmission so only properly equipped and configured radios can monitor the conversation. A "Key" is used to encrypt the transmit audio. Only radios with the same "Key" can decrypt the audio and listen to it.

SETUP

RADIO-1 - TALKGROUP 1 (SECURE TX MODE)
RADIO-2 - TALKGROUP 1 (SECURE TX MODE)
RADIO-3 - TALKGROUP 1 (SECURE MODE and no, or incorrect key)
RADIO-4 - TALKGROUP 1 (Clear TX Mode)

Note: The identical secure mode must be programmed into RADIO-1, RADIO-2, RADIO-4 and that RADIO-3 has no secure code loaded or has a unique secure code from the other testing radios.

VERSION #1.020

2. TEST

- Step 1. Initiate a secure wide area call with RADIO-1 on TALKGROUP 1. Keep this call in progress until instructed to end the call.
- Step 2. Observe that RADIO-2 will be able to monitor the call.
- Step 3. Observe that RADIO-3 does not receive the call.
- Step 4. Observe that RADIO-4 will also receive the call even with the secure switch set to the non-secure mode of operation.
- Step 5. End the call from RADIO-1.
- Step 6. Respond with RADIO-2 and verify that RADIO-1 receives the response audio but RADIO-3 cannot.

Pass ____ Fail ____

4.1.3 Continuous Assignment Updating

1. DESCRIPTION

When a talkgroup is assigned a voice channel, the site controller continues to transmit the channel assignment on the control channel for the duration of the talkgroup call. Radios coming into use on the system are automatically sent to voice channels with conversations in progress involving their selected talkgroups.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-2 - TALKGROUP 1
RADIO-3 - TALKGROUP 1

VERSION #1.010

2. TEST

- Step 1. Turn OFF RADIO-1.
- Step 2. Initiate a Talkgroup Call using RADIO-2 and verify RADIO-3 hears the audio.
- Step 3. While the Talkgroup Call is in progress, turn ON RADIO-1.
- Step 4. Observe RADIO-1, which was just brought back into service, joins the Talkgroup Call already in progress.
- Step 5. End the talkgroup call.
- Step 6. Switch RADIO-1 to another talkgroup.
- Step 7. Initiate a Talkgroup Call from RADIO-2 to RADIO-3.
- Step 8. While the Talkgroup Call is in progress, set RADIO-1 back to TALKGROUP 1.
- Step 9. Observe that RADIO-1 joins the Talkgroup Call already in progress.

Pass _____ Fail _____

4.1.4 Recent User Priority

1. DESCRIPTION

A recent user of the channel has priority over other users of equal priority of being assigned a channel when a busy queue exists. The maximum number of consecutive times that a user may be elevated to recent user priority is two.

Note: Timing is critical for this test, it is recommended that the test be read through and understood before attempting to complete.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 3
RADIO-3 - SITE - SITE 1

VERSION #1.030

2. TEST

- Step 1. Ensure that the priority level for all talkgroups is the same. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 2. Press and hold the PTT switch of RADIO-1.
- Step 3. Press the PTT switch on RADIO-2. Verify that the radio receives a busy tone.
- Step 4. Press the PTT switch on RADIO-3. Verify that the radio receives a busy tone.
- Step 5. Release the PTT switch on RADIO-1.
- Step 6. As soon as RADIO-2 receives its callback tone, press and hold its PTT switch.
- Step 7. Within 2 seconds of callback, re-key RADIO-1. Verify that RADIO-1 receives a busy tone. Release the PTT switch on RADIO-1.
- Step 8. Release the PTT switch on RADIO-2. Verify that RADIO-1 receives a callback tone before RADIO-3.
- Step 9. Repeat Steps 2-8 for RADIO-1 and RADIO-2. Verify that the priority of RADIO-1 is once more elevated in the busy queue.
- Step 10. Repeat Steps 2-8 for RADIO-1 and RADIO-2 once more. Verify that in Step 9 that RADIO-3 receives the callback tone since RADIO-1 cannot be elevated in the busy queue more than two consecutive times.

Pass _____ Fail _____

4.1.5 Call Alert

1. DESCRIPTION

Call Alert is a tone page that allows a user to selectively alert another radio unit. The initiating radio will receive notification from the trunked system as to whether or not the page was received by the target radio. Units receiving a Call Alert will sound an alert tone. As with other types of calls, Call Alerts can take place from anywhere in the system.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-2 - TALKGROUP 2
RADIO-3 - TALKGROUP 3

VERSION #1.010

2. TEST

- Step 1. Using RADIO-1, press the page button.
- Step 2. Enter the unit ID of RADIO-2 with the keypad, or scroll to the location where this ID is stored
- Step 3. Press the PTT to initiate the call alert. Verify that the RADIO-1 user receives audible indication that the Call Alert was sent.
- Step 4. Verify that RADIO-2 user receives an audible indication of an incoming Call Alert was sent but RADIO-3 does not.
- Step 5. Verify RADIO-1 gets an audible indication that the Call Alert was successfully received at the target radio.
- Step 6. Turn off RADIO-2. Send a Call Alert from RADIO-1 to RADIO-2.
- Step 7. Verify that the RADIO-1 user receives audible indication that the Call Alert was sent.
- Step 8. Verify RADIO-1 receives a "No Acknowledgement" indication that the Call Alert was not received at the target radio.

Pass ___ Fail ___

4.1.6 Emergency Alarm and Call with Top of Queue

1. DESCRIPTION

Users in life threatening situations can use the Emergency button on the radio to immediately send a signal to the dispatcher and be assigned the next available voice channel. An Emergency Call can be set to either Top of Queue or Ruthless Preemption operation. During an emergency call the Emergency ID will appear on the display of the subscribers. To demonstrate this, an Emergency Alarm and Call will be initiated from a subscriber which will be received by a subscriber on the same talkgroup, affiliated at any site of any zone in the system.

NOTE: If the subscriber does not have the Display option, the Emergency ID will not be displayed.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - Any Site
RADIO-3 - TALKGROUP 2
RADIO-3 - SITE - SITE 1
RADIO-4 - TALKGROUP 3
RADIO-4 - SITE - SITE 1

All radios and talkgroups should start with default priorities. Default is 10.

VERSION #1.010

2. TEST

- Step 1. Verify the emergency type for TALKGROUP 1's template is set up as Top of Queue.
- Step 2. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 3. Press the PTT to initiate a call with RADIO-3 and hold the PTT switch until instructed to release.
- Step 4. Key RADIO-4 and verify the radio receives a busy tone. Release the PTT switch on RADIO-4.
- Step 5. Using RADIO-1 send an Emergency Call by depressing the emergency switch and then the PTT switch.
- Step 6. Observe that RADIO-1 cannot transmit due to the voice channel being busy.
- Step 7. Release the PTT switch on RADIO-3.
- Step 8. Observe that RADIO-1 receives the call back before RADIO-4 and is able to proceed with the call. Also observe that the display on RADIO-2 denotes an emergency and the unit ID or alias of RADIO-1.
- Step 9. Dekey RADIO-1 and end the Emergency Call by holding down the Emergency button on RADIO-1 until an alert tone sounds. Verify RADIO-1 returns to normal operation and that RADIO-4 receives a callback.
- Step 10. Return the system to normal operation by enabling all the channels at SITE 1.

Pass ____ Fail ____

4.2 SITE TRUNKING – FDMA-ONLY SITES

4.2.1 Site Trunking Indication

1. DESCRIPTION

When a remote site loses its link or does not have a link to the Zone Controller, the affected site will enter "Site Trunking" mode of operation. Radios locked onto this site will be serviced locally within this site's coverage area.

NOTE: If the subscriber does not have the Display option, the "Site Trunking" indication will not be displayed.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
RADIO-2 - SITE - SITE 1

Lock the subscribers to SITE 1 if more than one site exists on the system.

VERSION #1.010

2. TEST

- Step 1. Place SITE 1 into the Site Trunking mode.
- Step 2. Verify that RADIO-1 and RADIO-2 are displaying the "Site Trunking" indication.
- Step 3. Return the site to Wide Area Trunking unless the next test requires Site Trunking.

Pass ____ Fail ____

4.2.2 Talkgroup Call

1. DESCRIPTION

When a site goes into Site Trunking, radios with Talkgroup Call capability will be able to communicate with other members of the same talkgroup at that same site. Members of the same talkgroup at other sites will not be able to monitor those conversations.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 1
RADIO-3 - SITE - SITE 2
RADIO-4 - TALKGROUP 1
RADIO-4 - SITE - SITE 2

Note: All Radios should be "Site Locked"

VERSION #1.010

2. TEST

- Step 1. Place SITE 1 into the Site Trunking mode.
- Step 2. Initiate a Talkgroup Call with RADIO-1 on TALKGROUP 1 at SITE 1.
- Step 3. Observe that only RADIO-2 will be able to monitor and respond to the call. Note that RADIO-3 and RADIO-4 are not able to monitor the call since the site is not in wide area operation.
- Step 4. Initiate a Talkgroup Call with RADIO-3 on TALKGROUP 1 at SITE 2.
- Step 5. Observe that only RADIO-4 will be able to monitor and respond to the call.

Pass ____ Fail ____

4.2.3 Call Alert

1. DESCRIPTION

Call Alert is a tone page that allows a user to selectively alert another radio unit. When a site is in Site Trunking, Radios at the site will only be able to Call Alert other radios at the same site. The initiating radio will receive notification from the trunked system as to whether or not the page was received by the target radio.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
RADIO-2 - SITE - SITE 1

Note: All Radios should be "Site Locked"

VERSION #1.010

2. TEST

- Step 1. Place SITE 1 into the Site Trunking mode.
- Step 2. Using RADIO-1, press the page button.
- Step 3. Enter the Unit ID of RADIO-2 with the keypad, or scroll to the location where this ID is stored.
- Step 4. Press the PTT to initiate the Call Alert.
- Step 5. Verify that RADIO-2 received the Call Alert.
- Step 6. Exit the Call Alert mode and return to normal talkgroup mode.
- Step 7. Return the site to Wide Area Trunking unless the next test requires Site Trunking.

Pass____ Fail____

4.2.4 Emergency Call and Alarm

1. DESCRIPTION

Emergency Alarms and Calls can be initiated by subscribers when the registered site is in Site Trunking. With all subscribers registered on a Site Trunking site, a subscriber will initiate an Emergency Alarm by pressing the Emergency button. By pressing the PTT, an Emergency Call will be issued and the ID of the initiator will be displayed with an Emergency indication by the other subscribers on the same talkgroup.

Note that for site trunking, Emergency Call operation is always Top of Queue.

SETUP

RADIO-1 - TALKGROUP 1 °
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 2
RADIO-3 - SITE - SITE 1
RADIO-4 - TALKGROUP 3
RADIO-4 - SITE - SITE 1

Note: All Radios should be "Site Locked"

VERSION #1.010

2. TEST

- Step 1. Place SITE 1 into the Site Trunking mode.
- Step 2. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 3. Press the PTT on RADIO-3 and hold the PTT switch until instructed to release.
- Step 4. Key RADIO-4 and observe that the radio receives a busy.
- Step 5. Using RADIO-1, initiate an emergency alarm followed by an emergency call.
- Step 6. Observe that RADIO-1 cannot transmit due to the voice channel being busy.
- Step 7. Release the PTT switch on RADIO-3.
- Step 8. Observe that RADIO-1 can now proceed with the call and RADIO-2 receives the call. Also observe that the display on RADIO-2 denotes an emergency and the ID or Alias of the unit sending the emergency.
- Step 9. End the emergency call and verify that RADIO-4 gets a callback.
- Step 10. Restore all channels to service and return the site to Wide Area Trunking unless the next test requires Site Trunking.

Pass ____ Fail ____

4.2.5 Busy Queuing and Callback

1. DESCRIPTION

If no voice channel resources are available, radios requesting channels for new conversations are placed in the busy queue. Users of the same priority will move through the queue in a FIFO (first in, first out) sequence; however, users of higher priority will be inserted ahead of lower priority users in the queue. When a voice channel becomes available, the radio at the top of the busy queue gets a channel assignment and generates a callback tone. The callback alerts the user that a channel assignment was made and transmitting is now possible on the selected talkgroup.

SETUP

RADIO-1 - TALKGROUP 1 °
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 2
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 3
RADIO-3 - SITE - SITE 1
RADIO-4 - TALKGROUP 1
RADIO-4 - SITE - SITE 1

Note: All radios are "Site Locked."

VERSION #1.020

2. TEST

- Step 1. Simulate a busy system by disabling all channels at SITE 1 with the exception of the control channel and one voice channel.
- Step 2. Initiate a Talkgroup Call with RADIO-1 and observe that RADIO-4 receives the call. Keep this call in progress until instructed to end the call.
- Step 3. Key RADIO-2 and observe that the radio receives a busy.
- Step 4. Key RADIO-3 and observe that the radio receives a busy.
- Step 5. End the Talkgroup Call established in Step 2.
- Step 6. Observe that RADIO-2 receives a callback prior to RADIO-3 receiving a callback.
- Step 7. Return the site to Wide Area Trunking unless the next test requires Site Trunking

Pass____ Fail____

4.2.6 Wide Area Recovery

1. DESCRIPTION

A site in Site Trunking will transition to Wide Area Trunking when all failures have been cleared. All subscribers should transition from Site Trunking to Wide Area Trunking and continue to process calls.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1
RADIO-3 - TALKGROUP 1
RADIO-3 - SITE - SITE 2
RADIO-4 - TALKGROUP 1
RADIO-4 - SITE - SITE 2
CONSOLE-1 - TALKGROUP 1

Note: All Radios should be "Site Locked"

VERSION #1.020

2. TEST

- Step 1. Set the status of SITE 1 to Wide Area and clear any system errors that may have placed SITE 1 into Site Trunking.
- Step 2. Verify that the status of SITE 1 has transitioned into Wide Area Trunking.
- Step 3. Verify that RADIO-1 and RADIO-2 no longer display Site Trunking.
- Step 4. Verify Wide Area communications between RADIO-1, RADIO-2, RADIO-3, RADIO-4 and CONSOLE-1.

Pass____ Fail____

4.3 SYSTEM RELIABILITY FEATURES

4.3.1 Base Station Identification

1. DESCRIPTION

This test will demonstrate that the repeater(s) programmed for Base Station Identification (BSI) operation at every site broadcasts the FCC BSI at predefined intervals (usually 30 minutes). To accomplish this, a service monitor will be set up to monitor the BSI channel of a random site and note that the Base Station Identification is heard.

SETUP

A service monitor will be required to perform this test.

Note: A properly configured subscriber can be used to monitor the frequency for the BSI tones in place of a service monitor.

VERSION #1.030

2. TEST

- Step 1. Choose one site to test for Base Station Identification (BSI).
- Step 2. Setup the service monitor or subscriber to receive the frequency of the BSI channel for the particular site.
- Step 3. Monitor the service monitor until the Base Station Identification is broadcast. Verify that the BSI tones are heard on the monitored frequency.

Pass____ Fail____

4.3.2 Multiple Control Channels

1. DESCRIPTION

A maximum of four channels are eligible for assignment as control channel at each site. In the event that the assigned control channel fails at any remote site, the Zone Controller automatically selects one of the other control capable channels as the active control channel for that site. A Control Channel Preference Level can be used to rank the control capable channels where 1 is the highest ranking and 4 the lowest.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-2 - TALKGROUP 1
RADIO-3 - TALKGROUP 2
RADIO-4 - TALKGROUP 2

Note: All radios should be affiliated to the site under test.

VERSION #1.010

2. TEST

- Step 1. Initiate a Talkgroup Call with RADIO-1 on TALKGROUP 1.
- Step 2. Observe that only RADIO-2 will be able to monitor and respond to the call.
- Step 3. Initiate a Talkgroup Call with RADIO-3 on TALKGROUP 2.
- Step 4. Observe that only RADIO-4 will be able to monitor and respond to the call.
- Step 5. Power off the control channel at the site under test.
- Step 6. Observe that the control channel rotates to the next available channel capable of acting as a control channel.
- Step 7. Initiate a Talkgroup Call with RADIO-1 on TALKGROUP 1.
- Step 8. Observe that only RADIO-2 will be able to monitor and respond to the call.
- Step 9. Initiate a Talkgroup Call with RADIO-3 on TALKGROUP 2.
- Step 10. Observe that only RADIO-4 will be able to monitor and respond to the call. Power up the channel previously powered off to return the system to normal operation.

Pass ____ Fail ____

4.3.3 Receiver Interference Shutdown

1. DESCRIPTION

Receiver interference occurs when a repeater receives an unauthorized signal. In order to prevent a disruption of communications, the affected channel will be disabled and removed from the system's pool of available channel resources when the undesired carrier is detected for longer than the time-out period. Once the interfering carrier disappears, the channel is returned to service within approximately 5 minutes. The channel is then enabled.

Note: The default Carrier Malfunction Timeout is 50 seconds. If the default value is to be modified, the change will need to be made in the Unified Network Configurator (UNC) for the channel(s) to be modified.

SETUP

A Service Monitor or configured subscriber is needed to transmit a signal at the receive frequency of a chosen channel.

VERSION #1.010

2. TEST

- Step 1. Using a service monitor, transmit a 1 kHz tone at the receive frequency of any repeater.
- Step 2. Continue to transmit the 1 kHz tone until the controller removes the channel from service. (The Carrier Malfunction Time parameter timer is configurable, default is 50 seconds).
- Step 3. Initiate a Talkgroup Call with RADIO-1 on TALKGROUP 1.
- Step 4. Dekey (allow the channel to end the call) and initiate another Talkgroup Call with RADIO-1. Verify the affected channel is removed from the selection/assignment process by repeating talkgroup calls until the available channels have all been used.
- Step 5. From the Unified Event Manager (UEM), verify channel malfunction due to interfering carrier is indicated.
- Step 6. Remove the interfering signal. Verify the test Channel is returned to service within five minutes and that UEM indicates that the channel is now enabled.
- Step 7. Initiate a Talkgroup Call with RADIO-1 on TALKGROUP 1. Dekey (allow the channel to end the call) and initiate another Talkgroup Call with RADIO-1. Repeat the calls until the test channel has been used.
- Step 8. Verify that RADIO-2 can monitor and respond to the TALKGROUP 1 call on the channel that has returned to service.

Pass _____ Fail _____

4.3.4 Transmitter Power Failure Shutdown

1. DESCRIPTION

The repeaters can detect a loss or decrease in transmitter output power of all trunked repeaters connected to it. Each trunked repeater contains an internal wattmeter element. Once the forward power has decreased past the threshold set, the repeater instructs the Zone Controller to take the channel out of service. If reflected power increases past the threshold set, the repeater will also instruct the Zone Controller to take the channel out of service. Once the station threshold has been exceeded and the station taken out of service a 5 minute timer will start. At the timer expiration a transmitter test will start to perform a self check on the station. This self check lasts for 20 seconds. If the station passes the self check it will be placed back into service.

Note: This test should be done on a site with more than 2 channels. Failsoft will occur if the test is done on a 2 channel site.

SETUP

RADIO-1 - TALKGROUP 1

VERSION #1.010

2. TEST

- Step 1. Select a channel to disconnect the transmit antenna connection to the trunked repeater. (This will cause a high VSWR condition)
- Step 2. Key RADIO-1 so that the selected channel is assigned, and verify that the channel disables due to an alarm condition. Verify that this alarm is reported at the Unified Event Manager (UEM).
- Step 3. Wait 30 seconds after the failure then restore the transmit antenna connection to the trunked repeater.
- Step 4. Using the station LEDs, verify that the time it takes from the corrected connection to the station being placed back in service is within 5 minutes.
- Step 5. Verify the Unified Event Manager (UEM) also reports the station being back in service.

Pass _____ Fail _____

4.3.5 Station Failure

1. DESCRIPTION

When a base station repeater at one site fails due to hardware problems, the pending call is lost and the trunking controller removes the channel from service system wide. This failure can be created by powering down one base station repeater.

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1

VERSION #1.010

2. TEST

- Step 1. Power down a voice repeater for any voice channel at SITE 1.
- Step 2. Initiate calls using RADIO-1 to step through all available voice channels.
- Step 3. Verify that the disabled channel is not used at SITE 1.

Pass____ Fail____

4.3.7 Redundant Site Controller Switching – User Initiated

1. DESCRIPTION

The Site Controller subsystem uses two Site Controllers in a redundant configuration. The backup Site Controller is made active either upon the loss of the active Site Controller or upon a user initiated command from the Unified Event Manager (UEM).

SETUP

RADIO-1 - TALKGROUP 1
RADIO-1 - SITE - SITE 1 (Site Locked)
RADIO-2 - TALKGROUP 1
RADIO-2 - SITE - SITE 1 (Site Locked)
RADIO-3 - TALKGROUP 1
RADIO-3 - SITE - SITE 1 (Site Locked)

VERSION #1.010

2. TEST

- Step 1. Initiate a call using RADIO-1. Verify RADIO-2 and RADIO-3 can communicate with RADIO-1.
- Step 2. Verify both Site Controllers are enabled by viewing the site status in the UEM. Both Site Controllers should have a green, normal indication.
- Step 3. Initiate a user disabled on the active Site Controller using the UEM.
- Step 4. Verify that the backup Site Controller becomes active by viewing the status LED on the front panel of the Site Controller and the UEM.
- Step 5. Key RADIO-1 and verify that RADIO-2 and RADIO-3 hear the audio.
- Step 6. End the call from RADIO-1.
- Step 7. Enable the user disabled Site Controller and verify both are in Normal state.

Pass____ Fail____

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4.4 SIGNOFF CERTIFICATE

By their signatures below, the following witnesses certify they have observed the system Acceptance Test Procedures.

Signatures

WITNESS:

Date: _____

Please Print Name: _____

Initials: _____

Please Print Title: _____

WITNESS:

Date: _____

Please Print Name: _____

Initials: _____

Please Print Title: _____

WITNESS:

Date: _____

Please Print Name: _____

Initials: _____

Please Print Title: _____

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PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 5

WARRANTY AND MAINTENANCE

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015

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WARRANTY AND MAINTENANCE

5.1 OVERVIEW

Motorola Solutions, Inc. (Motorola) Field Service Organization (FSO) will continue to support and maintain the proposed system with our highly trained and experienced system technicians. The City of Fort Lauderdale (City) will not have to rely on an independent servicer for warranty and post-warranty support. Motorola is unique in the industry in that we maintain an extensive FSO nearby in our Southeast Headquarters in Plantation, Florida with experienced system technicians, servicing customers throughout South Florida. The FSO has a very wide range of expertise, including RF, network, IP, and microwave. Our FSO will provide the City with support that is integrated with your solution's design and implementation team.

We offer the City of Fort Lauderdale a comprehensive Warranty and Maintenance Support Plan. This all-inclusive plan for the City provides one year of warranty and support. The comprehensive post warranty maintenance includes:

- Project 25 (P25) Maintenance.
- Hosted Master Site Connection (Service Agreement #S00001021096).
- Existing MERs Trailer Preventative Maintenance Contract (Service Agreement #S00001002125).
- Existing Microwave Backhaul Maintenance Contract (Service Agreement #S00001002125).
- Existing Subscriber Depot Maintenance Contract (Service Agreement #S00001002125).
- Existing Fire Station Alerting Maintenance (Service Agreement #S00001002125).

Post warranty maintenance will not include SmartZone maintenance. The SmartZone maintenance will be canceled when the City gives Motorola 30 days written notice, after the P25 system has been cutover and is operational. Changes will go into effect at the first of the following month.

These Service Agreements will be merged into one Service Agreement (#S00001002125) at the end of the P25 warranty period.

These services can help increase both the availability and the operating efficiency of your network, while effectively managing costs and ensuring the safety of your employees and the citizens they protect.

Attachments provided at the end of this section:

- Statements of Work in Attachments X & Y.
- Subscriber Depot Radio List in Attachment Z.

5.2 WARRANTY SUPPORT

Following system acceptance, a one-year warranty and maintenance support program on the new equipment included. This is designed to keep your system operating at peak performance (Table 5-1). The plan combines the services of our Systems Support Center (SSC), located in Schaumburg, Illinois, with those delivered by our local FSO located just minutes away.

Table 5-1: Warranty services overview

Warranty Services	Warranty Year 1
Standard One-Year Warranty	✓
▪ Dispatch Service – 7x24x365	✓
▪ Technical Support – 7x24x365	✓
▪ OnSite Infrastructure Response – 7x24x365	✓
▪ Network Preventative Maintenance	✓
▪ Infrastructure Repair Service with Advanced Replacement	✓

5.2.1 Dispatch Operations

The SSC is the single point of contact for all service issues. With Dispatch Service, one phone call to the SSC and the system response and restoration process begins immediately. Dispatch ensures that local, trained, and qualified technicians will arrive on location within hours to diagnose and restore the City's communications network. An automated escalation and case management process is followed to ensure that technician site arrival and system restoration comply with your contracted response and restore times.

Once the issue has been resolved, the SSC verifies resolution and with your approval, closes the case. Case notes are updated throughout the repair process until completion and are available to the City via Motorola Online (MOL) web access.

5.2.2 Technical Support Operations

Technical Support Operations provides an additional layer of support through centralized, telephone consultation for issues that require a high level of communications network expertise and troubleshooting capabilities. Technical Support is available 24 hours per day, 365 days a year at the SSC, and is staffed with trained, skilled technologists specializing in the diagnosis and swift resolution of network performance issues. Our technologists work closely with the field service support team to ensure rapid resolution and closure of all network issues. They have access to a solutions database as well as in-house test labs and development engineers. Technical Support cases are continuously monitored against stringent inbound call management and case management standards to ensure rapid and consistent issue resolution. Technical Support service translates into measurable, customer-specific metrics for assured network performance and system availability.

5.2.3 OnSite Infrastructure Response

Motorola's local FSO will provide OnSite Infrastructure Response for all issues related to the proposed ASTRO 25 system. The FSO has been maintaining Motorola customers, products, and systems for over 20 years in South Florida. Our FSO is staffed with highly trained professionals that have experience maintaining a variety of technology platforms, including the City's current radio system. All FSO technicians continually participate in training with a minimum of 40 hours per year. FSO technicians are required to have at a minimum Electronics Technicians Association (ETA) Journeyman certification.

Our FSO is located within minutes of the City of Fort Lauderdale (in Broward County) and has over 20 years of experience supporting large-scale 800 MHz simulcast trunked systems including Miami Beach, Broward County, Plantation, Hollywood, Coral Springs, Palm Beach County, and others.

The City can be confident knowing that they are entrusting this significant investment with a qualified partner, with a proven track record, who will be there every step of the way working to keep your communications system operating at peak performance and supporting the City's ongoing communications needs.

The FSO will be on site within two hours of notifications for all major system issues. Upon site arrival, the field technician notifies the SSC for tracking and notification purposes and begins to work on the issue. The field technician will review the case notes to determine the status of the issue. Our Technical Support team at the SSC will work hand in hand with the field technician until the issue is resolved and the system is restored to normal operations.

5.2.4 Network Preventative Maintenance

Network Preventative Maintenance service provides a scheduled operational test and alignment of the infrastructure equipment. The purpose of preventative maintenance testing is to ensure that all equipment meets original manufacturer specifications and to confirm that all critical subsystems in the network are fully operational. The Preventative Maintenance check can help identify faulty system and subsystem components, such as controllers, base stations, routers, and switches, which can lead to major site or system outages if left unchecked. The annual Preventative Maintenance check is a critical part of the overall service support plan. Our field support team will work with the City to ensure the test is scheduled and executed in cooperation with the City. Upon completion, test results will be submitted to the City and kept as part of the ongoing maintenance records for the system. Preventative Maintenance testing is performed annually and scheduled through the Dispatch Operations team at the SSC.

5.2.5 Infrastructure Board Repair with Advanced Replacement

Infrastructure Repair with our Advanced Replacement upgrade supplements your spares inventory with Motorola's centralized inventory of critical equipment. In advance of Motorola repairing the malfunctioning unit, a replacement unit will be sent to the City within 24 hours to ensure a spare unit is available. Upon receipt of the malfunctioning unit, Motorola repairs the unit and replaces it in our centralized inventory.

Motorola repairs all Motorola-furnished equipment. Repair management is handled through a central location, eliminating the need to send equipment to multiple locations. Comprehensive test labs can replicate the network in order to reproduce and analyze the issue. State-of-the-art repair tools enable Motorola's technicians to troubleshoot, analyze, test, and restore the equipment to the original performance specifications.

5.3 P25 POST-WARRANTY SUPPORT

As our continuing commitment of service and support for the City system after the first-year warranty, Motorola has included post-warranty pricing for years two through five for the infrastructure equipment included in this proposal. The continuation of the warranty services beyond the first year will help ensure maximum system uptime as well as maintaining the highest level of system performance for years to come (Table 5-2).

Maintenance for the existing SmartZone 3.0 equipment is not included in this proposal. Maintenance for the existing equipment can be covered via a separate agreement or through time and materials.

Table 5-2: Post-warranty services overview

Post-Warranty Services	Post Warranty Years 2 to 5
- Dispatch Service – 7x24x365	✓
- Technical Support – 7x24x365	✓
- OnSite Infrastructure Response – 7x24x365	✓
- Network Preventative Maintenance	✓
- Infrastructure Repair Service with Advanced Replacement	✓

5.3.1 Dispatch Operations

Motorola's Systems Support Center (SSC) is the single point of contact for all service issues. With Dispatch Service, one phone call to the SSC and the system response and restoration process begins immediately. Dispatch ensures that local, trained, and qualified technicians will arrive on location within hours to diagnose and restore the City's communications network. An automated escalation and case management process is followed to ensure that technician site arrival and system restoration comply with your contracted response and restore times.

Once the issue has been resolved, the SSC verifies resolution and with your approval and closes the case. Case notes are updated throughout the repair process until completion and are available to the City via Motorola Online (MOL) web access.

5.3.2 Technical Support Operations

Technical Support Operations provide an additional layer of support through centralized, telephone consultation for issues that require a high level of communications network expertise and troubleshooting capabilities. Technical Support is available 24 hours per day, 365 days a year at the SSC and is staffed with trained, skilled technologists specializing in the diagnosis and swift resolution of network performance issues. Our technologists work closely with the field service support team to ensure rapid resolution and closure of all network issues, and they have access to a solutions database as well as in house test labs and development engineers. Technical Support cases are continuously monitored against stringent inbound call management and case management standards to ensure rapid and consistent issue resolution. Technical Support service translates into measurable, customer-specific metrics for assured network performance and system availability.

5.3.3 OnSite Infrastructure Response

Motorola's local FSO will provide OnSite Infrastructure Response for all issues related to the proposed ASTRO 25 system. FSO has been maintaining Motorola customers, products, and systems for over 20 years in South Florida. Our FSO is staffed with highly trained professionals that have experience maintaining a variety of technology platforms, including the City's current radio system. All FSO technicians continually participate in training with a minimum of 40 hours per year. FSO technicians are required to have at a minimum Electronics Technicians Association (ETA) Journeyman certification.

Our FSO is located within minutes of the City of Fort Lauderdale (in Broward County) and has over 20 years of experience supporting large-scale 800 MHz simulcast trunked systems, including Miami Beach, Broward County, Plantation, Hollywood, Coral Springs, Palm Beach County, and many other cities in Florida.

The City can be confident knowing that they are entrusting this significant investment with a qualified partner, with a proven track record, who will be there every step of the way working to keep your communications system operating at peak performance and supporting the City's ongoing communications needs.

The FSO will be on site within two hours of notification for all major system issues. Upon site arrival, the field technician notifies the SSC for tracking and notification purposes and begins to work on the issue. The field technician will review the case notes to determine the status of the issue. Our Technical Support team at the SSC will work hand in hand with the field technician until the issue is resolved and the system is restored to normal operations.

5.3.4 Network Preventative Maintenance

Network Preventative Maintenance service provides a scheduled operational test and alignment of the infrastructure equipment. The purpose of preventive maintenance testing is to ensure that all equipment meets original manufacturer specifications and to confirm that all critical subsystems in the network are fully operational. The Preventative Maintenance check can help identify faulty system and subsystem components, such as controllers, base stations, routers, and switches, which can lead to major site or system outages if left unchecked. The annual Preventative Maintenance check is a critical part of the overall service support plan. Our field support team will work with the City to ensure the test is scheduled and executed in cooperation with the City. Upon completion, test results will be submitted to the City and kept as part of the ongoing maintenance records for the system. Preventative Maintenance testing is performed annually and scheduled through the Dispatch Operations team at the SSC.

5.3.5 Infrastructure Board Repair with Advanced Replacement

Infrastructure Repair with our Advanced Replacement upgrade supplements your spares inventory with Motorola's centralized inventory of critical equipment. In advance of Motorola repairing the malfunctioning unit, a replacement unit is sent to you within 24 hours to ensure a spare unit is available. Upon receipt of the malfunctioning unit, Motorola repairs the unit and replace it in our centralized inventory.

Motorola provides repair of all Motorola-manufactured equipment, as well as equipment from third-party infrastructure vendors. Repair management is handled through a central location eliminating the need to send equipment to multiple locations. Comprehensive test labs can replicate the network in order to reproduce and analyze the issue. State-of-the-art repair tools enable Motorola's technicians to troubleshoot, analyze, test, and restore the equipment to the original performance specifications.

5.4 ADDITIONAL AVAILABLE MAINTENANCE SERVICES

Motorola has included pricing in the proposal for the following additional services. These services are available for purchase during the warranty year as well post-warranty.

5.4.1 Network Monitoring

Network Monitoring service can help keep your network at optimum availability so it is ready to serve mission critical communications needs. By watching over the network continuously, Network Monitoring service takes action whenever needed, and resolves network problems. We often intervene and correct the problem before you even know a problem exists. This feature provides improved productivity and enhanced network performance, which in turn helps to increase your technology return on investment.

Using a combination of network monitoring software, automated alerts, and remote diagnostics inquiries, our SSC technologists actively monitor your network to maximize network uptime and overall preparedness for the expected and unexpected. Upon receiving an alert, our team immediately performs a series of diagnostics to assess the problem. Often the situation can be resolved remotely, but when additional attention is required, local field technicians are dispatched immediately to your site to achieve restoration.

5.4.2 Software Maintenance Agreement

The Software Maintenance Agreement (SMA) is a lifecycle plan that compliments an ASTRO25 system by providing periodic software updates to safeguard and enhance operations and extend the lifespan of the system. In addition to providing system release software for your ASTRO25 system, the SMA includes software updates for third-party infrastructure products, radio subscriber units, product programming software, as well as commercial operating system (OS) patch updates. In addition, Motorola integrates all third party OEM updates and pre tests and certifies functionality and compatibility, mitigating risk of interference to your system operation. Regular updates ensure commercial software remains within the OEM support coverage and may provide operational enhancements of previously purchased features.

Hardware and implementation labor are not included with the SMA. If the SMA is not purchased as part of the service agreement, all updates will be billed on a Time and Material basis when implemented.

5.5 SUMMARY

Motorola's in-depth and first-hand knowledge of mobility, communications processes, technologies, and integrated solutions is invaluable. We have more than 80 years of experience designing, building, maintaining and managing large, complex mobile networks in more than 80 countries. Our 6,500 Motorola Services professionals and over 8,000 world-class partners and certified subcontractors, have the support of a global network of R&D centers and test labs, as well as Motorola service and support centers at local, regional and national levels. Few organizations claim to offer such a complete range of professional services within the communications industry. Even fewer are prepared to deliver.

As technology continues to evolve, the City of Fort Lauderdale can be confident that Motorola will also continue to improve on our services and processes. As a service provider for mission-critical users, Motorola understands that the City has an enormous responsibility to provide its user community with the best performing communications system possible and Motorola will continue to be your trusted and loyal partner every step of the way. From the initial purchase through the life cycle of your system, Motorola will continue to deliver and provide a service support product and structure that is distinguished, unique, and innovative.

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PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 6

EQUIPMENT LIST

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015

TABLE OF CONTENTS

Section 6

Equipment List.....	6-1
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EQUIPMENT LIST

QTY	NOMENCLATURE	DESCRIPTION
SYSTEM		
1	SQM01SUM0239	MASTER SITE CONFIG UPGRADE
1	CA00996AL	ADD: NM/ZC LICENSE KEY 7.14
1	CA00997AL	ADD: UCS LICENSE KEY 7.14
3	CA02106AA	ASTRO 25 FDMA VOICE SITE
1	CA01316AA	ADD: UNC ADDTL DEVICE LIC (QTY 10)
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	ADD: GCM 8000 COMPARATOR

QTY	NOMENCLATURE	DESCRIPTION
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
1	CA02214AA	ADD: SIMULCAST REMOTE SITE LICENSE VOICE ONLY
1	CA01194AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
1	CA02214AA	ADD: SIMULCAST REMOTE SITE LICENSE VOICE ONLY
1	CA01194AA	ADD: IP BASED MULTISITE SITE CONTROLLER SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	DSTRAK91071	FOUR PORT IRIG B TIME CODE FDM
3	DSTRAK91061	FOUR PORT DDM
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
2	CLN1856	2620-24 ETHERNET SWITCH ?
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01616AA	ADD: AC POWER
2	CLN1856	2620-24 ETHERNET SWITCH ?
1	TRN7343	SEVEN AND A HALF FOOT RACK
2	DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET PDU WITH TYPE 3 SAD PROTECTION
1	DSCPX1101986	SPD, RJ-45 CONNECTED (16) LINE T1/E1, 11VPL ON PINS (1,2) & (4,5)
2	BLN6200	AC POWER STRIP, 6 OUTLET
1	DS16401	SUMMIT X460-24T, 24 10/100/1000BASE-T, 8 100/1000BASE-X
	DS16421	EXTREMEXOS ADVANCED EDGE LICENSE FOR SUMMIT X460 SERIES SWITCHES
1	SQM01SUM0205	GGM 8000 GATEWAY

QTY	NOMENCLATURE	DESCRIPTION
1	CA01616AA	ADD: AC POWER
1	CLN1856	2620-24 ETHERNET SWITCH ?
1	DLN6885	FRU: XCVR 7/800 MHZ V2
1	DLN6895	FRU: PA 7/800 MHZ
1	DLN6569	FRU: GCP 8000/GCM 8000
1	DLN6781	FRU POWER SUPPLY
1	DLN6677	FRU: G-SERIES XHUB
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DLN6898	FRU: FAN MODULE
1	DLN6821	FRU: GTR ANALOG 4W E&M SIMULCST KIT
1	DLN6709	GTR/GPW OPTION CARD
1	DS16401	SUMMIT X460-24T, 24 10/100/1000BASE-T, 8 100/1000BASE-X
	DS16421	EXTREMEXOS ADVANCED EDGE LICENSE FOR SUMMIT X460 SERIES SWITCHES
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
2	CLN1856	2620-24 ETHERNET SWITCH ?
1	DSTRAK91061	FOUR PORT DDM
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE
1	CA00862AA	ADD: SITE & CABINET RMC W/CAPABILITY OF 7-24 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS

QTY	NOMENCLATURE	DESCRIPTION
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE
1	CA00877AA	ADD: CABINET RMC FOR EXPANSION RACK
1	CA00880AA	ADD: EXPANSION 6 PORT CAVITY COMBINER
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
2	DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET PDU WITH TYPE 3 SAD PROTECTION
2	BLN6200	AC POWER STRIP, 6 OUTLET
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DSF1TBMC	F1TBM-C 1/4" BNC MALE CONNECTOR
100	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9769	TRANSMISSION LINE,F1TNM-HC 1/4IN TY
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
2	CLN1856	2620-24 ETHERNET SWITCH ?
1	TRN7343	SEVEN AND A HALF FOOT RACK
1	DSTRAK91071	FOUR PORT IRIG B TIME CODE FDM
1	DSTRAK91061	FOUR PORT DDM
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM

QTY	NOMENCLATURE	DESCRIPTION
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE
1	CA00862AA	ADD: SITE & CABINET RMC W/CAPABILITY OF 7-24 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE
1	CA00877AA	ADD: CABINET RMC FOR EXPANSION RACK
1	CA00880AA	ADD: EXPANSION 6 PORT CAVITY COMBINER
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
4	DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET PDU WITH TYPE 3 SAD PROTECTION
2	BLN6200	AC POWER STRIP, 6 OUTLET
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DSF1TBMC	F1TBM-C 1/4" BNC MALE CONNECTOR

QTY	NOMENCLATURE	DESCRIPTION
100	L1702,	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9769	TRANSMISSION LINE,F1TNM-HC 1/4IN TY
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01619AA	ADD: DC POWER
2	CLN1856	2620-24 ETHERNET SWITCH ?
1	TRN7343	SEVEN AND A HALF FOOT RACK
1	DSTRAK91009E	REMOTE SITE REDUNDANT MODULAR FREQUENCY TIMING SYSTEM AC
1	DSTRAK91071	FOUR PORT IRIG B TIME CODE FDM
3	DSTRAK91061	FOUR PORT DDM
50	L1700,	FSJ1-50A CABLE: 1/4" SUPERFLEX POLY JKT PER FOOT
4	DDN9769	TRANSMISSION LINE,F1TNM-HC 1/4IN TY
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE
1	CA00862AA	ADD: SITE & CABINET RMC W/CAPABILITY OF 7-24 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHZ TX FILTER W/PMU
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHZ
1	X306AC	ADD: QTY (6) GTR 8000 BASE RADIOS
6	CA01193AA	ADD: IP BASED MULTISITE BASE RADIO SOFTWARE

QTY	NOMENCLATURE	DESCRIPTION
1	CA00877AA	ADD: CABINET RMC FOR EXPANSION RACK
1	CA00880AA	ADD: EXPANSION 6 PORT CAVITY COMBINER
2	CA00884AA	ADD: QTY (1) XHUB
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET PDU WITH TYPE 3 SAD PROTECTION
2	BLN6200	AC POWER STRIP, 6 OUTLET
1	DQBCR80013EDIN25	OMNI W/REFLEC VPOL 806-900,180 DEG, 13DBD 15.1DBI 1.25 DEG T, 25% NULL
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
5	TDN9289	221213 CABLE WRAP WEATHERPROOFING
5	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
150	L3323	AVA5-50 CABLE: 7/8" AVA HELIAX POLY **REPLACED BY L3617A AVA5-50FX**
2	DDN9498	7/8IN TYPE N-FEMALE POSITIVE STOP CONNECTOR FOR AL5-50 & AVA5-50 CABLE
3	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
150	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1089	L4TNF-PSA TYPE N FEMALE PS FOR 1/2 IN CABLE
3	DSSG1206B2A	SG12-06B2A 1/2IN SURE GROUND GROUNDING KIT
1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 12 VDC PASS NM ANTENNA, NF EQUIPMENT
1	DSF1TBM C	F1TBM-C 1/4" BNC MALE CONNECTOR
50	L1700	FSJ1-50A CABLE: 1/4" SUPERFLEX POLY JKT PER FOOT
1	DSF1TBM C	F1TBM-C 1/4" BNC MALE CONNECTOR

QTY	NOMENCLATURE	DESCRIPTION
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DSF1TBMC	F1TBM-C 1/4" BNC MALE CONNECTOR
100	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9769	TRANSMISSION LINE,F1TNM-HC 1/4IN TY
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
50	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DS8986A02D03	PRESELECTOR 806-824 MHZ, 3 MHZ BANDWIDTH, 19 INCH MOUNT, DUAL DIVERSIT
1	DQBCR80013EDIN25	OMNI W/REFLEC VPOL 806-900,180 DEG, 13DBD 15.1DBI 1.25 DEG T, 25% NULL
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
150	L3405	AVA7-50 CABLE: 1 5/8" AVA HELIAX POLY JKT PER FOOT
2	DDN9383	AL7DF-PSA 1-5/8" 7-16 DIN FEMALE POSITIVE STOP CONNECTOR
3	DSSG15806B2A	SG158-06B2A 1-5/8" SUREGROUND GROUNDING
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH POWER, DIN FEMALE/MALE BIDIRECTIONAL
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
4	DSSEC1114	SEC-1114 SNAP - SEAL ENTRY CUSHION 1X1 1/4" KT OF 1

QTY	NOMENCLATURE	DESCRIPTION
1	DQBCR80013EDIN25	OMNI W/REFLEC VPOL 806-900,180 DEG, 13DBD 15.1DBI 1.25 DEG T, 25% NULL
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
150	L3405	AVA7-50 CABLE: 1 5/8" AVA HELIAX POLY JKT PER FOOT
2	DDN9383	AL7DF-PSA 1-5/8" 7-16 DIN FEMALE POSITIVE STOP CONNECTOR
3	DSSG15806B2A	SG158-06B2A 1-5/8" SUREGROUND GROUNDING
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH POWER, DIN FEMALE/MALE BIDIRECTIONAL
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
4	DSSEC1114	SEC-1114 SNAP - SEAL ENTRY CUSHION 1X1 1/4" KT OF 1
SUBSCRIBERS		
1	T6748	ANALOG SMARTNET
234	Q808AG	ENH: ASTRO DIGITAL CAI OPTION
234	Q327BF	ENH: UPGRADE SMARTNET TO SMARTZONE
234	H14	ENH: ENHANCED PTT ID DISPLAY
234	Q361AM	ENH: PROJECT 25 9600 BAUD TRUNKING
1	T6748	ANALOG SMARTNET
150	Q808AG	ENH: ASTRO DIGITAL CAI OPTION
150	Q327BF	ENH: UPGRADE SMARTNET TO SMARTZONE
150	Q361AM	ENH: PROJECT 25 9600 BAUD TRUNKING
150	Q880AA	ENH: RADIO SOFTWARE REFRESH XTS5000
1	T6997	ANALOG SMARTNET PACKAGE

QTY	NOMENCLATURE	DESCRIPTION
19	G808 •	ADD: ASTRO DIGITAL CAI OPERATION
19	G347	ENH: SMARTZONE UPGRADE
19	G361AG	ENH: PROJECT 25 9600 BAUD TRUNKING



CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING

#14-1466

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee R. Feldman, ICMA-CM, City Manager

DATE: December 17, 2014

TITLE: Purchase Work Management Software for the Cayenta Utilities System -
\$282,640

Recommendation

It is recommended that the City Commission award the purchase of a proprietary work management software module for the Cayenta Utilities System from N. Harris Computer Corporation in the amount of \$282,640 and approve the License Agreement Addendum and the Statement of Work in substantially the form attached.

Background

The City's Public Works Department has used the Hansen System for work orders and maintenance tracking since 1997. The system has been upgraded several times since its installation but has become expensive to maintain and has limited interface capabilities. The Cayenta Utilities System for utility billing will be interfaced with the new enterprise resource planning system when it is selected and implemented. A work order module is available for the Cayenta Utilities System that would eliminate the need for the Hansen System. It also has the additional benefit of interfacing with the City's new customer relationship management system, QAlert, so that field workers can receive and update work orders remotely. No additional hardware is required for the Cayenta work management module as it will run on the existing servers. Annual maintenance for the Hansen System is \$125,000.

The Cayenta work order module will cost \$261,640, including first year maintenance, plus an estimated \$21,000 in travel costs to implement for a total estimated cost of \$282,640. Subsequent annual maintenance for the Cayenta work order module would be approximately \$25,000. The savings to the City would be approximately \$242,360 over five years and offers the additional benefits of allowing integration with other systems and process improvements that will save resources of staff time.

The work management software module is proprietary to N. Harris Computer Corporation.

Resource Impact

There will be a fiscal impact to the City in the amount of \$282,640.

<i>Funds available as of December 1, 2014</i>					
ACCOUNT NUMBER	INDEX NAME (Program)	OBJECT CODE/ SUB-OBJECT NAME	AMENDED BUDGET (Object Code)	AVAILABLE BALANCE (Object Code)	AMOUNT
450-PBS010101-3401	Public Services Directors	Services & Materials/ Computer Maintenance	\$422,530	\$177,458	\$24,640
450-PBS010101-6405	Public Services Directors	Capital Outlay/ Computer Software	\$133,000	\$133,000	\$133,000
450-PBS670101-6405	Treatment Operations	Capital Outlay/ Computer Software	\$450,000	\$354,900	\$125,000
TOTAL →					\$282,640

Strategic Connections

This item is a *Press Play Fort Lauderdale Strategic Plan 2018* initiative, included within the Internal Support Cylinder of Excellence, specifically advancing:

- Goal 11: Be a well-trained, innovative, and neighbor-centric workforce that builds community.
- Objective 4: Provide a reliable and progressive technology infrastructure

This item advances the *Fast Forward Fort Lauderdale Vision Plan 2035: We are United*.

Attachments

Exhibit 1 – License Agreement Addendum

Exhibit 2 – Statement of Work

Prepared by: Richard Ewell, Procurement Specialist II
Elizabeth Cohen, Administrative Assistant I

Department Director: Mike Maier, Information Technology Services



HURRICANE COVERAGE

Rev: 1 | Date: 06/01/15 | I.D. Number: PSM

EOC ADMINISTRATIVE INFORMATION

At (approximately) the Warning Phase and for the duration of the storm, the following staff will report as follows:

CITY HALL	EOC	POLICE
Jay Stacy, Mgr. Tech Svcs.	Mike Maier, ITS Director	Karl Maracotta, Mobility Manager
Carl Dixon, Data Center Supv.	Ian Wint, GIS Manager	
Carlos Pacheco, Asst. UNA	Andrew Parker, Converged Network Mgr.	
	Dumy Moncion, Communications Tech.	
	Scott Zager, Security Analyst	

In the aftermath of the storm, the ITS Director will determine when the next shift will begin. The following staff will then report as follows:

CITY HALL	EOC	POLICE
Gina Pujals, Customer Support Adm.	Kevin Keimel, Mgr. Tech Strategy	Craig Richards, Police ITS Manager
Michelle Flores, ITS Admin. Specialist	Gary Gray, Asst. Telecom. Mgr.	
Carlos Cisneros, Security Analyst	Lucia Hogan, GIS Application Developer	
	Norwyn Phillips, UNA	

Subsequent staff deployment will be determined by the ITS Director based upon the need for extended support coverage.



HURRICANE COVERAGE

Rev: 1 | Date: 06/01/15 | I.D. Number: PSM

ITS RADIO INVENTORY

Number	CITY ID #	Property #	Hurricane Assignment
1	741921	63900	City Hall
2	741922	63901	City Hall: Andrew Parker
3	741923	63902	GIS
4	741924	63903	GIS
5	not assigned	63904	City Hall
6	not assigned	63905	City Hall
7	not assigned	63906	City Hall
8	not assigned	63907	City Hall
9	not assigned	63909	City Hall
10			



SERVICES AGREEMENT

Attn: National Service Support/4th fl
 1301 East Algonquin Road
 (800) 247-2346

Contract Number: S00001021096
 Contract Modifier: RN27-OCT-14 07:37:14

Date: 10/27/2014

Company Name:	Fort Lauderdale, City Of
Attn:	
Billing Address:	100 N Andrews Ave 6th Flr
City, State, Zip:	Fort Lauderdale, FL, 33301
Customer Contact:	
Phone:	

Required P.O.: Yes
 Customer #: 1011657600
 Bill to Tag #: 0001
 Contract Start Date: 03/01/2015
 Contract End Date: 02/29/2016
 Anniversary Day: Feb 28th
 Payment Cycle: MONTHLY
 PO #: PP150264

QTY	MODEL/OPTION	SERVICES DESCRIPTION	MONTHLY EXT	EXTENDED AMT
		Total Services	\$12,500.00	\$150,000.00
SPECIAL INSTRUCTIONS - ATTACH STATEMENT OF WORK FOR PERFORMANCE DESCRIPTIONS		Subtotal - Recurring Services		
		Subtotal - One-Time Event Services		
		Total	\$12,500.00	\$150,000.00
		Taxes	-	-
MONTHLY PORT FEE FOR CONNECTION TO MOTOROLA HOSTED MASTER SITE.		Grand Total	\$12,500.00	\$150,000.00
		THIS SERVICE AMOUNT IS SUBJECT TO STATE AND LOCAL TAXING JURISDICTIONS WHERE APPLICABLE, TO BE VERIFIED BY MOTOROLA.		
		Subcontractor(s)	City	State
		MOTOROLA - BROWARD COUNTY FSO (DO913)	PLANTATION	FL

I received Statements of Work that describe the services provided on this Agreement. Motorola's Service Terms and Conditions, a copy of which is attached to this Service Agreement, is incorporated herein by this reference.

See attached signature pages

AUTHORIZED CUSTOMER SIGNATURE _____ TITLE *Year 3* DATE _____

CUSTOMER (PRINT NAME) _____
 MOTOROLA REPRESENTATIVE(SIGNATURE) *Cindee Markes* TITLE *CSM* DATE *10-27-2014*

Cindee Markes 954-723-4718
 MOTOROLA REPRESENTATIVE(PRINT NAME) PHONE

Company Name: Fort Lauderdale, City Of
 Contract Number: S00001021096
 Contract Modifier: RN27-OCT-14 07:37:14
 Contract Start Date: 03/01/2015

CITY OF FORT LAUDERDALE
 Procurement Services Division
 Fort Lauderdale, FL 33301

PURCHASE ORDER NUMBER
 PP150264

Federal Excise Tax No. 59-6000319
 State Sales Tax No. 85-8013875578C-1

00000013
VENDOR
 MOTOROLA SOLUTIONS INC
 8000 W SUNRISE BOULEVARD
 RCV 11-14J
 PLANTATION, FL 33322
 United States of America

DATE OF ORDER
 10/24/2014

SHIP TO
 Department/Division: Information Technology Services
 1301 SW 2 Court, Bldg 5
 Fort Lauderdale, FL 33312
 Department Contact Name: Jeanette Sameem
 (954) 828-5791 / rewell@fortlauderdale.gov

REQUIREMENTS
 IMMEDIATELY UPON SHIPMENT INVOICE IN DUPLICATE SHOW
 OUR PURCHASE ORDER NUMBER AND DEPARTMENT AND MAIL TO:
 Finance Department
 Accounts Payable
 100 N. Andrews Avenue, 6th Floor
 Fort Lauderdale, FL 33301

Req Number: RQ1501002
 Bid No:
 Contract No:
 Expiration Date: 7/10/2012, M-25
 Commission Approval: Hosted Master Site Agreement
 Description: Hosted Master Site Agreement

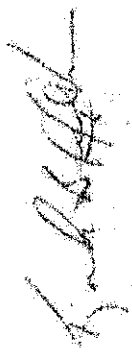
Class/Item No.	Order Unit	Order Quantity	Stock-Item	Description	Unit Price	Extended Amount	FY/Account Code
1 920-45	EA	1		Motorola Hosted Master Site for Radio Communications System Agreement, Service Period 10/01/2014- 09/30/2015.. Annual Connectivity Fee	\$150,000.00	\$150,000.00	15 / ITS020101-3410

FY/Account Code
 15 / ITS020101-3410

Purchase Order Total: \$150,000.00

IMPORTANT:
 1. Unless otherwise indicated by a line item on this P.O. the Payment Terms is Net 30 and Shipping Term is F.O.B. Destination.
 2. P.O. Number and receiving agency name must appear on all invoices and documents relating to this order.
 3. For additional information, please direct all inquiries to the Department Contact.
 4. The Terms & Conditions of this PO can be found on our website at WWW.FORTLAUDERDALE.GOV/PROCUREMENT/GENERALTERMS.PDF

Director of Procurement/Designee/Authorized Signatur

Signed: 

VISIT US AT WWW.FORTLAUDERDALE.GOV FOR MORE INFORMATION ON CURRENT SOLICITATIONS

SOUTH FLORIDA MASTER USER AGREEMENT

THIS SOUTH FLORIDA HOSTED MASTER USER AGREEMENT, including all Attachments and Exhibits hereto (the "User Agreement") effective August 24, 2012, (the "Effective Date"), is entered into by and between Motorola Solutions, Inc. ("Motorola"), a Delaware corporation authorized to transact business in the State of Florida, and the City of Fort Lauderdale, a Florida municipality, ("User" or "City" or "Customer"). This User Agreement is subject to acceptance by Motorola.

WHEREAS, Motorola owns and maintains an ASTRO® P25 Controller located in Plantation, FL ("South Florida Hosted Master Site" or "Master Site" or "HMS"); and

WHEREAS, User desires connection to the Motorola-South Florida Hosted Master Site located in Plantation, FL, by means of User provided Microwave Loop connectivity, pursuant to the terms of this User Agreement and User's Specific Fees and Services ("Attachment A"); and

WHEREAS, the ASTRO P25 Controller is comprised of facilities authorized by Federal Communications Commission, which governs use of radio stations in accordance with the requirements of Section 90.179(d) of the FCC's rules,

NOW, THEREFORE, in consideration of the foregoing and the mutual promises herein contained, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Motorola and the User covenant and agree as follows:

1. **DEFINITIONS.** Capitalized terms used in this Agreement have the following meanings:
 - 1.1. "Beneficial Use" means when User first uses the Hosted Master Site for operational purposes (excluding training or testing).
 - 1.2. "CMR" means Change Management Request.
 - 1.3. "Days" means calendar days.
 - 1.4. "Effective Date" means that date upon which the last Party executes this Agreement.
 - 1.5. "Force Majeure" means an event, circumstance, or act of a third party that is beyond a Party's reasonable control (e.g., an act of God, an act of the public enemy, an act of a government entity, strikes or other labor disturbances, hurricanes, earthquakes, fires, floods, epidemics, embargoes, war, and riots).
 - 1.6. "Specifications" means the functionality and performance requirements that are described in Attachments A and B.
 - 1.7. "SMA" means Software Maintenance Agreement where Motorola provides software only required to execute a system release infrastructure upgrade. Hardware and labor is not included.
 - 1.8. "SUA II" means Software Upgrade Agreement II where Motorola provides software, hardware and implementation services required to execute up to one system infrastructure upgrade in a two-year period.

1.9. "UCM" means Unified Configuration Manager. A management application used to enter and maintain configuration information for the User Configuration Server (UCS). The UCM is part of the Motorola Private Radio Network Management (PRNM) Suite.

1.10. "UEM" means Unified Event Manager. A fault management tool for the ASTRO 25 radio system.

2. ACCEPTANCE

For the purpose of this User Agreement, Motorola shall not be bound by the terms and conditions in any other document, including User's purchase order, unless expressly agreed to in writing. Service will be provided only on the terms and conditions herein. Acceptance of services hereunder by User shall constitute an acceptance of these terms and conditions.

3. SERVICES AND USER FEES

3.1 User has requested, and Motorola agrees to provide the services detailed in Attachment A.

3.2 User agrees to pay an Annual Connection Fee as described in Attachment A. From time to time, Motorola may add additional features and functionality to the South Florida Hosted Master Site. User acknowledges and agrees that any such additional features or functionality will be available to User for an additional fee, with the exception of minor feature enhancements incorporated into the system as part of the normal course of system upgrades. Motorola agrees to waive future user radios license fees for additional City of Fort Lauderdale sponsored agencies, including City of Fort Lauderdale Fire-Rescue Department and Police Department. Federal, state and local agencies that are sponsored by the City and granted access to the City's radio system for purposes of mutual aid and interoperability shall be treated as if they are a Fort Lauderdale user. Motorola retains the right to charge non City of Fort Lauderdale sponsored agencies. This waiver applies only for licenses for features of portable or mobile radio users. This waiver does not apply to consoles, CAD, applications or any other licenses.

3.3 User's initial service fees, as they apply to User equipment added to the Hosted Master Site, if applicable, are detailed in Attachment A. Motorola agrees to maintain User's current schedule of fees without increase through the Initial Term (defined below) of this Agreement, unless this Agreement is terminated prior to the end of the Initial Term. After expiration of the Initial Term, Motorola may revise User's current schedule of fees set forth in Attachment A, by giving User written notice of the amount of increase at least by 12 months before the year in which the increased schedule of fees is to become effective, not to exceed 1.5% of the current schedule of fees. The new fees shall become effective on the date specified in such notice.

3.4 Billing will commence as described in Attachment A.

3.5 User understands and agrees that any and all programming of User equipment shall be the responsibility of and paid for by User. The User understands and agrees to purchase equipment compatible with the Motorola ASTRO25 equipment that is located at the South Florida Hosted Master Site operated by Motorola. Any incompatibility of equipment obtained by User from a source other than furnished by Motorola pursuant to an executed Communications System Agreement shall be at User's sole risk, responsibility and expense.

3.6 The parties agree that no equipment will be sold to User under this User Agreement. Any equipment required for the User to connect to, and use the South Florida Hosted Master Site will be

purchased by User separately. Repair and maintenance of any User-owned equipment loaded on the system will be the responsibility of User. Motorola may sell equipment or provide such repair and maintenance services to User under separate agreements.

3.7 User will provide Motorola with a complete itemized list of all User equipment that will be used with, or connected to the Master Site. User will update and provide this list to Motorola annually.

3.8 Attachment B contains a list of features and functionality available to User by using the South Florida Hosted Master Site. This list of features and functionality will be updated and provided to User annually.

4. TERM

This User Agreement will remain in full force and effect for an initial period of five (5) years from the execution date of the Agreement. After the Initial Term, the parties may mutually agree to extend this Agreement for two (2) additional one-year periods (Renewal Term). "Term" means Initial and Renewal Terms collectively. The parties will enter into good faith discussions regarding the possibility of entering into a Renewal Term at least one year prior to the expiration of the Initial Term.

5. ASSIGNMENT; SUBCONTRACT

Except as provided herein, each Party may assign this Agreement or any of its rights or obligations hereunder with written notice to the extent notice is allowed by law, with the prior written consent of the other Party, which shall not be unreasonably withheld. Any attempted assignment, delegation, or transfer without the necessary consent will be void. The use of subcontractors by Motorola will not relieve Motorola of its duties under this Agreement. In the event the parties agree to the use of a subcontractor(s) by Motorola, the subcontractor must be a Motorola Authorized subcontractor.

6. REGULATORY ISSUES/COVENANTS OF USER

6.1 It shall be the responsibility and obligation of User to seek all approvals including federal, state, county, municipal or other governmental authority having jurisdiction over User in order to enter into this User Agreement.

6.2 User agrees (a) to observe and abide by all applicable statutes, laws, ordinances, rules and regulations, including but not limited to those of the FCC, and (b) to operate its radios and any related equipment so as not to cause interference with any other users using the ASTRO P25 Hosted Master Site. User recognizes that applicable FCC rules and other statutes, laws, ordinances, rules and regulations may change from time to time.

7. COVERAGE

This User Agreement addresses the use and connectivity of the Motorola-owned South Florida Hosted Master Site. Motorola makes no coverage warranties or commitments whatsoever in this Agreement related to Radio Frequency coverage.

8. DEFAULT AND REMEDIES

8.1. **User's Default.** If User fails to make any payment of any sum due or fails to perform as required by any other provision hereunder, and continues in such failure for fifteen (15) days after written notice by certified mail, or notice by courier with receipt, has been sent by Motorola to User, the User shall be deemed in default under this User Agreement.

8.2 In the event of User's default, Motorola has the right, at its option, to immediately terminate this User Agreement, retain all payments made for work performed hereunder, deny User any service provided by HMS and can provide a quote if needed for charges for both disconnection and reconnection expenses. If disconnect takes place and User requires transition reprogramming, User may also be subjected to additional costs for reprogramming its equipment. All of the rights and remedies of Motorola in this User Agreement are cumulative to, and not in lieu of, every other right and remedy in this User Agreement and afforded by law and equity. In the event User is disconnected for breach of this Agreement, and after Termination the User is reinstated, Motorola will charge a reconnection fee of \$25,000, and the Annual Connection Fee will be adjusted for the applicable period.

8.3 **Motorola's Default.** In the event the Hosted Site is down and unavailable to User, Motorola will credit the User per the terms of Section 11.1 of the Service Support Plan (Appendix D) attached and incorporated herein.

9. TERMINATION

9.1 **Termination for Cause.** User may terminate this Agreement for cause, as defined above in Section 8.3, by providing written notice to Motorola at least sixty (60) days in advance of the specified effective date of the termination.

9.2 **Termination for Convenience.** User may terminate this Agreement for its convenience by providing written notice to Motorola at least sixty (60) days in advance of the specified effective date of the termination. If the User provides at least 60 days' notice or more, the User shall be liable solely for the fees due at the time of termination on a pro rata basis. If the User provides less than sixty (60) days' notice, User will pay a disconnection fee equal to the sum remaining for the current year.

9.3 **Termination for Non-Appropriations.** In the event of non-appropriations for the following year, User must provide prompt notice to Motorola. Motorola will disconnect the User on the date specified and the User will pay to Motorola all sums due for worked performed or services provided up to the date of disconnection.

9.4 In the event that Motorola decides to terminate this Agreement, it will provide the Users with a minimum of one (1) year notice, at which time Motorola and the Users will discuss and mutually agree to a plan for final termination.

10. DISPUTE RESOLUTION

The Parties will use the following procedure to address any dispute arising under this Agreement (a "Dispute").

10.1. **NEGOTIATION.** Either Party may initiate the Dispute resolution procedures by sending a notice of Dispute ("Notice of Dispute"). The Parties will attempt to resolve the Dispute promptly through good faith negotiations, including (1) timely escalation of the Dispute to executives who have authority to settle the Dispute and who are at a higher level of management than the persons with direct responsibility for the matter and (2) direct communication between the executives. If the Dispute has not been resolved within ten (10) days from the Notice of Dispute, the Parties will proceed to mediation.

10.2. **MEDIATION.** The Parties will choose an independent Florida-Supreme-Court-certified mediator within thirty (30) days of a notice to mediate from either Party ("Notice of Mediation"). Neither Party may unreasonably withhold consent to the selection of a mediator. Each Party will bear its own

costs of mediation, but the Parties will share the cost of the mediator equally. Each Party will participate in the mediation in Broward County, Florida, in good faith.

10.3. LITIGATION, VENUE and JURISDICTION. If a Dispute remains unresolved for sixty (60) days after receipt of the Notice of Mediation, either Party may then submit the Dispute to a court of competent jurisdiction in Broward County, Florida. Venue in this case shall be in Broward County, Florida, or in the event of federal jurisdiction, in the Southern District of Florida, Fort Lauderdale Division. Each Party irrevocably agrees to submit to the exclusive jurisdiction of the courts in Florida any claim or matter arising under or in connection with this Agreement.

11. Liquidated Damages / Credits:

11.1 In the event Motorola fails to meet the stated response or restoration time as agreed in the maintenance plan (referencing Appendix D Section 1) of this User Agreement, liquidated damages may be levied in an amount of \$1,250/per month for 1st event, \$3,750/per month for 2nd event, \$5,000 per month for 3 or more events in an amount not to exceed a total of 3 outages per month.

11.2 Any credits caused by Motorola's failure to meet response and restoration times, and any credits earned as a result thereof will be calculated for each calendar month and the credits will be deducted from the next month's maintenance invoice.

11.3 In no event will liquidated damages assessed in any month exceed \$10,000.00.

11.4 All response and restoration time will be tracked by Customer Service Requests (CSR) reports.

11.5. In the case of Non-Movable equipment, a Response is defined as a Motorola Service Technician arriving on site or accessing the equipment remotely by telephone.

11.5.1 Response Time is the time from the receipt of request for service until a Response occurs.

11.6. Restoration is defined as work performed, either in person or through remote means, to cause defective or failed equipment to operate in a normal manner.

11.6.1 Restoration may include temporary replacement of defective or failed equipment with spare equipment until the replaced unit is repaired.

11.6.2. Restoration Time is the time from the receipt of customer's request for service until Restoration occurs.

Note: Motorola will not be held responsible for Site Trunking Conditions or outages caused by non-Motorola-supplied customer owned or supplied equipment or mutually agreed upon maintenance tasks that may require components of the South Florida Hosted Master site to go off line.

Liquidated damages may be levied with the exception of occurrences which are a result of FORCE MAJEURE. Neither Party will be liable for its non-performance or delayed performance if caused by a Force Majeure. A Party that becomes aware of a Force Majeure that will significantly delay performance will notify the other Party promptly (but in no event later than fifteen days) after it discovers the Force Majeure. If a Force Majeure occurs, the Parties will execute a change order to extend the Performance Schedule for a time period that is reasonable under the circumstances

12. DISCLAIMER OF WARRANTIES AND LIMITATIONS OF REMEDIES

12.1 MOTOROLA HEREBY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, DIRECT OR INDIRECT, EXPRESS OR IMPLIED, WRITTEN OR ORAL, IN CONNECTION WITH EQUIPMENT OR SERVICE (WHETHER PURCHASED OR LEASED BY USER FROM MOTOROLA OR ANOTHER), INCLUDING BUT NOT LIMITED TO, ANY AND ALL EXPRESS AND IMPLIED WARRANTIES OF SUITABILITY, DURABILITY, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

12.2 USER ACKNOWLEDGES AND AGREES THAT ITS SOLE AND EXCLUSIVE REMEDY IN CONNECTION WITH ANY DEFECTS IN ANY EQUIPMENT, INCLUDING MANUFACTURE OR DESIGN, SHALL BE AGAINST THE MANUFACTURER OF THE EQUIPMENT UNDER THE MANUFACTURERS' WARRANTIES AND THAT MOTOROLA UNDER THIS USER AGREEMENT SHALL HAVE NO LIABILITY TO USER IN ANY EVENT FOR ANY LOSS, DAMAGE, INJURY, OR EXPENSE OF ANY KIND OR NATURE RELATED DIRECTLY OR INDIRECTLY TO ANY SUCH EQUIPMENT OR SERVICE.

13. INTERRUPTION OF SERVICE; FORCE MAJEURE

Notwithstanding any other provision of this User Agreement, Motorola shall not be liable to User or any other person for any loss or damage, regardless of cause, for interruption or loss of radio service, except as described in Section 14 (Limitation of Liability) below. Motorola does not assume and shall have no liability under this User Agreement for failure to provide, or delay in providing, service due directly or indirectly to causes beyond the control of Motorola or their subcontractors, including but not restricted to, acts of God, or governmental entities, or of the public enemy, strikes, or unusually severe weather conditions. In the event of any failure or delay attributable to the fault of Motorola or its subcontractors, User's sole remedy shall be limited as is more fully described Section 14 (Limitation of Liability) below.

14. LIMITATION OF LIABILITY

14.1 USER UNDERSTANDS AND ACKNOWLEDGES THAT (A) OCCASIONAL INTERRUPTIONS OR IRREGULARITIES IN THE SERVICE MAY OCCUR; AND (B) ANY POTENTIAL HARM FROM INTERRUPTIONS OR IRREGULARITIES IN THE SERVICE IS SPECULATIVE IN NATURE. THE HOSTED MASTER SITE CANNOT PROVIDE RADIO SERVICE AT RATES WHICH REFLECT ITS VALUE TO EACH USER, AND MOTOROLA SHALL NOT ASSUME RESPONSIBILITY OTHER THAN THAT CONTAINED IN THIS USER AGREEMENT. ACCORDINGLY, USER AGREES THAT EXCEPT AS LIMITED BY LAW, MOTOROLA'S SOLE LIABILITY FOR LOSS OR DAMAGE ARISING OUT OF MISTAKES, OMISSIONS, INTERRUPTIONS, DELAYS, ERRORS, OR DEFECTS IN THE SERVICE OR TRANSMISSION OF SERVICE PROVIDED BY THE HOSTED MASTER SITE AND/OR MOTOROLA OR ANY TRANSPORT PROVIDER, OR FOR LOSSES OR DAMAGES ARISING OUT OF THE FAILURE OF MOTOROLA OR ANY TRANSPORT PROVIDER TO MAINTAIN PROPER STANDARDS OR MAINTENANCE AND OPERATION, SHALL BE AS FOLLOWS:

14.2 THE SERVICE FURNISHED BY MOTOROLA, IN ADDITION TO THE PRECEDING LIMITATIONS, IS ALSO SUBJECT TO THE FOLLOWING LIMITATION: THE LIABILITY OF MOTOROLA FOR LOSS OR DAMAGES ARISING OUT OF MISTAKES, OMISSIONS, INTERRUPTIONS, DELAYS, ERRORS OR DEFECTS IN THE SERVICE, ITS TRANSMISSION OR FAILURES OR DEFECTS IN FACILITIES OF THE UNDERLYING TRANSPORT PROVIDER, OCCURRING IN THE COURSE OF FURNISHING SERVICE AND NOT CAUSED BY THE NEGLIGENCE OF THE AUTHORIZED USER, OR THE UNDERLYING TRANSPORT PROVIDER IN FAILING TO MAINTAIN PROPER STANDARDS OF MAINTENANCE AND OPERATION AND TO EXERCISE REASONABLE SUPERVISION, SHALL IN NO EVENT EXCEED AN AMOUNT EQUIVALENT TO THE PROPORTIONATE FIXED MONTHLY CHARGE TO THE AUTHORIZED USER FOR SERVICE DURING THE PERIOD OF TIME IN WHICH SUCH MISTAKES, OMISSIONS, INTERRUPTIONS, DELAYS, ERRORS, OR DEFECTS IN SERVICE, ITS TRANSMISSION OR FAILURES OR DEFECTS IN FACILITIES FURNISHED BY MOTOROLA OR THE UNDERLYING TRANSPORT PROVIDER OCCURRED. MOTOROLA WILL BEAR NO LIABILITY FOR ANY OTHER CLAIMS OF ANY KIND.

14.3 Motorola shall not in any event be liable for service or equipment interruptions or delays in transmission, errors or defects in service or equipment when caused by acts of God, fire, war, riots, government authorities, or other causes beyond its control.

14.4 Motorola shall not be liable for any damage, accident, injury or the like occasioned by the User's use of the hosted master solution or the SmartX gateway, except as provided herein.

14.5 ALTHOUGH THE PARTIES ACKNOWLEDGE THE POSSIBILITY OF SUCH LOSSES OR DAMAGES, THEY AGREE THAT MOTOROLA WILL NOT BE LIABLE FOR ANY COMMERCIAL LOSS; INCONVENIENCE; LOSS OF USE, TIME, DATA, GOOD WILL, REVENUES, PROFITS OR SAVINGS; OR OTHER SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO OR ARISING FROM THIS AGREEMENT, OR THE PERFORMANCE OF SERVICES BY MOTOROLA PURSUANT TO THIS AGREEMENT.

14.6 This entire Section 14, limitation of liability provision survives the expiration or termination of the Agreement and applies notwithstanding any contrary provision.

15. INDEMNITY

15.1. Motorola will defend, indemnify and hold Customer harmless from any and all liability, expense, judgment, suit, cause of action, or demand for personal injury, death, or direct damage to tangible property which may accrue against Customer to the extent it is caused by the negligence of Motorola, its subcontractors, or their employees or agents, while performing their duties under this Agreement, if Customer gives Motorola prompt, written notice of the claim or suit. Customer will reasonably cooperate with Motorola in its defense or settlement of the claim or suit. This section sets forth the full extent of Motorola's general indemnification of Customer from liabilities that are in any way related to Motorola's performance under this Agreement.

15.2. Patent and Copyright Infringement.

(a) Indemnification Obligation. Motorola shall indemnify Customer by defending, at its expense, any claim, and any lawsuit brought against Customer to the extent it is based on a third-party claim alleging that any Motorola Solutions branded product ("Motorola Product"), as originally delivered by Motorola Solutions to Customer under this Agreement, directly infringes a United States patent or copyright ("Infringement Claim"), so long as Motorola Solutions is notified in writing by Customer as soon as reasonably practicable as to any such claim, but in no event after Motorola Solutions would be prejudiced by a lack of such notice, is given sole authority and control of the defense, and is provided by Customer all requested information and assistance for resolving or defending the Infringement Claim. To the extent that Customer obtains accused products from multiple suppliers, any obligation to defend and indemnify hereunder shall be limited to a pro-rata cost of defense and remedy or settlement in proportion to the cost to Customer of the Motorola Products compared to the cost to customer of all accused products. For non-Motorola Solutions-branded product supplied hereunder, including any third party software, Motorola's obligations for IP infringement claims shall be limited to any IP indemnities or defense commitments provided by such third party supplier. In addition to Motorola's obligation to defend, and subject to the same conditions, Motorola Solutions shall pay all damages finally awarded against Customer by a court of competent jurisdiction to the extent based upon such Infringement Claim, or agreed to in writing by Motorola Solutions in settlement of the Infringement Claim. If a Motorola Product is subject to an injunction or like remedy or, if in Motorola's judgment, likely to become subject to an injunction or like remedy, in addition to its obligation to defend and pay damages, Motorola, in its sole discretion, shall: (a) obtain a license for Customer to continue to use the Motorola Product purchased from Motorola; (b) replace or modify the Motorola Product so as to be substantially functionally equivalent but non-infringing; or if neither of the foregoing options is a commercially reasonable option, as determined by Motorola (c) credit the Customer for the value of such allegedly infringing Motorola Product, based on Motorola's list price, less a reasonable charge for depreciation calculated on a three (3) year straight line depreciation basis. Motorola shall have no liability to Customer for any alleged or actual infringement, or otherwise, arising out of or in connection with Customer's use or transfer of Motorola Products after Motorola's written notice to Customer that Customer shall cease use or transfer of such Motorola Products. (b) Exceptions. Motorola shall have no obligation to defend or indemnify Customer under this agreement for any damages based upon a per-use royalty or the Customer's revenues, or upon any damages theory other than a reasonable royalty of the patent owner based on, the purchase price (or alternatively, the portion of the monthly recurring charge attributable to use of the

Product) paid by Customer to Motorola for the infringing Motorola Product. Motorola shall have no obligation to defend or indemnify Customer under this agreement for any alleged or actual infringement arising out of (a) use of Motorola Products in connection or in combination with equipment, devices or software not provided by Motorola; (b) use of Motorola Products in a manner for which they were not designed; (c) any modification of Motorola Products by anyone other than Motorola Solutions; (d) compliance with Customer's designs, specifications, guidelines or instructions or (e) compliance with a standard issued by any public or private standards body; Motorola shall have no obligation to defend or indemnify Customer under this Agreement for Infringement Claims arising in a dispute initiated by Customer's assertion of Customer Intellectual property against a third party. Motorola shall not be responsible for any compromise or settlement made by Customer without Motorola's prior written consent.

(b) Exclusive Remedies. THIS SECTION PROVIDES CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES AND MOTOROLA'S ENTIRE LIABILITY IN THE EVENT OF AN INFRINGEMENT CLAIM. CUSTOMER HAS NO RIGHT TO RECOVER AND MOTOROLA SOLUTIONS HAS NO OBLIGATION TO PROVIDE ANY OTHER OR FURTHER REMEDIES, WHETHER UNDER ANOTHER PROVISION OF THIS AGREEMENT OR ANY OTHER LEGAL THEORY OR PRINCIPLE, IN CONNECTION WITH AN INFRINGEMENT CLAIM. IN NO EVENT SHALL MOTOROLA BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, COLLATERAL, CONSEQUENTIAL OR PUNITIVE DAMAGES OR LOST PROFITS OF CUSTOMER IN CONNECTION WITH ANY CLAIMS, LOSSES, DAMAGES OR INJURIES UNDER THIS SECTION.

16. NOTICES

Any notice or demand required or permitted to be given or made hereunder shall be given or made by certified or registered mail to the addresses shown immediately below the signature of the party's signatory to this Agreement. Any party may, from time to time, designate any other address for this purpose by written notice to the other party.

17. WAIVER

Failure or delay on the part of any party to exercise any right, remedy, power or privilege hereunder shall not operate as a waiver thereof. A waiver, to be effective, must be in writing and signed by the party making the waiver. A written waiver of a default shall not operate as a waiver of any other default or of the same type default on a future occasion.

18. GENERAL

No revision of this User Agreement, including any attachments hereto, shall be valid unless made in writing and signed by an authorized employee of Motorola, as system manager, and an authorized agent of User. This User Agreement and the list of attachments constitute the entire agreement of the parties and shall supersede all prior offers, negotiations pertaining to the Hosted Master Site agreements. If any provision of this User Agreement or the application thereof to any person or circumstance shall, at any time or to any extent, be determined by a court of competent jurisdiction to be invalid or unenforceable, the remainder of this User Agreement shall not be affected thereby. This User Agreement is exclusively for the benefit of the parties hereto and shall, under no circumstances, be deemed to benefit any other party whatsoever. This User Agreement shall be construed in accordance with and governed by the laws of the State of Florida.

19. RECORDS

Motorola shall keep all such records and accounts as may be necessary in order to record complete and correct entries for charges and any expenses for which Motorola expects to be paid. All books and records relative to services under this Agreement shall be available at all reasonable times, and on reasonable prior notice, for examination, copying or auditing by Customer or its agent, and shall be kept for a period of three (3) years after the completion of all work to be performed pursuant to this Agreement or the period of time required by Florida law and corresponding Florida public records law retention schedules, whichever is longer. All books and records which are public records pursuant to Florida law shall, pursuant to Chapter 119, Florida Statutes, be kept by Motorola in accordance with such statutes, and shall be available for inspection and copying in accordance with the Florida public records law. If any audit has been initiated and audit findings have not been resolved at the end of such retention period, the books, records, and accounts shall be retained until resolution of the audit findings. Customer shall be entitled to recover Payments from Motorola if there is evidence that Customer has overpaid Motorola. Except if otherwise provided by Florida law, Motorola will not disclose its confidential or proprietary cost and pricing data.

20. INSURANCE

After execution of this Agreement, Motorola shall provide to the Customer a certificate of commercial liability insurance with an AM Best's A- rated or better insurance company authorized to issue insurance policies in the State of Florida, with commercial general liability insurance, in an amount not less than \$1,000,000 combined single limit for bodily injury and property damage, including coverage for premises/operations, products/completed operations, contractual liability, independent contractors; and

After execution of this Agreement, Motorola shall provide to the Customer a certificate of business auto liability insurance with an AM Best's A- rated or better insurance company authorized to issue insurance policies in the State of Florida, subject to approval by the Customer's risk manager, in an amount not less than \$1,000,000 per occurrence combined single limit for bodily injury and property damage (or bodily injury: \$250,000 each person, \$500,000 each occurrence, and property damage: \$100,000 each occurrence), including coverage for owned autos and other vehicles, hired autos and other vehicles non-owned autos and other vehicles. The commercial general liability policy shall include the City of Fort Lauderdale, a Florida municipality, as an additional insured; and

Worker's compensation insurance, including employer's liability, with an AM Best's A- rated or better insurance company authorized to issue insurance policies in the State of Florida, with limits not less than \$100,000 per accident, \$500,000 disease (policy limit), and \$100,000 disease (each employee) in compliance with all Florida and federal laws.

The Parties hereby enter into this Agreement as of the date signed below ("Effective Date").

CITY OF FORT LAUDERDALE:

[Signature]
John P. "Jack" Seiler, Mayor

ATTEST:

[Signature]
Jonda K. Joseph, City Clerk

[Signature]
Lee R. Feldman, City Manager

Approved as to form:

[Signature]
Sr. Assistant City Attorney

WITNESSES:

Print Name: Rick Rigsbee
Print Name: Keith Guinn

MOTOROLA SOLUTIONS, INC.:

By: [Signature]
Print Name: Marshall Wright
Title: MSSSI VP & Director, Sales

ATTEST:

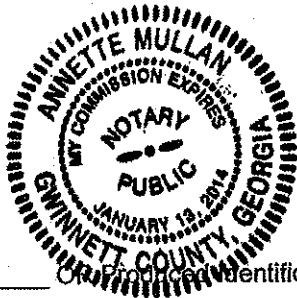
[Signature]
Print Name: Judith Jean-Pierre
Secretary

(Corporate Seal)

STATE OF GEORGIA
COUNTY OF GWINNETT

The foregoing instrument was acknowledged before me this 11th day of July 2012, by as for Motorola Solutions, Inc., a Delaware corporation authorized to transact business in the State of Florida.

(SEAL)



[Signature]
(Signature of Notary Public)

State of Georgia
(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally Known Identification _____

Type of Identification Produced _____

ATTACHMENT A: (USER'S SPECIFIC FEES AND SERVICES)

Annual Connection Fee - The Annual Connection Fee for User's use of the Motorola-South Florida Hosted Master Site ASTRO 25 Controller will be \$150,000.00. This fee is the total billable amount, inclusive of all fees and taxes if applicable. Annual Connection Fee will be paid on a monthly basis and can be added to Ft. Lauderdale's maintenance contract. This fee includes the port cost and provisions to supply a Hosted Master Site service to the User, including the use of the Motorola provided tower and Motorola's equipment room space and power needed to connect to City network via a two hop microwave loop pursuant to the South Florida Hosted Master User Agreement. Additional connectivity costs for new features or functionality requested by User may apply, with the exception of minor feature enhancements incorporated into the system as part of the normal course of system upgrades. The User agrees to pay a one-time \$25,000 setup fee upon system cutover for Beneficial Use for day to day operations. The User will only be responsible for licenses pertaining to any user-selected features offered by HMS. Motorola shall be responsible for all other fees, costs and expenses related to any licenses required for the effective performance of the HMS; Motorola agrees to waive future user radios license fees for additional City of Fort Lauderdale-sponsored Agencies, including but not limited to City of Fort Lauderdale Fire-Rescue Department, Police Department, and local governments including City of Pompano Beach, City of Wilton Manors, and City of Oakland Park. Federal, state and local agencies that are sponsored by the City and granted access to the City's radio system for purposes of mutual aid and interoperability shall be treated as if they are a Fort Lauderdale user. Motorola retains the right to charge radio user licenses to additional users to the system of non-City of Fort Lauderdale system users. In the event the City of Fort Lauderdale Migrates to a Motorola P25 system additional port and connection fees during migration will be waived. This waiver applies only for licenses for features of portable or mobile radio users, and for infrastructure and consoles required for a P25 migration while both the analog and digital systems are active. This waiver does not apply to, CAD, applications or any other licenses.

The first invoice will be issued upon cutover prorated based upon start date until October 1, and all subsequent invoices will be sent at the beginning of the month thereafter. Payment is due net forty-five (45) days from the invoice date. Any other services that the User may seek from Motorola-South Florida Hosted Master Site such as user billing, enhanced system monitoring, or "New Feature" services that are not covered in this User Agreement, etc; will be quoted upon request and covered under a separate agreement.

1. **Set Up Fee** - User shall be responsible for a one time set up fee of \$25,000 in order to facilitate connection to South Florida Hosted Master Site.
2. **Transport Link** - As the system is designed, User will need a sufficient number of circuits to connect with the Motorola controller in Plantation, FL. All costs associated with these circuits are the responsibility of the customer. Motorola agrees to provide the City with access to the Motorola Hosted Master Site tower and equipment shelter for the installation of two microwave transceivers and associated support equipment with dish antennas located at a height sufficient to insure a clear path to both the Utilities and Police Department site antennas as currently positioned on the City towers. There shall not be any additional cost to the City for shelter and tower access as long as the City has a maintenance contract in place with Motorola to support the Microwave.
3. **Security Group** - South Florida Hosted Master Site will provide User with ten (10) security groups for use by the User System Manager, based upon availability.
4. **System Management**- Motorola can provide data base administration services or provide the City with a quote for the necessary tools for the ability of the City to manage control of all users and infrastructure of the User system This includes, but not limited to, the ability to activate and

deactivate radio ID's, dynamic regrouping of radios, prioritization of radios (**Using network defined priority levels**) used on the User System. Due to session limitations the User may not have continuous access to system monitoring applications such as Zone Watch and the UEM. For system monitoring tools, Genwatch or like tools will need to be used. Sessions for UCM will be shared between users with no guarantee of availability. Motorola may remotely end sessions if necessary to perform maintenance.

5. User ID's / Talk Groups - Motorola will provide User with a minimum of 2500 individual radio ID's and a minimum of 200 talkgroup ID's the number of talk groups and individual radio ID's at system installation. This will be created and documented after contract execution. In addition, Motorola will provide the ID's necessary to address future growth and system changes to the User system. These ID's and talk groups are under the exclusive control of User to use as User sees fit for its system users and operations.
6. Advanced System Key - Motorola will program User-supplied Advanced System Key Daughter keys to program subscriber units. Motorola will not release the Advanced System Key, as it relates to the User system, other security keys or any information regarding User ID's Talk groups, etc., to anyone without the specific written consent of User. Motorola shall provide Master Advance system keys without restrictions to User system managers of connected systems, regardless of what system their infrastructure is associated to.
7. Upgrades of Master Site - Motorola will notify all user agencies of any routine upgrade procedures that affect the wide area operations of the system at least fourteen (14) days prior to scheduled work by submittal of a Change Management Request (CMR). Two hours prior to commencing work, Motorola operations will contact designated User contacts by phone to determine "Go/Don't go" status. If no significant events are identified work will commence as scheduled. In the event an urgent customer event arises after this final notification, the customer will notify South Florida Hosted Master Site operations as soon as possible so Motorola may temporarily stand down. The User will then notify South Florida Hosted Master Site operations as soon as the event is over so that scheduled work can commence. If the event continues long enough that the work cannot be completed at a reasonable time, work will automatically be re-scheduled at a mutually acceptable date and time after the original time. Every effort will be made to complete the work in the time window in the notification. In the event work continues past the scheduled window, South Florida Hosted Master Site will notify designated User contacts with status updates.
8. Emergency Maintenance and Repairs of Master Site - In the event of a system failure that impacts system operation, Motorola will respond per the terms of the Service Level Agreement. After resources are dispatched to begin restoration, Motorola will notify Users as soon as possible to notify them of status and estimated repair time. After system is restored, designated User contacts will be contacted to verify normal operations. Should User need to perform a system maintenance procedure that will take down a site or sites, or otherwise interrupt normal operations, the User shall notify Motorola with a mutual agreed upon written notification.
9. Software Maintenance Agreement (SMA) - In order to maintain the stability of the South Florida Hosted Site, the system will be updated with the latest features and security enhancements. The system will need to be refreshed a minimum of once a year. If a major issue is discovered and a resolution needs to be implemented, an additional refresh may be required. Because the User infrastructure will be connected to a Hosted Master Site, the User's ASTRO 25 infrastructure will need to be refreshed at the same time the Master site is refreshed or the User's equipment may no longer function on the Master Site. In order for User infrastructure and equipment to remain compatible with the Master Site, the User agrees to purchase from Motorola and keep current a

Software Maintenance Agreement (SMA), subject to negotiation and agreement by the parties, or a Software Upgrade Agreement II, subject to negotiation and agreement by the parties, during the Term of this Agreement. If a SMA is chosen and not an SUA II, any necessary hardware updates and installation labor costs are the responsibility of the City of Fort Lauderdale. Motorola will coordinate ordering the software for the User infrastructure to promote compatibility as a complete system. User will coordinate with its system servicer to refresh the User equipment as outlined in the SMA. User agrees to work in good faith to coordinate refreshing or replacing its equipment in a timely manner. If a major issue is discovered that requires the User infrastructure to be upgraded, Motorola agrees to implement any updates required at the Master site to accommodate the User. If User does not keep a current SMA/SUAII or refuses to upgrade to the current system release, Motorola will have the right to disconnect the User infrastructure from the Master Site to ensure incompatibility issues do not affect the Master site or any other users, until upgrade is completed. This will also be enforced with other customers to protect User. In addition, it is encouraged, but not required, that User purchase a SUAII to cover any hardware and labor costs associated with these upgrades.

10. Essential Services for P25 Infrastructure Users - In order to protect the health and integrity of the Master Site and Users' systems, the following essential services must be purchased from Motorola and kept in force through a separate maintenance agreement. Dispatch, Network & Security Monitoring, Security Update Service, Technical Support, Local On-Site Infrastructure Support, Infrastructure Repair with Advanced Replacement, Preventative Maintenance, and SMA/SUAII. The aforementioned services allow Motorola to monitor, identify the source of and diagnose system faults and intrusions. Without these services, the health and security of the Master Site and all users' systems would be at risk.

If User does not keep these services current, Motorola will have the right to disconnect the User ASTRO 25 infrastructure from the Master site to protect the health and security of the Master site or any other users. This will also be enforced with other customers to protect User.

11. User Committee – Motorola will facilitate the creation of a User Committee. This group will meet monthly to discuss the performance of the Hosted Master Site and to make recommendations to Motorola regarding the ongoing operations and supported features of the South Florida Hosted Master Site. Motorola is not bound by the decisions of the Committee, but will take these recommendations into consideration when considering future upgrades or changes to the network.
12. Customer Equipment - User owns its radio sites, equipment and Control of its system. Securing an Interoperability agreement between Hosted users on the South Florida Hosted Master Site is the responsibility of each User.
13. Interoperability – If User desires to have roaming capabilities with other users or to permit other users to access User system, Motorola, upon specific written request from all applicable users, will facilitate the interoperability of the users systems. User is responsible for securing the appropriate interoperability agreements with other users.
14. Future Functionality – When features and functionality are added to the South Florida Hosted Master Site, they will be made available to User at a mutually negotiated rate. Any upgrades or additions necessary to the User's sites or equipment will be the sole responsibility of User. Motorola may provide these upgrades or additions pursuant to a separate agreement, with the exception of no cost, value-added features incorporated into the system as part of the normal course of system upgrades.
15. Master Site Facilities - Motorola will provide a hurricane category 5 rated shelter and generator with a maximum allowed hour fuel capacity both specified 4 ft above floodplain with a minimum of eight (8) hour battery backup power to house the South Florida Hosted Master Site equipment.

Motorola will also provide a category 5 rated tower to help facilitate microwave links to the Master Site. Availability of the tower for use with User's site links is limited by the loading, space, and frequency use and will be available on a first come, first served basis.

ATTACHMENT B: (SYSTEM FEATURES)

1. **POP25** – Motorola's over-the-air programming feature is called Programming Over P25 (POP25). POP25 allows radios to be remotely configured from Customer Enterprise Network (CEN) by sending a sequence of commands over-the-air via the IV&D transport layer. POP25 enables reconfiguration of radio user functionality without physically touching the radio. A Packet Data Gateway (PDG) has been included with the Hosted Master Site to facilitate the IV&D transport layer. Customers are responsible for CEN hardware, backhaul connectivity to the master, and software license to subscriber. Availability CEN connections to the Hosted Master Site is limited to the capacity supported by the current system release of the Master Site and based on a first come first served basis.
2. **Text Messaging** – Text Messaging Service makes use of the IV&D transport layer. A Packet Data Gateway (PDG) has been included with the Hosted Master Site to facilitate the IV&D transport layer. Customers are responsible for CEN hardware, backhaul connectivity to the master, and software license to subscriber. Availability CEN connections to the Hosted Master Site is limited to the capacity supported by the current system release of the Master Site and based on a first come first served basis.
3. **Over the Air Rekeying** – Over the Air Rekeying makes use of the IV&D transport layer. A Packet Data Gateway (PDG) has been included. Customers are responsible for CEN hardware, backhaul connectivity to the master, and software license to subscriber. Availability CEN connections to the Hosted Master Site is limited to the capacity supported by the current system release of the Master Site and based on a first come first served basis.
4. **Gold Elite Dispatch Consoles** – The embassy switch will support a maximum number of Gold Elite consoles. The maximum number of Gold Elite consoles supported is a function of the link bandwidth between Central Electronics Bank (CEB) and embassy switch that will need to be determined via AEB summing calculation on a case by case basis. The availability of adding Gold Elite consoles will be based on a first come first served basis. Customers are responsible for AMB and AIMI boards and console software refresh. Once the maximum number of Gold Elite console is achieved then customers will need to purchased MCC 7500 consoles.
5. **MOSCAD** – The Motorola Supervisory Control and Data Acquisition (MOSCAD) Graphic Master Central (GMC) coupled with the MOSCAD Remote terminal Unit (RTU) creates a fault management subsystem that ports non-SNMP alarms, such as environmental alarms, over to the SNMP alarming system (UEM). MOSCAD also provides control capabilities through dry-contact relays, and limited programming capabilities to non-IP-based site equipment such as channel banks, microwave equipment, GPS receivers, and legacy base stations. A GMC, GWS, and RTU has been included as part of the Hosted Master Site equipment and will be located at the Master site. Customers are responsible for GWS and RTU needed to provide alarm monitor capabilities to their radio system sites.

The following matrix provides the maximum number of licenses and simultaneous sessions supported per application that could operate on the Network Manager Terminal:

Application	Description	Max Licenses and Simultaneous Sessions
Unified Network Configuration (UNC)	Provides the capability for a user to enter configuration information for all infrastructure and transport objects.	7
User Configuration Manager	Provides the capability for a user to enter configuration information for all radio users, console users and some security.	16
Unified Event Manager (UEM)	Network Fault Management tool.	6
Zone Watch	Provides a graphical display of channel activity for an entire zone by channel.	5
Historical Reports	Provides the capability for users to manually or automatically generate historical performance reports through the use of standard templates.	10
Dynamic Reports	Provides the capability for users to generate near real-time graphical reports showing the total system utilization for talkgroup, private, and interconnect calls.	5
Radio Control Manager (RCM)	This option also includes Radio Inhibit, Dynamic Regrouping and Status capability.	32
Affiliation User Reports	Allows a user to observe selected real time affiliations in the zone for sites, talk groups, or individual radio users. Also provides graphing capabilities.	5

The following matrix provides the Master Site Core Features for a SmartZone 3.0 and ASTRO 25 System:

Master Site Core Feature	SmartZone 3.0	ASTRO 25 System
Zones	1	1-7
RF Subsystems	100	100/zone
Channels	N/A	700/zone
Simulcast Cells	N/A	64/zone
Simulcast Sites per Cell	10	15
Channel per Simulcast Cell	28	30
Channel per Repeater Site (IR)	28	28
Unit IDs	48,000	64,000
Affiliated Users	48,000	64,000
Talkgroup	4,000	16,000
Dispatch Supported	Gold Elite	Gold Elite and MCC 7500
Dispatch Sites	N/A	55/zone
Dispatch Positions	N/A	2,000
Modulation Type Supported	Analog, Digital, Mixed Mode	Digital FDMA or TDMA
Frequency Band Supported (MHz)	VHF, 350, UHF, 800, 900	VHF, 350, UHF, 700, 800
Portable Supported	ASTRO Saber, MTS 2000, XTS 1500/2500/5000	APX XTS 1500/2500/5000
Mobile Supported	MCS 2000, ASTRO Spectra, XTL	ASTRO Spectra, XTL APX
Max number of Security Groups	N/A	2,000

6. **SmartX-** Motorola has developed an IP migration solution called the SmartX Site Interface that enables customers with legacy Motorola systems such as SmartNet, SmartZone 3.0 and SmartZone 4.1 systems to gradually migrate to an ASTRO 25 IP network. SmartX site license has been included as part of the Master Site. Customers are responsible for SmartX converter hardware and software, Gold Elite and base station software refresh, AIMI and AMB hardware, network hardware, and backhaul connectivity to the Master Site.

APPENDIX D

South Florida Hosted Master Site Service Support Plan

Overview:

Motorola's Hosted Master Site System Support Plan will provide its users with a fully equipped, ready to go service solution. The ongoing operation and system performance of the South Florida Hosted Master Site is an effort by Motorola Solutions to ensure the health of the system throughout its life cycle.

Motorola is responsible for continuously maintaining system performance, availability, and functionality of the South Florida Hosted Master Site, beginning upon Final System Acceptance and continuing throughout the contract term. Maintenance responsibilities include any support structures and resources provided by Motorola for the Master Site and all System-management and System-supervisory platforms provided and installed by Motorola.

Motorola responsibilities include:

- **Master Site Infrastructure Control**
This structured process for managing global changes to the Master Site infrastructure incorporates configuration management and coordinates with the Users management team and Motorola System Manager Approvals.
- **Infrastructure Repair/Site Maintenance**
Rapid on-site response is enabled through a strategically stored spares inventory and logistics; module repair or swap-out; and routine site maintenance.
- **Database Administration/Network Security**
Regular scheduled database backups stored in strategic location, in combination with authorized and authenticated password control, ensures the highest possible protection for the safety and security of network data and provides the highest level of network security.
- **Reporting**
Monthly meetings with the Users and Motorola team members who are responsible for the ongoing operability of the South Florida Hosted Master Site are held to review performance/activity reporting, develop action plans, assign accountability, and set resolution deadlines.

The below items provide Statement of Work (SOW) details that are implemented throughout the life cycle support and service of the South Florida Master Site.

1. Maintenance Plan
2. Escalation Procedures
3. Network & Security Monitoring
4. System Management Reports
5. Local On-Site Infrastructure Support
6. Infrastructure Repair with Advanced Replacement
7. Table of Severity Codes and Response Times
8. Preventative Maintenance
9. SMA/SUAII
10. Technical Support

1. Maintenance Plan:

The system support provided by Motorola's maintenance plan shall consist of Motorola's response to the Customer's notification of a system failure or system alarm, equipment repair/alarm and preventative maintenance.

System failures, malfunctions or interruptions shall be reported to Motorola's System Support Center at 1-800-323-9949 by either the customer or a Motorola Field Service Technician. Motorola Dispatch Operations will generate a Customer Service Request (CSR) and initiate the "CSR Sequence of Events upon Initiation of a Service Call".

1.1. Maintenance for Non-Movable Equipment

All Motorola Hosted Master Site Non-Movable equipment service requests will involve Dispatch Operations of the Motorola System Support Center. The Dispatch Operations function evolves from a telephone dispatch center which is staffed 24 hours/day, seven (7) days/week to receive telephone requests for a number of different maintenance support services via 1-800-323-9949. The initiation of a service request establishes an electronic record of the request and all subsequent actions with time/date and resource/support person involved through and to the resolution of the event. Thus, the System Support Center personnel are empowered to act as the "focal-point" to manage and utilize predetermined resources and people in order to address any given situation. In addition, Motorola's Dispatch Operations reports to the affected customer(s) and field service technician the status, both during resolution and upon completion, of all the actions taken; any FRU's or replacement parts used and repair cycle-time of each Customer Service Request (CSR). The predetermined resource "contact lists" utilized by Dispatch Operations personnel, along with procedure details, resource coordination and goals, are covered in subsequent paragraphs.

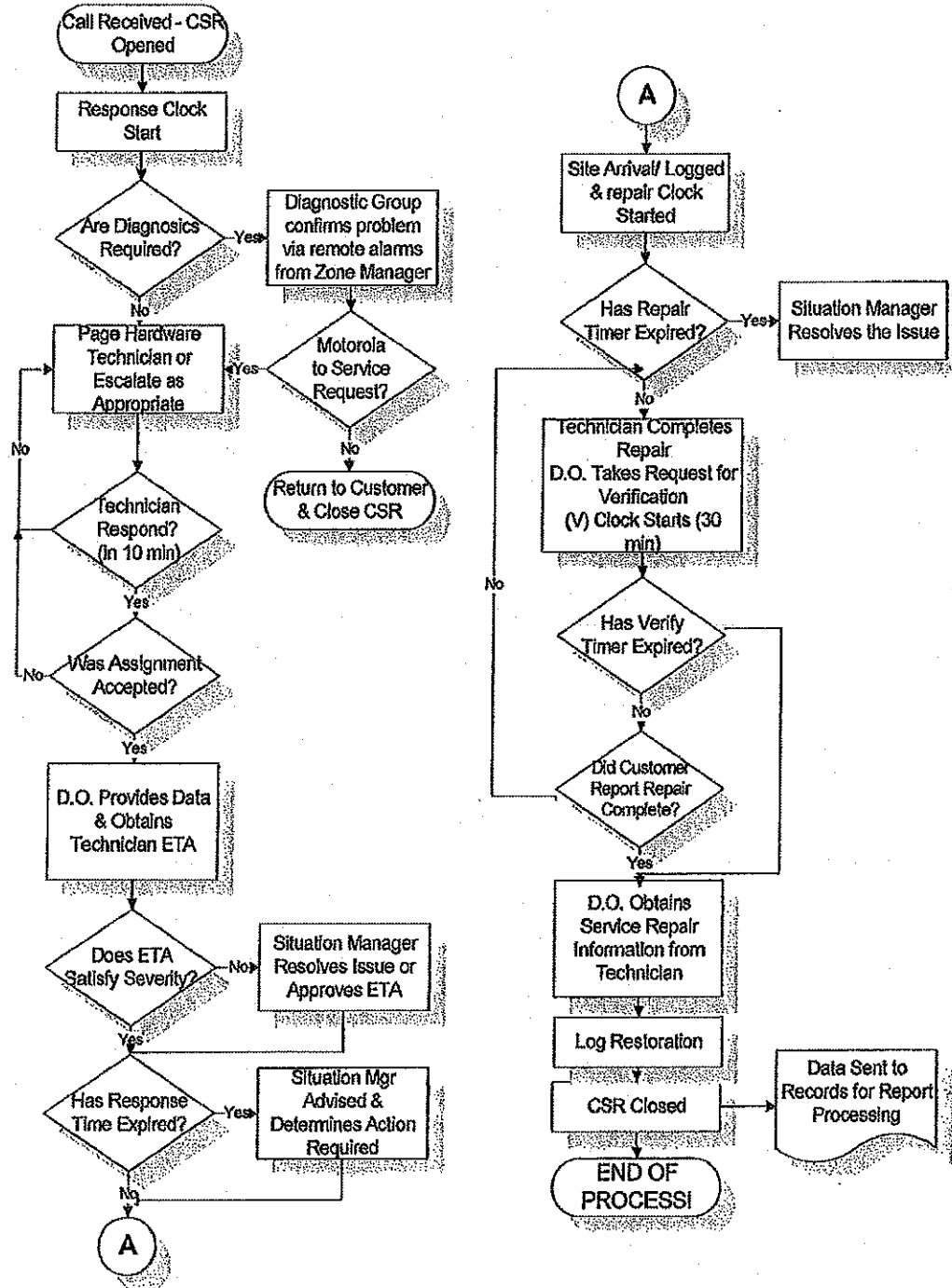
In order to insure coordination of efforts and focus, Dispatch Operations shall be the input or entry point for all customer originated actions and all Motorola "internal" originated actions which would include retrofit programs, and software or coverage investigations. Motorola's Dispatch Operations at 1-800-323-9949 shall be the central point of contact for all communications and information transmittal from any field entity, Motorola Field Technician or management and subcontractors, to the customer. Each customer shall have unrestricted access to all HMS service request data for each system using HMS, with special emphasis on CSR that could impact that customer.

1.2. Service Request Processing for Non-Movable Equipment

All Motorola Hosted Master Site requests for service of Non-Movable equipment will be routed to Dispatch Operations at 1-800-323-9949. Upon receipt of a request for service by a Dispatch Operations operator, a Customer Service Request (CSR) will be initiated on Dispatch Operations' computer tracking system with appropriate customer identification, time and date stamp and a sequence number. Dispatch Operations will then page the designated on-call pager and dispatch the appropriate Field Technician. The Field Technician will report site arrival to Dispatch Operations. Dispatch Operations will escalate to a higher level field service manager when predetermined goals or time frames have not been achieved to insure response times or restore times are met. Once repairs are considered complete, the system field technician will call Dispatch Operations to request customer verification. Once verification is complete or time has expired, the system field technician will close out the CSR with the appropriate close-out

comments and data including a complete description of the repair, miles traveled and travel time round trip.

1.2.1. TYPICAL FLOW OF A CSR THROUGH THE SSC



1.2.2. CSR SEQUENCE OF EVENTS UPON INITIATION OF A SERVICE CALL

**CUSTOMER
BEGINS
PROCESS:**

Customer calls 1-(800-323-9949) and reports a problem to Motorola Dispatch Operations.

CALL RECEIVED:

Customer gives **System ID** for their location.

Dispatch Operations will record the caller's name and call back phone number and name of the User/ Customer

Customer will give a description of the problem.

**DISPATCH
OPERATIONS:**

Will Give Customer the CSR Number.

PAGE/ASSIGN:

Dispatch Operations will page the designated on-call pager for the system ID.

Dispatch Operations will dispatch the Field Technician.
Dispatch Operations will ask for the estimated time of arrival.
(Estimated time of arrival must be under two hours from the time the call is received.)

NOTE:

If the estimated time of arrival is over two hours, it will be escalated to the System Support Center Situation Manager.

SITE ARRIVAL:

Field Technician will report site arrival to Dispatch Operations.

Dispatch Operations will record site arrival.

Dispatch Operations will report site arrival to the customer.

VERIFICATION:

Once repairs are considered complete, the System Field technician will call Dispatch Operations to request customer verification.

Dispatch Operations will call the customer that created the CSR, or their on-duty replacements and request verification that the repairs are complete.

CLOSE OUT:

Once verification is complete, Dispatch Operations will ask The Field technician for close out data of the repair including a complete description of repair, miles traveled and travel time round trip.

2. Escalation Procedure:

"Escalation's" are the steps taken to expedite a repair by meeting certain goals within specified time frames. These time frames and goals are outlined in Section 7.

Case Escalation Table

Milestone	Action
Case creation	Initiation of case.
10 minutes	SSC has 10 minutes to dispatch new case to Tech Support or Field.
30 minutes	If case not Assigned, Case is escalated to Motorola Field Service Organization ("FSO") System Manager
40 minutes	If System Manager does not respond, Case is escalated to FSO Manager.
50 minutes	FSO Manager does not respond, Case is escalated to Customer Service Manager (CSM)
60 minutes	CSM does not respond, Case is escalated to Regional Service Manager (RSM)
70 minutes	RSM does not respond, Case is escalated to Territory Service Manager (TSM)
80 minutes	TSM does not respond, Case is escalated to Service VP.

***Note: When the CSM is contacted for case escalation, the Case Management System (Clarify) will send an automated message to the Escalation Management Team contacts from the above table. This escalation will happen for every milestone in the case. ***

3. Network & Security Monitoring:

3.1. Description of Services

Network & Security Monitoring is a service that provides Network Monitoring, Security Monitoring, Security Update Service (SUS), Dispatch Service and On-Site Infrastructure Response services to the South Florida Hosted Master Site. This service is applicable only for the following system types: ASTRO 25 current shipping System Release and three prior System Releases.

Coverage only extends to the newly installed ASTRO 25 South Florida Hosted Master Site plus any accompanying SmartX Site Converter(s). Network & Security Monitoring will not be applicable to any existing remote sites that are linked to the newly installed ASTRO 25 Master Site through the SmartX Site Converter.

Network & Security Monitoring includes the monitoring of the South Florida Hosted Master Site system infrastructure as well as monitoring Motorola security equipment. Monitoring security equipment requires a Core Security Management Server. Motorola will monitor Elements of a System for Events, as set forth in the Monitored Elements Table in Appendix 1.

When the Motorola System Support Center (SSC) detects an Event, trained technologists will acknowledge the Event, run remote diagnostic routines, and initiate an appropriate Response. Appropriate responses could include, but are not limited to, continuing to monitor the Event for further development, attempting remote Restoral, or transferring the Event by opening a Case for dispatch of Motorola FSO. If dispatched, Motorola FSO will respond to the South Florida Hosted Master Site location based on pre-defined Severity Levels and Response times in order to restore the System (See the Severity Definitions Table and the Response Time section7)

Motorola will provide Case Management as set forth herein. The SSC maintains contact with on-site Motorola FSO until System Restoral occurs and Case is closed. The SSC will continuously track and manage Cases from open to close through an automated Case tracking process. This Case management allows Motorola to provide activity and performance reports as well as ensures timely resolution of issues.

Security Update Service (SUS) provides the latest anti-virus definitions, intrusion detection sensor (IDS) signature updates (only for IDS supplied to Customer by Motorola), and Microsoft operating system security patches that have been pre-tested on a Motorola test system to verify compatibility with the ASTRO 25 System. Customer is notified when pre-tested updates are available electronically.

Core Security Management Server: Motorola will proactively manage the security Elements present on the System as needed to mitigate the risk of vulnerability such as a virus, worm or other intrusive attack on the System. This may include periodically deploying the latest release of pre-tested anti-virus definitions to the anti-virus management server and updating the intrusion detection sensor signature files. Motorola will also modify intrusion sensor settings and update firewall settings.

3.1.1. Motorola responsibilities:

- 3.1.1.1. Provide dedicated Connectivity through a private network connection necessary for monitoring the South Florida Hosted Master Site.
- 3.1.1.2. Provide Motorola owned server for monitoring ASTRO 25 security elements.
- 3.1.1.3. Verify Connectivity and Event monitoring prior to System Acceptance or Start Date.
- 3.1.1.4. Coordinate with Motorola FSO to maintain service authentication credentials.
- 3.1.1.5. Continuously receive service requests.
- 3.1.1.6. Perform Continuous monitoring of System Elements as set forth in the Monitored Elements Table in Appendix 1.
- 3.1.1.7. Interpret System Events and determine appropriate Response. An appropriate Response could include the following actions: notify Motorola FSO of activity, continue monitoring the Event for further development, review System log files or transfer the Event information to a Case notification system.
- 3.1.1.8. Remotely access the South Florida Hosted Master site to perform remote diagnostics.
- 3.1.1.9. Attempt remote Restoral, as appropriate. Some System functions may be disrupted as necessary to maintain System integrity until further validation of the Event occurs. This may include shutting down applications, applying security tools, resetting box, or instructing Motorola FSO to reload applications and operating system software as necessary. No remote restoral events shall take

place that could impact end user functionality without prior notification and approval from the affected System's manager.

- 3.1.1.10. Create a Case as necessary when service requests are received. Gather information to perform the following:
 - 3.1.1.10.1. Characterize the issue
 - 3.1.1.10.2. Determine a plan of action
 - 3.1.1.10.3. Assign and track the Case to resolution.
- 3.1.1.11. Dispatch Motorola FSO, as required, by Motorola standard procedures and provide necessary Case information collected
- 3.1.1.12. Ensure the required personnel have access to information as needed.
- 3.1.1.13. Disable and enable System devices, as necessary.
- 3.1.1.14. Motorola FSO will perform the following on-site:
 - 3.1.1.14.1. Run diagnostics on the Infrastructure or FRU.
 - 3.1.1.14.2. Replace defective Infrastructure or FRU, as applicable. Motorola will provide Infrastructure or FRU for South Florida Hosted Master site.
 - 3.1.1.14.3. Provide materials, tools, documentation, physical planning, manuals, diagnostic/test equipment and any Security requirements necessary to perform the Maintenance service.
 - 3.1.1.14.4. If a third party Vendor is needed to restore the System, Motorola FSO will accompany that Vendor onto the South Florida Hosted Master Site premises.
- 3.1.1.15. Verify that Restoration is complete or System is functional.
- 3.1.1.16. Escalate the Case to the appropriate party upon expiration of a Response time.
- 3.1.1.17. Close the Case upon receiving notification, indicating the Case is resolved.
- 3.1.1.18. Obtain anti-virus definitions for the Microsoft Windows platform, intrusion detection sensor (IDS) signatures for Motorola supplied IDS and Microsoft operating system security patches, as available, from Motorola selected commercial suppliers.
- 3.1.1.19. Evaluate anti-virus definitions classified as Category 4 (Severe, difficult to contain) and Category 5 (Very Severe, very difficult to contain) by Motorola selected commercial supplier to determine if a high-priority release is required. Motorola in its discretion will determine the urgency of the update based on the impact to the System.
- 3.1.1.20. Test anti-virus definitions, intrusion detection sensor signatures for Motorola supplied IDS, and Microsoft operating system security patches by deploying them on a dedicated test System with the standard supported configurations, which include Motorola's then current approved cohabitated applications for current System Release and three previous System Releases.
- 3.1.1.21. Confirm that tested anti-virus definitions, intrusion detection sensor signatures for Motorola supplied IDS, and operating system software patches do not degrade or compromise System functionality on dedicated test System within the standard supported configurations.
- 3.1.1.22. Address issues identified during testing to support functionality by working with Motorola selected commercial supplier or Motorola product development engineering team.
- 3.1.1.23. Motorola will deploy pre-tested updates to anti-virus management server and intrusion detection sensor for Motorola supplied IDS, if present on the System and System includes a Core Security Management Server, on a weekly basis or as determined necessary by Motorola. High-priority anti-virus definition releases will be made available within 24 hours of commercial supplier release or at Motorola's discretion.
- 3.1.1.24. Notify Motorola FSO when anti-virus definition updates and intrusion detection sensor signatures are available or have been deployed on the South Florida Hosted Master Site.

- 3.1.1.25. Release and notify Motorola FSO when Microsoft operating system security patches are certified and available with instructions for obtaining patches
 - 3.1.1.26. Microsoft operating system security patches will be released monthly
 - 3.1.1.26. Maintain annual licenses for anti-virus definitions and intrusion detection sensor signatures for IDS supplied to Motorola FSO, by Motorola, with Motorola selected commercial supplier.
- Provide the following reports, as applicable:
- 3.1.1.27. Case activity reports to Motorola FSO.
 - 3.1.1.28. Network Security Monitoring Service reports for South Florida Hosted Master site.
 - 3.1.1.29. Network Activity/Availability Reports.

3.1.2. Motorola FSO responsibilities:

- 3.1.2.1. Allow Motorola continuous remote access to obtain System availability and performance data.
- 3.1.2.2. Allow Motorola to access System if firewall has been installed: provide permanent/dedicated access for SNMP traps (outbound) and ZDS polling (inbound).
- 3.1.2.3. Deploy pre-tested operating system software patches on the South Florida Hosted Master Site.
- 3.1.2.4. Provide Motorola with pre-defined Motorola FSO information and preferences prior to Start Date necessary to complete the Support Plan.
- 3.1.2.5. Provide 7/24 security contact and escalation list
- 3.1.2.6. Case notification preferences and procedures
- 3.1.2.7. Repair Verification preference and procedure
- 3.1.2.8. Database and escalation procedure forms.
- 3.1.2.9. Submit changes in any information supplied in the Motorola FSO Support Plan to the Customer Support Manager and System Manager.
- 3.1.2.10. Provide the following information when initiating a service request:
- 3.1.2.11. Assigned System ID number
- 3.1.2.12. Problem description and site location
- 3.1.2.13. Other pertinent information for Motorola to open a Case.
- 3.1.2.14. Notify the SSC when Motorola FSO performs any activity that impacts the System. (Activity that impacts the System may include, installing software or hardware upgrades, performing upgrades to the network, or taking down part of the System to perform maintenance.)
- 3.1.2.15. As necessary, upgrade System to supported System Release with Motorola support.
- 3.1.2.16. Allow Motorola access to Equipment (including any Connectivity or monitoring equipment) if remote service is not possible.
- 3.1.2.17. Install Motorola supplied Infrastructure or FRU, as applicable, in order for Motorola to Restore the System.
- 3.1.2.18. Maintain and store in an easily accessible location System backups and any/all Software needed to restore the System.
- 3.1.2.19. Verify with the SSC that Restoration is complete or System is functional.
- 3.1.2.20. Comply with the terms of the applicable license agreements between Motorola and the Non-Motorola Software copyright owners.

3.1.3. Customer responsibilities:

- 3.1.3.1. Maintain a Software Maintenance Agreement (SMA), subject to negotiation and agreement of the parties, or a Software User Agreement II (SUAI), subject to negotiation and agreement of the parties, ensuring customer owned equipment Software Release is in accordance with the South Florida Hosted Master Site Software Release.
- 3.1.3.2. SMA or SUAI may include but not limited to: support for SmartX, Software for Dispatch Console such as Gold Elite or MCC7500, P25 Infrastructure that will be interfaced to the South Florida Hosted Master Site.

4.0 System Management / Performance Management Reports:

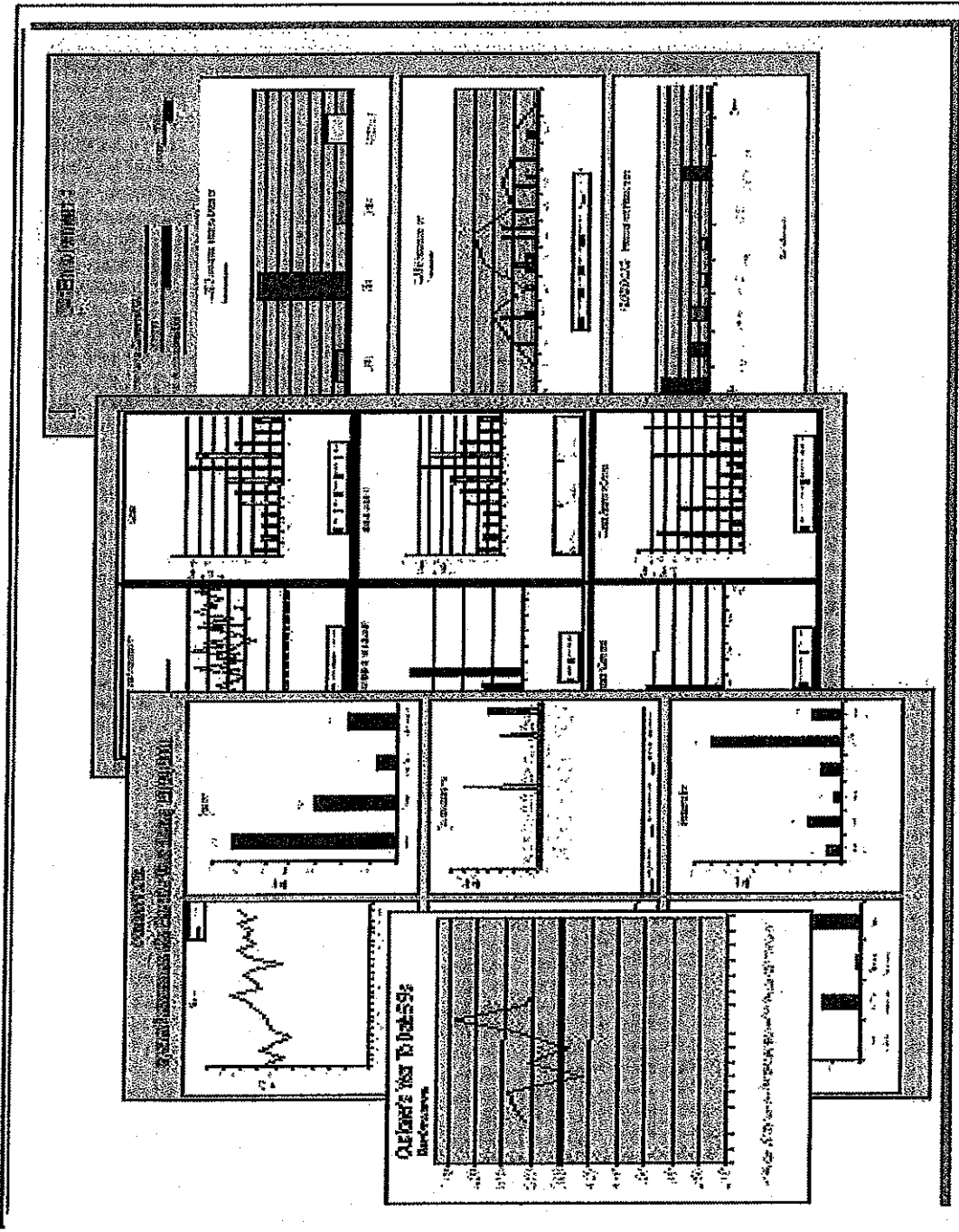
4.1 Description of Services

Performance Management Reports are a set of documents that report on the operational performance of the South Florida Hosted Master site. The reports transform raw System data into actionable information. Using the information provided by the reports, Motorola can guide network activities for effective capacity planning, trend analysis, and network performance optimization. Performance Management Reports enable Motorola to evaluate the critical system load parameters of the South Florida Hosted Master site to show where and when system bottlenecks occur and to allow for future system growth planning. Network Monitoring Service is required for the Performance Management Reports Service.

Coverage only extends to the newly installed South Florida Hosted Master site and up to any accompanying SmartX Site Converter(s), and any concurrently installed ASTRO 25 sites. Performance Management Reports will not be applicable to any existing remote sites that are linked to the newly installed South Florida Hosted Master Site through the SmartX Site Converter. Any and all reports generated shall be shared with the system managers of the attached systems.

4.2 Motorola responsibilities:

- 4.2.1 Collect and store performance data via Connectivity in place for Motorola's Network Monitoring Service. Completed Performance Management Reports will be stored on a Motorola web site for access. Lost performance data that occurs through System or Connectivity failures may occur. Motorola will generate reports with the data that is collected and note any lost data intervals on the reports.
- 4.2.2 Generate detailed performance reports.
- 4.2.3 Deliver one set of Performance Management Reports to participating Customer(s) during the warranty Period. These reports will be delivered upon a schedule mutually agreed upon by the Customer(s) and Motorola.
- 4.2.4 Provide Connectivity to enable Motorola to monitor the South Florida Hosted Master site. Failure to provide connectivity may prevent Motorola from rendering the Performance Management Reports service described in this section.
- 4.2.5 Allow Motorola Continuous access to retrieve performance data from the South Florida Hosted Master Site.
- 4.2.6 Charts and Metrics deliver a portfolio of charts that provide an overview of key Network performance parameters. These parameters may include device availability, link performance, channel utilization and busy rate which are tracked at the system, zone, site and channel level as seen in the below example.



The system availability metrics give an accurate and overall picture of system performance.

5. Local On-Site Infrastructure Support:

5.1. Description of Services

Motorola On-Site Infrastructure Response provides local, trained and qualified technicians who arrive at the South Florida Hosted Master Site to diagnose and restore your communications network. Following proven response and restore processes, Motorola Dispatch contacts the FSO and dispatches a qualified technician to the site. An automated escalation and case management process ensures that technician site arrival and system restoration comply with contracted response times. The field technician restores the system by performing first level troubleshooting on site. If the technician is unable to resolve the issue, the case is escalated to the System Support Center or product engineering teams as needed.

On-Site Infrastructure Support provides for the Field Service Organization (FSO) On-site technicians to serve as the primary point of contact. The responsibility of the On-Site FSO Support team will be defined as the first call of support through the Call Center Operations to triage and restore the SmartZone Radio Communication Systems.

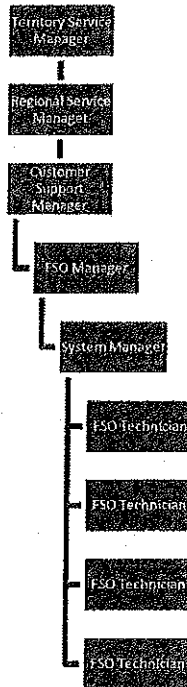
5.2. Motorola has the following responsibilities:

- 5.2.1. Respond to requests for the restoration of failed systems and diagnosis of operation problems in accordance with the severity level and response times as outlined in section 7.
- 5.2.2. Perform regularly scheduled maintenance checks and routines in accordance with applicable Motorola service documentation.
- 5.2.3. Perform diagnostics on the Component/Field Replaceable Unit (FRU) /assembly
- 5.2.4. Restore the System by replacing defective Component/FRU/assembly:
- 5.2.5. FRU and assembly will be provided by Motorola.
- 5.2.6. Provide materials, tools, documentation, diagnostic and test equipment necessary to perform the Maintenance service.
- 5.2.7. Repairs may be made either through a site visit or access through the use of a remote maintenance terminal by a trained technician.
- 5.2.8. Motorola FSO shall be available twenty-four (24) hours per day, seven (7) days per week, and 365 days per year.
- 5.2.9. Motorola FSO shall be responsible for repair, and return of equipment.
- 5.2.10. Inform Users of progress for repairs and returns of equipment.
- 5.2.11. Wherever possible, equipment will be replaced using Motorola FRU's in order to restore the system most quickly to proper operation.
- 5.2.12. In the event that a malfunctioning board is one that does not have a spare, Motorola FSO will contact the SSC to arrange for on an as-available basis, an advanced replacement part.
- 5.2.13. Motorola FSO is responsible for all shipping, receiving and ensuring proper tracking.
- 5.2.14. Non-Motorola equipment may be shipped to the Original Equipment Manufacturer (OEM) for service. Motorola FSO makes no time commitment for such equipment but does agree to coordinate and monitor the process.
- 5.2.15. Motorola FSO will store at each site, in a secure locked area, owned spare parts and components to ensure prompt repair of the equipment.
- 5.2.16. Motorola FSO will notify Users if any equipment malfunction is determined to be the fault of any other company.
- 5.2.17. Motorola FSO shall clear all trouble reports with Users and staff person who reported the trouble. Repairs will not be considered complete until cleared.
- 5.2.18. Establish and maintain a service report database. A complete database of all service calls reported on the system can be viewed through "Motorola On Line" (MOL).

- 5.2.19. Maintain site logs recording site activities. The logs of all sites can be integrated into a site log report.
- 5.2.20. If Motorola discovers equipment that does not perform per the specifications or found inoperable, Motorola will replace and / or repair the equipment with Motorola owned spares.

5.3. Service Organization Chart

A list of individuals currently assigned to the above positions, and their phone numbers, will be maintained by Motorola with an updated copy provided to the User's within one week, each time there is a change.



6. Infrastructure Repair with Advanced Replacement:

6.1. Description of Services

Infrastructure Repair with Advanced Replacement is a repair service for Motorola and select third party Infrastructure as set forth in the applicable attached Exhibit(s), all of which are hereby incorporated into this Statement of Work (SOW) by this reference. Infrastructure may be repaired down to the Component level, as applicable, at the Motorola Infrastructure Depot Operations (IDO). At Motorola's discretion, select third party Infrastructure may be sent to the original equipment manufacturer or third party vendor for repair. If Infrastructure is no longer supported by the original equipment manufacturer or third party vendor, Motorola may replace Infrastructure with similar Infrastructure, when possible.

When available, Motorola will provide an Advanced Replacement unit(s) or FRU(s) in exchange for malfunctioning FRU(s). Non-standard configurations, Customer-modified Infrastructure and certain third party Infrastructure are excluded from Advanced Replacement service. Malfunctioning FRU (s) will be evaluated and repaired by IDO and returned to IDO FRU inventory upon completion of repair.

The terms and conditions of this SOW are an integral part of Motorola's Service Terms and Conditions or other applicable agreement to which it is attached and made a part thereof by this reference.

6.2. Motorola has the following responsibilities:

- 6.2.1. Use commercially reasonable efforts to maintain an inventory of FRU.
- 6.2.2. Provide new or reconditioned units as FRU to Customer or Servicer, upon request and subject to availability. The FRU will be of similar kit and version, and will contain like boards and chips, as the Customer's malfunctioning Infrastructure.
- 6.2.3. Program FRU to original operating parameters based on templates.
- 6.2.4. Properly package and ship Advanced Replacement FRU from IDO or select third party FRU inventory.
- 6.2.5. During normal operating hours of Monday through Friday 7:00am to 7:00pm CST, excluding holidays, FRU will be sent next day air via Federal Express Priority Overnight or UPS Red, unless otherwise requested. Select third party FRU may ship second day air via Federal Express Priority Overnight or UPS red as noted in the attached exhibit(s). Motorola will pay for such shipping.
- 6.2.6. When sending the Advanced Replacement FRU, provide a return air bill in order to return the malfunctioning FRU. The malfunctioning FRU will become property of IDO or select third party.
- 6.2.7. Provide repair return authorization number upon request for Infrastructure that is not classified as an Advanced Replacement or Loaner FRU.
- 6.2.8. Receive malfunctioning Infrastructure and document its arrival, repair and return.
- 6.2.9. Perform the following service on Motorola Infrastructure:
 - 6.2.9.1. Perform an operational check on the Infrastructure to determine the nature of the problem.
 - 6.2.9.2. Replace malfunctioning FRU or Components.
 - 6.2.9.3. Verify that Motorola Infrastructure is returned to Motorola manufactured specifications, as applicable
 - 6.2.9.4. Perform a Box Unit Test on all serviced Infrastructure.
 - 6.2.9.5. Perform a System Test on select Infrastructure.
 - 6.2.9.6. Provide the following service on select third party Infrastructure:
 - 6.2.9.7. Perform pre-diagnostic and repair services to confirm Infrastructure malfunction and eliminate sending Infrastructure with no trouble found (NTF) to third party vendor for repair, when applicable.
 - 6.2.9.8. Ship malfunctioning Infrastructure to the original equipment manufacturer or third party vendor for repair service, when applicable.
 - 6.2.9.9. Track Infrastructure sent to the original equipment manufacturer or third party vendor for service.
 - 6.2.9.10. Perform a post-test after repair by Motorola, original equipment manufacturer, or third party vendor to confirm malfunctioning Infrastructure has been repaired and functions properly in a Motorola System configuration, when applicable.
 - 6.2.9.11. Re-program repaired Infrastructure to original operating parameters based on templates.
 - 6.2.9.12. Ship repaired Infrastructure to the specified address during normal operating hours. FRU will be sent two-day air unless otherwise requested. Motorola will pay for such shipping

7. Table of Severity Codes and Response Times:

7.1. Severity Level Table

Severity Level	Problem Types
Severity 1	<ul style="list-style-type: none"> ▪ Response is provided continuously ▪ Major System failure ▪ 33% of System down ▪ 33% of Site channels down ▪ This level is meant to represent a major issue that results in an unusable system, sub-system, Product, or critical features from the Customer's perspective. No Work-around or immediate solution is available.
Severity 2	<ul style="list-style-type: none"> ▪ Response during Standard Business Day ▪ Significant System Impairment not to exceed 33% of system down ▪ System problems presently being monitored ▪ This level is meant to represent a moderate issue that limits a Customer's normal use of the system, sub-system, product, or major non-critical features from a Customer's perspective
Severity 3	<ul style="list-style-type: none"> ▪ Response during Standard Business Day ▪ Intermittent system issues ▪ Information questions ▪ Upgrades/Preventative maintenance ▪ This level is meant to represent a minor issue that does not preclude use of the system, sub-system, product, or critical features from a Customer's perspective. It may also represent a cosmetic issue, including documentation errors, general usage questions, recommendations for product enhancements or modifications, and scheduled events such as preventative maintenance or product/system upgrades.

7.2. Table B: Response Time

Severity Level	Response Time
Severity 1	Within 2 hours from receipt of Notification: Continuously
Severity 2	Within 4 hours from receipt of Notification: Standard Business Day
Severity 3	Within 24 hours from receipt of Notification: Standard Business Day

8. Preventive Maintenance Procedures and Schedule:

8.1. Preventive maintenance procedures will be documented by a MCM work ticket. The Field Service Technician will contact Motorola Dispatch Operations and open a CSR for each preventative maintenance routine. Below is a sample PM Schedule.

PM Schedule	Affect Customer	Duration/Min	Daily	Weekly	Monthly	Quarterly	Semi-Annually	Annually
Antenna Networks								
Check Tower Top Arms Gain	X	10				X		
Check Antenna VSWR/ TX Ants	X	10				X		X
Check Antenna VSWR/ Rx Ants								
DB Sentry TX Combiner/RX Multi-Coupler								
DB							X	
DB							X	
DB							X	
DB							X	
Mutual Aid MSF 5000 Conv.								
MA						X		
MA						X		
MA						X		
MA						X		
MA						X		
QUANTRO ASTRO Base								
						X		
						X		
						X		
						X		
Astro-Tao Comparator								
Spectra-Tao Comparator								
							X	
MBX Equipment								
							X	
							X	
Digital Interface Units					X			
DB Host Equipment								
DB			X					
Zone Management								
	X	90	X	X		X		X
Consoles/Diagnostics Printer								
CC2				X				
CC2					X			
CC2						X		
CC2						X		
CC2						X		
Simulcast Optimization								
	X	30	X					X
Main/Backup Controller								
CSC			X					
CSC				X				
CSC	X	0.5			X			X
CSC								X
Controller UPS								
					X			

Example

ATTACHMENT B – Example Site Inspection Checklists

Site Access:

1. Have there been any changes to Site Access since last site inspection? Yes No

If yes, please explain: _____

2. Did you encounter any problems accessing the site? Yes No

If yes, please explain: _____

3. Were there any trees, shrubs or other large obstructions preventing access to the site?
 Yes No

If yes, please explain: _____

Security:

	Yes	No	N/A
1. Were gates locked on the access road?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Does the access drive/compound lock operate smoothly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does gate swing/roll freely?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are fences and gates in acceptable condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Were gates locked around the building?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Was the building locked?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Was the door alarmed?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Are there any signs of intrusion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Building/Shelter Information

	Yes	No	N/A
1. Is the paint on the building in acceptable condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the building clean?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the garbage removed from the building?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are the floors clean?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Are there cracks in the flooring?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Do all inside lights work?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the fire extinguisher mounted off the floor & accessible near the entrance?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Has the Fire Extinguisher(s) been inspected? <i>Inspection Date:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Has the Fire Suppression System been inspected? <i>Inspection Date:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Is the fire/smoke alarm operating properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Is the First Aid Kit stocked?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Has the Eye Wash Kit been inspected? <i>Expiration Date:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Are there signs of pest infestations in the building/shelter?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Does the building show signs of water infiltration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Are any improperly stored chemicals or flammable materials stored inside building/shelter?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Are all Safety signs still posted inside/outside the building/shelter?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please ✓ all Areas (A-D) defined below where EME signs in questions 17-21 are posted?

- A.) At the entrance of property (Gate, fence, main entrance, etc.)
- B.) On the building or entrance to Equipment Room
- C.) On the Tower, Exit to Roof, or Antenna mounting structure
- D.) On Antenna Grid mounted on Roof

- 17. How many Blue NOTICE signs are on the site? Location: A B C D
- 18. How many Yellow CAUTION signs are on the site? Location: A B C D
- 19. How many Red WARNING signs are on the site? Location: A B C D
- 20. How many EME SITE GUIDELINES signs are on the site? Location: A B C D
- 21. How many Personal Protective Equipment (PPE) Notices? Location: A B C D

Electrical:

	Yes	No	N/A
1. Have there been any changes to the electrical components at the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Do the main and sub panels remain accessible (requires min. 36" clearance)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Does the electrical meter remain accessible?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are there any knock-outs or missing breakers not protected on Main Panel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Are there any knock-outs or missing breakers not protected on Sub Panel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is each breaker labeled by an approved roster in the panel door?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is each outlet labeled with corresponding circuit & panel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the wiring from panel to site equipment in conduit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Are any extension cords used on site equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there evidence of frayed wiring or any other visible declining of wiring?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Site Exterior Information:

	Yes	No	N/A
1. Do all outside lights work?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the grass cut?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the site free of weeds?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are there shrubs prohibiting access to building/shelter?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Is the site free of trash, refuge and excess materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is there evidence of trash dumping on property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is there evidence of distressed vegetation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Are there signs of burning or burn barrels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is there evidence of vandalism at the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Are there signs of pest infestations at the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Are there signs of erosion on the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Are culverts free of excess debris?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Site Equipment Information

HVAC:

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Is Thermostat operating properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is there evidence of Freon leakage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is there evidence of acid spillage from coil maintenance or cleaning?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are there any loose or damaged access panels?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Is Lead Lag control operating properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Are all filters clean?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Condition of HVAC Equipment: _____

Generator:

Current Run Hours: _____ Fuel Level %: _____

Battery Date Code: _____

Last Service Date: _____

Run Hours on Last Service Date: _____

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1. Live Run Test performed and operation is acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is Transfer Switch working?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is there evidence of a spill or leak in the generator room?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Is there a pan under the generator to catch old oil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Is any oil stored on site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is there evidence that oil has been dumped on site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is there evidence of any fuel spill at the tank?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Is there any liquid in the containment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is there rust or signs of corrosion on the fuel tank?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Condition of Generator: _____

UPS/Switch Mode Rectifier/Battery Systems

Yes No N/A

- 1. Is Bypass Switch in Normal Mode?
- 2. Is there evidence of battery post seal leakage and corrosion?
- 3. Is there evidence of cover to jar seal leaks?.....
- 4. Is there excessive bulging of jars?.....
- 5. Is there evidence of battery spillage?
- 6. Are batteries protected (covered) for obstruction from outside objects?.....
- 7. Is there any containment for battery spillage or leaking?
- 8. Are batteries properly vented?.....
- 9. Is "No Smoking" sign posted?.....
- 10. Is battery acid level OK?
- 11. Battery Date Code? _____

Dehydrator:

Run Hours: _____

Color of Desiccant: _____

Please indicate Pressure Readings (psig) for each pressurized Line below:

Main Line (psig): _____

Line 1 (psig): _____

Line 2 (psig): _____

Line 3 (psig): _____

Line 4 (psig): _____

Tower Structure Information:

How many antennas are mounted to the tower? _____

Have any new antennas been mounted to the tower since last Quarterly Audit? Yes No

If yes, describe: _____

	Yes	No	N/A
1. Is the FCC Registration Number posted at the base of antenna structure?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is navigational safety painting in acceptable condition (if applicable)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Is the tower paint cracking, chipping or rusting?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Does the Beacon light appear to be working properly?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Does the Strobe light appear to be working properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the tower climbing ladder in place?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Is the elevator on the tower working (if applicable)?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Do the guy wires have broken strands, rust or corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the security fencing around wire anchors in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Are guy wire markers visible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Were any loose bolts observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Were any damaged braces or members observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Were signs of unusual stress or vibration observed?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Are climbing facilities, platforms and walkways secure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Were cracks observed in the foundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Are any transmit antennas mounted below the first 10 meters on tower?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. If yes, please identify what type(s) of antennas: _____			
18. Are any antennas within height of workers?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. If yes, please explain: _____			
20. Is there any new building equipment near antennas?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Grounding

	Yes	No	N/A
1. Is there any evidence of breaks or damage on ground conductors?.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Measure at least 3 Ground Points with Clamp-On Ohm Reader and record readings:			
Ground Point #1 Location: _____			_____ Ohm
Ground Point #2: Location: _____			_____ Ohm
Ground Point #3: Location: _____			_____ Ohm

9. Software Support / Software Maintenance:

9.1.1. Description of Service

Motorola will provide Software Subscription services in accordance with this Statement of Work. Motorola will provide minimum annual releases to be reviewed by the FSO. These software bulletins announce and explain System Release for Motorola and Non-Motorola Software that are available to Motorola FSO for use with their upgrade-capable Motorola Equipment covered by these services. Motorola will provide applicable System Releases as ordered by FSO.

Software Subscription consists of design services for System Release and review System audit data. Motorola will review System audit data along with an Equipment list to avoid potential Software incompatibilities between Equipment that is being upgraded versus Equipment which is not upgraded with the System Release. Motorola will identify additional Equipment and engineering, (if applicable) for the System that is required as a result of the upgrade and will put together a plan for installation of this additional Equipment.

9.2. Motorola responsibilities:

9.2.1. Provide to Customer the software bulletins announcing System Release.

9.2.2. Provide to Customer those Features included in an System Release that apply to the Motorola Software in Users existing System components.

9.2.3. Perform the following Software upgrade design:

9.2.3.1. Review Infrastructure System audit data as needed.

9.2.3.2. Identify additional System equipment needed to implement a System Release, if applicable.

9.2.3.3. Complete a proposal defining the System Release, Equipment requirements, installation plan, and impact to System users.

9.2.3.4. Advise Users of probable impact to System users during the actual field upgrade implementation.

9.3. Customer responsibilities:

9.3.1.1. Maintain a Software Maintenance Agreement (SMA), subject to negotiation and agreement of the parties, or a Software User Agreement II (SUAII), subject to negotiation and agreement of the parties, ensuring customer owned equipment Software Release is in accordance with the South Florida Hosted Master Site Software Release.

9.3.1.2. (SMA or SUA 2) may include but not limited to: support for SmartX, Software for Dispatch Console such as Gold Elite or MCC 7500, P25 infrastructure that will be interfaced to the South Florida Hosted Master Site.

10. Technical Support:

10.1. Description of Services

Technical Support service provides centralized remote telephone support for technical issues that require a high level of communications systems expertise or troubleshooting on Equipment. The SSC's Technical Support Operation is staffed with technologists who specialize in the diagnosis and resolution of system performance issues. Technical Support Service (i) does not include software upgrades that may be required for issue resolution; (ii) does not include Customer training; and (iii) is only available for those system types that are supported and approved by Technical Support Operations.

Coverage only extends to the newly install ASTRO 25 Master Site plus any accompanying SmartX Site Converter(s), and any concurrently installed ASTRO 25 sites. Technical Support will not be applicable to any existing remote sites that are linked to the newly installed ASTRO 25 Master Site through the SmartX Site Converter.

10.2. Motorola responsibilities:

- 10.2.1. Respond to requests for Technical Support for the Restoration of failed Systems and diagnosis of operation problems in accordance with the response times set forth in the Remote Technical Support Response Times table and the Severity Level defined in the Severity Definitions Table in Appendix 1.
- 10.2.2. Advise caller of procedure for determining any additional requirements for issue characterization and Restoration, including providing a known fix for issue resolution when available.
- 10.2.3. Attempt remote access to the System for remote diagnostics, when possible.
- 10.2.4. Maintain communication with the Servicer or Customer in the field until close of the Case, as needed.
- 10.2.5. Coordinate technical resolutions with Vendor(s), as needed.
- 10.2.6. Escalate and manage support issues, including Systemic issues, to Motorola engineering and product groups, as applicable.
- 10.2.7. Escalate the Case to the appropriate party upon expiration of a Response time.
- 10.2.8. Provide Configuration Change Support and Work Flow changes to a System that has remote access capability.
- 10.2.9. Determine, in its sole discretion, when a Case requires more than the Technical Support services described in this SOW and notify Customer of an alternative course of action.

10.3. Customer responsibilities:

- 10.3.1. Contact the SSC in order to access the Technical Support Operation, provide name of caller, name of Customer, System ID number, Service Agreement number, site(s) in questions, and brief description of the problem.
- 10.3.2. Supply on-site presence when requested by SSC.
- 10.3.3. Validate issue resolution prior to close of the Case.
- 10.3.4. Allow Motorola remote access to the System by equipping the System with the necessary Connectivity.
- 10.3.5. Acknowledge that Cases will be handled in accordance with the times and priorities as defined in Remote Technical Support Response Times Table and the Severity Level defined in the Severity Definitions Table

Appendix 1

Private Network Connection IP VPN	Public Internet Connection IP VPN
<p>Standard solution for real time Connectivity Dedicated bandwidth configuration provided to monitor Customers Protected from unauthorized Intrusion Encryption available Connectivity available through Motorola</p>	<p>Non Standard solution for Connectivity No dedicated bandwidth provided to monitor Customers Low risk of unauthorized Intrusion Encryption is required Customer provides Connectivity to the internet via an internet service provider selected by Customer.</p>

Monitored Elements Table System Type	Equipment
ASTRO 25	<p>Packet Routing Network; Zone Controllers; Database Server; FullVision Server; Zone Statistical Server; Air Traffic Router; System Statistics Server; User Configuration Server; Packet Data Gateway Server; PBX; Interconnect Server; Motorola Gold Elite Gateway (MGEG); AEB; CEB; Conventional Channel Gateway (CCGW); Simulcast RF Site (Site Controllers, Comparators, Stations); Intelli Repeater RF Site (Stations); Intelli Site Repeater RF Site (Site Controllers, Stations);</p> <p>Core, Exit, Gateway, Peripheral, Border, and Site routers, HP Switches master, prime, console and repeater sites switches, GGSN; CWR</p> <p>DOES NOT INCLUDE MONITORING OF ANY MOSCAD ALARM POINTS THAT DO NOT DIRECTLY IMPACT THE PERFORMANCE OF THE MASTER SITE RADIO NETWORK. DOES NOT INCLUDE MONITORING OF ANYTHING OUTSIDE OF THE MASTER SITE RADIO NETWORK UNLESS SPECIFICALLY STATED</p> <p>SmartX Site Converter</p>
<p>SECURITY ELEMENTS (Monitoring and managing Security Elements is dependent on Customer purchasing Core Security Management Server as Equipment with the Customer System)</p>	<p>Core Security Management Server, Intrusion Detection Sensor, Firewall, Anti-virus Application, Servicer Authentication, Centralized Logging Server</p>

PROPOSAL TO
CITY OF FORT LAUDERDALE, FLORIDA

SECTION 7

PRICING SUMMARY

PROJECT 25 SYSTEM UPGRADE

13 MAY 2015

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Section 7

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Pricing 7-1
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PRICING SUMMARY

PRICING

FORT LAUDERDALE PRICING	
3 SITE SYSTEM PRICING	
P25 LIFECYCLE UPGRADE:	
3 SITE FDMA P25, 12 CHANNEL SYSTEM WITH 403 FLASH UPGRADES, PROGRAMING AND OPTIMIZATION OF 68 GOLD ELITE CONSOLES AND 403 RADIOS, 4 YRS P25 MAINTENANCE, 4 YEARS OF HMS, 4 YEARS OF EXISTING MAINTENCE (MICROWAVE, MERS, SUBSCRIBERS, FIRE STATION ALERTING) BEGINNING YEAR 2 AFTER SYSTEM CUTOVER:	\$4,981,614.00
PERFORMANCE BOND (PAID SEPERATELY FROM LEASE PURCHASE):	\$17,312.00
SYSTEM TOTAL:	\$4,998,926.00
DISCOUNTS:	
HOSTED MASTER SITE DISCOUNT:	(\$300,000.00)
P25 LIFECYCLE UPGRADE DISCOUNT:	(\$150,000.00)
4 YEAR CONTRACT DISCOUNT (NO PO WILL BE ISSUED, CONTRACT IS GOOD FOR 5 YEARS AND MSI WILL INVOICE ANNUALLY):	(\$250,000.00)
SIGNED CONTRACT BY JUNE 26TH 2015 DISCOUNT:	(\$279,479.00)
TOTAL:	\$4,019,447.00

LEASE PURCHASE AND CONTRACT TERM PRICING

FORT LAUDERDALE LEASE PURCHASE AND CONTRACT TERM PRICING					
FORT LAUDERDALE 5 YEAR 3 SITE LEASE PURCHASE YEARLY PRICING SUMMARY (REMOVED SMA/SUA & SMART ZONE MAINT.)					
PERFORMANCE BOND: \$17,312.00					
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
LEASE PAYMENT:	\$495,365.78	\$495,365.78	\$495,365.78	\$495,365.78	\$495,365.78
<i>Principal</i>	<i>\$440,188.09</i>	<i>\$450,708.58</i>	<i>\$461,480.52</i>	<i>\$472,509.90</i>	<i>\$483,802.91</i>
<i>Interest</i>	<i>\$55,177.69</i>	<i>\$44,657.20</i>	<i>\$33,885.26</i>	<i>\$22,855.88</i>	<i>\$11,562.87</i>
HMS PORT FEE:	Contract good through Feb 2016	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
P25 MAINT:	Warranty	\$82,464.94	\$84,894.97	\$87,397.91	\$89,974.97
Microwave System	2016-17 Contract	\$42,647.88	\$43,927.32	\$45,245.14	\$46,602.49
MERS Trailer PM Check	2016-17 Contract	\$2,545.57	\$2,621.94	\$2,700.60	\$2,781.62
Subscriber Depot	2016-17 Contract	\$116,172.23	\$119,657.39	\$123,247.12	\$126,944.53
Fire House Alerting System	2016-17 Contract	\$17,596.82	\$18,124.72	\$18,668.46	\$19,228.52
TOTAL:	\$495,365.78	\$906,793.22	\$914,592.12	\$922,625.01	\$930,897.91
<p>*(SmartZone, Microwave, MERs, Subscriber & FHAS contract currently runs from October 1 - September 30; Hosted Master Site Contract runs from March - Feb. - any renewals will be applicable to continue coverage until year two occurs)* (2015-16 COSTS IN ORDER Hosted Master Site \$150,000.00), MICROWAVE \$41,405.71, MERs \$2,471.43, SUBS \$112,788.57, FHAS \$17,084.29, and SMARTZONE \$271,427.11; these contract renewals are currently being negotiated by Fort Lauderdale and Motorola outside the scope of this Proposal)(Contract #s S00001002125(will exclude SmartZone and include P25) &S00001021096)</p>					
YEAR 1	WARRANTY BEGINS FOR P25 AFTER SYSTEM CUTOVER				
YEAR 2	POST WARRANTY BEGINS AFTER P25 YEAR 1 WARRANTY ENDS				
<p>Motorola and Fort Lauderdale will sync up the Hosted Master Site, P25 Maintenance, Microwave, MERs, Subscriber Depot and Fire House Alerting Post Maintenance and Connection fees at the end of the P25 Warranty Period. Combining Contracts S00001002125 & S00001021096</p>					

SUBSCRIBER DEPOT MONTHLY COST PER RADIO TYPE	
MODEL	MONTHLY COST EACH
RACK CHARGERS (WPLN4121BR & WPLN4108BR)	\$3.60
MULTI-UNIT CONDITIONER WPPN4065BR	\$3.60
XTS5000	\$3.67
XTS2500	\$4.20
XTS1500	\$3.57
MT1500	\$4.20
XTL5000 CONSOLETTTE	\$6.20
XTL5000	\$6.20
XTL5000 DUAL HEAD	\$6.20
XTL2500	\$6.20
XTL1500	\$6.20
CDM1250	\$3.60
(COST MAY ADJUST YEARLY)	

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
78	Impress Rack Charger W/PLN4121BR	Yes	Under contract 100%
5	Impress Rack Charger W/PLN4109BR	Yes	Purchased March 2009
5	Impress Rack Charger W/PLN4109BR	Yes	Purchased March 2009
88			

5	Multi Unit Conditioner W/PPN4065BR	Yes	Purchased March 2009
5			

1	XTS5000	Yes	Z21CGH4263
1	XTS5000	Yes	Z21ACL1554
1	XTS5000	Yes	Z21ACL1555
1	XTS5000	Yes	Z21ACL1556
1	XTS5000	Yes	Z21ACL1557
1	XTS5000	Yes	Z21ACL1558
1	XTS5000	Yes	Z21ACL1559
1	XTS5000	Yes	Z21ACL1560
1	XTS5000	Yes	Z21ACL1561
1	XTS5000	Yes	Z21ACL1562
1	XTS5000	Yes	Z21ACL1563
1	XTS5000	Yes	Z21ACL1564
1	XTS5000	Yes	Z21ACL1565
1	XTS5000	Yes	Z21ACL1566
1	XTS5000	Yes	Z21ACL1567
1	XTS5000	Yes	Z21ACL1569
1	XTS5000	Yes	Z21CDJ1194
1	XTS5000	Yes	Z21CDJ1195
1	XTS5000	Yes	Z21CDJ1196
1	XTS5000	Yes	Z21CDJ1197
1	XTS5000	Yes	Z21CDJ1198
1	XTS5000	Yes	Z21CDJ1199
1	XTS5000	Yes	Z21CDJ1200
1	XTS5000	Yes	Z21CDJ1201
1	XTS5000	Yes	Z21CDJ1202
1	XTS5000	Yes	Z21CDJ1203
1	XTS5000	Yes	Z21CDJ1204

ATTACHEMENT Z SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CDD1205
1	XTS5000	Yes	Z21CDD1206
1	XTS5000	Yes	Z21CDD1207
1	XTS5000	Yes	Z21CDD1208
1	XTS5000	Yes	Z21CDS2903
1	XTS5000	Yes	Z21CEN0125
1	XTS5000	Yes	Z21CES0832
1	XTS5000	Yes	Z21CES0833
1	XTS5000	Yes	Z21CES0834
1	XTS5000	Yes	Z21CES0835
1	XTS5000	Yes	Z21CES0837
1	XTS5000	Yes	Z21CES0839
1	XTS5000	Yes	Z21CES0840
1	XTS5000	Yes	Z21CES0841
1	XTS5000	Yes	Z21CES0842
1	XTS5000	Yes	Z21CES0843
1	XTS5000	Yes	Z21CFT0617
1	XTS5000	Yes	Z21CFT0652
1	XTS5000	Yes	Z21CFT0681
1	XTS5000	Yes	Z21CFT0686
1	XTS5000	Yes	Z21CFT0687
1	XTS5000	Yes	Z21CFT0688
1	XTS5000	Yes	Z21CFT0689
1	XTS5000	Yes	Z21CFT0710
1	XTS5000	Yes	Z21CFT0749
1	XTS5000	Yes	Z21CFT0772
1	XTS5000	Yes	Z21CFT0796
1	XTS5000	Yes	Z21CFT0929
1	XTS5000	Yes	Z21CFT0986
1	XTS5000	Yes	Z21CFT1010
1	XTS5000	Yes	Z21CFV4769
1	XTS5000	Yes	Z21CFV4770
1	XTS5000	Yes	Z21CFV4771
1	XTS5000	Yes	Z21CFV4772
1	XTS5000	Yes	Z21CFV4773
1	XTS5000	Yes	Z21CFX2450

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CGK2451
1	XTS5000	Yes	Z21CGK2452
1	XTS5000	Yes	Z21CGK2453
1	XTS5000	Yes	Z21CGK2454
1	XTS5000	Yes	Z21CGK2455
1	XTS5000	Yes	Z21CGK2456
1	XTS5000	Yes	Z21CGK2457
1	XTS5000	Yes	Z21CGK2458
1	XTS5000	Yes	Z21CGK2459
1	XTS5000	Yes	Z21CGK2460
1	XTS5000	Yes	Z21CGK2461
1	XTS5000	Yes	Z21CGK2462
1	XTS5000	Yes	Z21CGK2463
1	XTS5000	Yes	Z21CGK2464
1	XTS5000	Yes	Z21CGK2465
1	XTS5000	Yes	Z21CGK2466
1	XTS5000	Yes	Z21CGK2468
1	XTS5000	Yes	Z21CGK2469
1	XTS5000	Yes	Z21CGK2470
1	XTS5000	Yes	Z21CGK2471
1	XTS5000	Yes	Z21CGK2472
1	XTS5000	Yes	Z21CGK2473
1	XTS5000	Yes	Z21CGK2558
1	XTS5000	Yes	Z21CGK2559
1	XTS5000	Yes	Z21CGK2560
1	XTS5000	Yes	Z21CGK2561
1	XTS5000	Yes	Z21CGK2562
1	XTS5000	Yes	Z21CGK2563
1	XTS5000	Yes	Z21CGK2584
1	XTS5000	Yes	Z21CGK2585
1	XTS5000	Yes	Z21CGM3118
1	XTS5000	Yes	Z21CGM3119
1	XTS5000	Yes	Z21CGM3120
1	XTS5000	Yes	Z21CGM3121
1	XTS5000	Yes	Z21CGM3122
1	XTS5000	Yes	Z21CGM3124
1	XTS5000	Yes	Z21CGM3125
1	XTS5000	Yes	Z21CGM4483

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS5000	Yes	Z21CHB1159
1	XTS5000	Yes	Z21CHB1160
1	XTS5000	Yes	Z21CHF7233
1	XTS5000	Yes	Z21CHF7234
1	XTS5000	Yes	Z21CHF7235
1	XTS5000	Yes	Z21CHF7236
1	XTS5000	Yes	Z21CHF7237
1	XTS5000	Yes	Z21CHF7238
1	XTS5000	Yes	Z21CHF7239
1	XTS5000	Yes	Z21CHF7240
1	XTS5000	Yes	Z21CHP0605
1	XTS5000	Yes	Z21CHP0606
1	XTS5000	Yes	Z21CHP0607
1	XTS5000	Yes	Z21CHP0608
1	XTS5000	Yes	Z21CHP0609
1	XTS5000	Yes	Z21CHP0610
1	XTS5000	Yes	Z21CHT2398
1	XTS5000	Yes	Z21CHT2399
1	XTS5000	Yes	Z21CHT2400
1	XTS5000	Yes	Z21CHT2401
1	XTS5000	Yes	Z21CHT2402
1	XTS5000	Yes	Z21CHT2403
1	XTS5000	Yes	Z21CHT2404
1	XTS5000	Yes	Z21CIM4874
1	XTS5000	Yes	Z21CIM4955
1	XTS5000	Yes	Z21CIM4956
1	XTS5000	Yes	Z21CIM4957
1	XTS5000	Yes	Z21CIM4958
1	XTS5000	Yes	Z21CIM4959
1	XTS5000	Yes	Z21CIM4960
1	XTS5000	Yes	Z21CIM4961
1	XTS5000	Yes	Z21CIM4962
1	XTS5000	Yes	Z21CIM4963
1	XTS5000	Yes	Z21CIM4964
1	XTS5000	Yes	Z21CIM4965
1	XTS5000	Yes	Z21CIM4966
1	XTS5000	Yes	Z21CIM4967
1	XTS5000	Yes	Z21CIM4968

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS5000	Yes	Z21CJM4969
1	XTS5000	Yes	Z21CJM4970
1	XTS5000	Yes	Z21CJM4971
1	XTS5000	Yes	Z21CJM4972
1	XTS5000	Yes	Z21CJM4973
1	XTS5000	Yes	Z21CJM4974
1	XTS5000	Yes	Z21CJM4975
1	XTS5000	Yes	Z21CJM4976
1	XTS5000	Yes	Z21CJM4977
1	XTS5000	Yes	Z21CJM4988
1	XTS5000	Yes	Z21CJM4989
1	XTS5000	Yes	Z21CJM4990
1	XTS5000	Yes	Z21CJM4991
1	XTS5000	Yes	Z21CJM4992
1	XTS5000	Yes	Z21CJM4993
1	XTS5000	Yes	Z21CJM4994
1	XTS5000	Yes	Z21CJM4995
1	XTS5000	Yes	Z21CJM4996
1	XTS5000	Yes	Z21CJM4997
1	XTS5000	Yes	Z21CJM4998
1	XTS5000	Yes	Z21CJM4999
1	XTS5000	Yes	Z21CJM5000
1	XTS5000	Yes	Z21CJM5001
1	XTS5000	Yes	Z21CJM5002
1	XTS5000	Yes	Z21CJM5003
1	XTS5000	Yes	Z21CJM5004
1	XTS5000	Yes	Z21CJM5006
1	XTS5000	Yes	Z21CJM5007
1	XTS5000	Yes	Z21ACE4738
1	XTS5000	Yes	Z21ACE4739
1	XTS5000	Yes	Z21ACE4740
1	XTS5000	Yes	Z21ACE4742
1	XTS5000	Yes	Z21ACL0895
1	XTS5000	Yes	Z21ACL0896
1	XTS5000	Yes	Z21ACL0897
1	XTS5000	Yes	Z21ACL0898
1	XTS5000	Yes	Z21ACL0899
1	XTS5000	Yes	Z21ACL0700

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21ACL0701
1	XTS5000	Yes	Z21ACL0702
1	XTS5000	Yes	Z21ACL0703
1	XTS5000	Yes	Z21ACL0704
1	XTS5000	Yes	Z21CEG2605
1	XTS5000	Yes	Z21ACL0705
1	XTS5000	Yes	Z21ACL0706
1	XTS5000	Yes	Z21ACL0707
1	XTS5000	Yes	Z21ACL0708
1	XTS5000	Yes	Z21ACL0709
1	XTS5000	Yes	Z21ACL0710
1	XTS5000	Yes	Z21ACL0711
1	XTS5000	Yes	Z21ACL0712
1	XTS5000	Yes	Z21ACL0713
1	XTS5000	Yes	Z21ACL0714
1	XTS5000	Yes	Z21ACL0715
1	XTS5000	Yes	Z21ACL0716
1	XTS5000	Yes	Z21ACL0717
1	XTS5000	Yes	Z21ACL0718
1	XTS5000	Yes	Z21CDS2341
1	XTS5000	Yes	Z21CDS2805
1	XTS5000	Yes	Z21CDS2865
1	XTS5000	Yes	Z21CDS2881
1	XTS5000	Yes	Z21CDS2903
1	XTS5000	Yes	Z21CDS2914
1	XTS5000	Yes	Z21CDS2918
1	XTS5000	Yes	Z21CDS2969
1	XTS5000	Yes	Z21CDS2971
1	XTS5000	Yes	Z21CDS2998
1	XTS5000	Yes	Z21CDS4594
1	XTS5000	Yes	Z21CDS4596
1	XTS5000	Yes	Z21CDS4600
1	XTS5000	Yes	Z21CDS4601
1	XTS5000	Yes	Z21CDU0081
1	XTS5000	Yes	Z21CDU0094
1	XTS5000	Yes	Z21CDU0631
1	XTS5000	Yes	Z21CDU0637
1	XTS5000	Yes	Z21CDU1255

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CDU1257
1	XTS5000	Yes	Z21CDU1267
1	XTS5000	Yes	Z21CDU1611
1	XTS5000	Yes	Z21CDU1613
1	XTS5000	Yes	Z21CDU3469
1	XTS5000	Yes	Z21CDU3474
1	XTS5000	Yes	Z21CDU3485
1	XTS5000	Yes	Z21CDU3531
1	XTS5000	Yes	Z21CDU3535
1	XTS5000	Yes	Z21CDU3538
1	XTS5000	Yes	Z21CDU3894
1	XTS5000	Yes	Z21CDU3912
1	XTS5000	Yes	Z21CDU3919
1	XTS5000	Yes	Z21CDU3946
1	XTS5000	Yes	Z21CDU3957
1	XTS5000	Yes	Z21CDU3959
1	XTS5000	Yes	Z21CDU3974
1	XTS5000	Yes	Z21CDU3985
1	XTS5000	Yes	Z21CDU3986
1	XTS5000	Yes	Z21CDU3980
1	XTS5000	Yes	Z21CDU4020
1	XTS5000	Yes	Z21CDU4105
1	XTS5000	Yes	Z21CDU4125
1	XTS5000	Yes	Z21CDU4378
1	XTS5000	Yes	Z21CDU4389
1	XTS5000	Yes	Z21CDU4647
1	XTS5000	Yes	Z21CDU4651
1	XTS5000	Yes	Z21CDU4656
1	XTS5000	Yes	Z21CDU4665
1	XTS5000	Yes	Z21CDY0713
1	XTS5000	Yes	Z21CDY0736
1	XTS5000	Yes	Z21CDY0748
1	XTS5000	Yes	Z21CDY0779
1	XTS5000	Yes	Z21CDY0780
1	XTS5000	Yes	Z21CDY0781
1	XTS5000	Yes	Z21CDY0782
1	XTS5000	Yes	Z21CDY0783
1	XTS5000	Yes	Z21CDY0784

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS5000	Yes	721CDY0785
1	XTS5000	Yes	721CDY0786
1	XTS5000	Yes	721CDY0787
1	XTS5000	Yes	721CDY0788
1	XTS5000	Yes	721CDY0789
1	XTS5000	Yes	721CDY0790
1	XTS5000	Yes	721CDY0791
1	XTS5000	Yes	721CDY4086
1	XTS5000	Yes	721CDY4089
1	XTS5000	Yes	721CDY4091
1	XTS5000	Yes	721CDY4092
1	XTS5000	Yes	721CDY4094
1	XTS5000	Yes	721CDY4095
1	XTS5000	Yes	721CDY4349
1	XTS5000	Yes	721CDY4358
1	XTS5000	Yes	721CDY4359
1	XTS5000	Yes	721CDY4421
1	XTS5000	Yes	721CDY4514
1	XTS5000	Yes	721CDY4658
1	XTS5000	Yes	721CDY4659
1	XTS5000	Yes	721CDY4714
1	XTS5000	Yes	721CDY4736
1	XTS5000	Yes	721CDY4739
1	XTS5000	Yes	721CDY4746
1	XTS5000	Yes	721CDY4747
1	XTS5000	Yes	721CDY4759
1	XTS5000	Yes	721CDY4795
1	XTS5000	Yes	721CDY4812
1	XTS5000	Yes	721CEA5103
1	XTS5000	Yes	721CEA5330
1	XTS5000	Yes	721CEA5337
1	XTS5000	Yes	721CEA5368
1	XTS5000	Yes	721CEA5371
1	XTS5000	Yes	721CEA5385
1	XTS5000	Yes	721CEA5438
1	XTS5000	Yes	721CEA5505

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CEA515
1	XTS5000	Yes	721CEA516
1	XTS5000	Yes	721CEA531
1	XTS5000	Yes	721CEA533
1	XTS5000	Yes	721CEA539
1	XTS5000	Yes	721CEA571
1	XTS5000	Yes	721CEE0089
1	XTS5000	Yes	721CEE0106
1	XTS5000	Yes	721CEE0108
1	XTS5000	Yes	721CEE0143
1	XTS5000	Yes	721CEE0144
1	XTS5000	Yes	721CEE0150
1	XTS5000	Yes	721CEE0152
1	XTS5000	Yes	721CEE0179
1	XTS5000	Yes	721CEE0208
1	XTS5000	Yes	721CEE0209
1	XTS5000	Yes	721CEE0211
1	XTS5000	Yes	721CEE0213
1	XTS5000	Yes	721CEE0220
1	XTS5000	Yes	721CEE0223
1	XTS5000	Yes	721CEE0225
1	XTS5000	Yes	721CEE0227
1	XTS5000	Yes	721CEE0228
1	XTS5000	Yes	721CEE0232
1	XTS5000	Yes	721CEE0243
1	XTS5000	Yes	721CEE0249
1	XTS5000	Yes	721CEE0250
1	XTS5000	Yes	721CEE0251
1	XTS5000	Yes	721CEE0257
1	XTS5000	Yes	721CEE0258
1	XTS5000	Yes	721CEE0259
1	XTS5000	Yes	721CEE0261
1	XTS5000	Yes	721CEE0267
1	XTS5000	Yes	721CEE0268
1	XTS5000	Yes	721CEE0269
1	XTS5000	Yes	721CEE0270
1	XTS5000	Yes	721CEE0271
1	XTS5000	Yes	721CEE0272
1	XTS5000	Yes	721CEE0273
1	XTS5000	Yes	721CEE0274
1	XTS5000	Yes	721CEE0275
1	XTS5000	Yes	721CEE0276
1	XTS5000	Yes	721CEE0277
1	XTS5000	Yes	721CEE0278
1	XTS5000	Yes	721CEE0279
1	XTS5000	Yes	721CEE0280
1	XTS5000	Yes	721CEE0281
1	XTS5000	Yes	721CEE0282
1	XTS5000	Yes	721CEE0283
1	XTS5000	Yes	721CEE0284
1	XTS5000	Yes	721CEE0285
1	XTS5000	Yes	721CEE0286
1	XTS5000	Yes	721CEE0287
1	XTS5000	Yes	721CEE0288
1	XTS5000	Yes	721CEE0289
1	XTS5000	Yes	721CEE0290
1	XTS5000	Yes	721CEE0291
1	XTS5000	Yes	721CEE0292
1	XTS5000	Yes	721CEE0293
1	XTS5000	Yes	721CEE0294
1	XTS5000	Yes	721CEE0295
1	XTS5000	Yes	721CEE0296
1	XTS5000	Yes	721CEE0297
1	XTS5000	Yes	721CEE0298
1	XTS5000	Yes	721CEE0299
1	XTS5000	Yes	721CEE0300
1	XTS5000	Yes	721CEE0301
1	XTS5000	Yes	721CEE0302
1	XTS5000	Yes	721CEE0303
1	XTS5000	Yes	721CEE0304
1	XTS5000	Yes	721CEE0305
1	XTS5000	Yes	721CEE0306
1	XTS5000	Yes	721CEE0307
1	XTS5000	Yes	721CEE0308
1	XTS5000	Yes	721CEE0309
1	XTS5000	Yes	721CEE0310
1	XTS5000	Yes	721CEE0311
1	XTS5000	Yes	721CEE0312
1	XTS5000	Yes	721CEE0313
1	XTS5000	Yes	721CEE0314
1	XTS5000	Yes	721CEE0315
1	XTS5000	Yes	721CEE0316
1	XTS5000	Yes	721CEE0317
1	XTS5000	Yes	721CEE0318
1	XTS5000	Yes	721CEE0319
1	XTS5000	Yes	721CEE0320
1	XTS5000	Yes	721CEE0321
1	XTS5000	Yes	721CEE0322
1	XTS5000	Yes	721CEE0323
1	XTS5000	Yes	721CEE0324
1	XTS5000	Yes	721CEE0325
1	XTS5000	Yes	721CEE0326
1	XTS5000	Yes	721CEE0327
1	XTS5000	Yes	721CEE0328
1	XTS5000	Yes	721CEE0329
1	XTS5000	Yes	721CEE0330
1	XTS5000	Yes	721CEE0331
1	XTS5000	Yes	721CEE0332
1	XTS5000	Yes	721CEE0333
1	XTS5000	Yes	721CEE0334
1	XTS5000	Yes	721CEE0335
1	XTS5000	Yes	721CEE0336
1	XTS5000	Yes	721CEE0337
1	XTS5000	Yes	721CEE0338
1	XTS5000	Yes	721CEE0339
1	XTS5000	Yes	721CEE0340
1	XTS5000	Yes	721CEE0341
1	XTS5000	Yes	721CEE0342
1	XTS5000	Yes	721CEE0343
1	XTS5000	Yes	721CEE0344
1	XTS5000	Yes	721CEE0345
1	XTS5000	Yes	721CEE0346
1	XTS5000	Yes	721CEE0347

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CEE0471
1	XTS5000	Yes	Z21CEE0480
1	XTS5000	Yes	Z21CEE0510
1	XTS5000	Yes	Z21CEE0512
1	XTS5000	Yes	Z21CEE0518
1	XTS5000	Yes	Z21CEE0548
1	XTS5000	Yes	Z21CEE0661
1	XTS5000	Yes	Z21CEE0668
1	XTS5000	Yes	Z21CEE0682
1	XTS5000	Yes	Z21CEE0692
1	XTS5000	Yes	Z21CEE0909
1	XTS5000	Yes	Z21CEE0924
1	XTS5000	Yes	Z21CEE0954
1	XTS5000	Yes	Z21CEE0961
1	XTS5000	Yes	Z21CEE0963
1	XTS5000	Yes	Z21CEE0964
1	XTS5000	Yes	Z21CEE0985
1	XTS5000	Yes	Z21CEE0989
1	XTS5000	Yes	Z21CEE0973
1	XTS5000	Yes	Z21CEE0976
1	XTS5000	Yes	Z21CEE0976
1	XTS5000	Yes	Z21CEE1126
1	XTS5000	Yes	Z21CEE1133
1	XTS5000	Yes	Z21CEE1136
1	XTS5000	Yes	Z21CEE1158
1	XTS5000	Yes	Z21CEE1454
1	XTS5000	Yes	Z21CEE1517
1	XTS5000	Yes	Z21CEE1539
1	XTS5000	Yes	Z21CEE1631
1	XTS5000	Yes	Z21CEE1636
1	XTS5000	Yes	Z21CEE1714
1	XTS5000	Yes	Z21CEE1720
1	XTS5000	Yes	Z21CEE1728
1	XTS5000	Yes	Z21CEE2903
1	XTS5000	Yes	Z21CEE3048
1	XTS5000	Yes	Z21CEE3054
1	XTS5000	Yes	Z21CEE3055
1	XTS5000	Yes	Z21CEE3058
1	XTS5000	Yes	Z21CEE3059

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CEE3060
1	XTS5000	Yes	721CEE3061
1	XTS5000	Yes	721CEE3092
1	XTS5000	Yes	721CEE3161
1	XTS5000	Yes	721CEE3185
1	XTS5000	Yes	721CEE3398
1	XTS5000	Yes	721CEE3970
1	XTS5000	Yes	721CEE3971
1	XTS5000	Yes	721CEE3972
1	XTS5000	Yes	721CEE3973
1	XTS5000	Yes	721CEE3974
1	XTS5000	Yes	721CEE3976
1	XTS5000	Yes	721CEE3977
1	XTS5000	Yes	721CEE3980
1	XTS5000	Yes	721CEE3981
1	XTS5000	Yes	721CEE3982
1	XTS5000	Yes	721CEE3984
1	XTS5000	Yes	721CEE3987
1	XTS5000	Yes	721CEE3988
1	XTS5000	Yes	721CEE3993
1	XTS5000	Yes	721CEE3994
1	XTS5000	Yes	721CEE4007
1	XTS5000	Yes	721CEE4048
1	XTS5000	Yes	721CEE4049
1	XTS5000	Yes	721CEE4053
1	XTS5000	Yes	721CEE4292
1	XTS5000	Yes	721CEE4319
1	XTS5000	Yes	721CEE4321
1	XTS5000	Yes	721CEE4322
1	XTS5000	Yes	721OE31724
1	XTS5000	Yes	721OE31742
1	XTS5000	Yes	721OE31781
1	XTS5000	Yes	721OE31871
1	XTS5000	Yes	721OE31977
1	XTS5000	Yes	721OE32054
1	XTS5000	Yes	721OE32070
1	XTS5000	Yes	721OE32078

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Qty	Model Name	Repair Support	Notes/Comments
1	XTS5000	Yes	Z21CEG2157
1	XTS5000	Yes	Z21CEG2176
1	XTS5000	Yes	Z21CEG2428
1	XTS5000	Yes	Z21CEG2436
1	XTS5000	Yes	Z21CEG2482
1	XTS5000	Yes	Z21CEG2487
1	XTS5000	Yes	Z21CEG2493
1	XTS5000	Yes	Z21CEG2503
1	XTS5000	Yes	Z21CEG2520
1	XTS5000	Yes	Z21CEG2578
1	XTS5000	Yes	Z21CEG2800
1	XTS5000	Yes	Z21CEG2801
1	XTS5000	Yes	Z21CEJ1541
1	XTS5000	Yes	Z21CEU0430
1	XTS5000	Yes	Z21CEU0437
1	XTS5000	Yes	Z21CEU0446
1	XTS5000	Yes	Z21CEU0448
1	XTS5000	Yes	Z21CEU0453
1	XTS5000	Yes	Z21CEU0454
1	XTS5000	Yes	Z21CEU0455
1	XTS5000	Yes	Z21CEU0467
1	XTS5000	Yes	Z21CEU0469
1	XTS5000	Yes	Z21CEU0472
1	XTS5000	Yes	Z21CEU0505
1	XTS5000	Yes	Z21CEU0528
1	XTS5000	Yes	Z21CEU0539
1	XTS5000	Yes	Z21CEU0562
1	XTS5000	Yes	Z21CEU0566
1	XTS5000	Yes	Z21CEU0571
1	XTS5000	Yes	Z21CEU0573
1	XTS5000	Yes	Z21CEU0574
1	XTS5000	Yes	Z21CEU0575
1	XTS5000	Yes	Z21CEU0577
1	XTS5000	Yes	Z21CEU0578
1	XTS5000	Yes	Z21CHF7325
1	XTS5000	Yes	Z21CHF7326
1	XTS5000	Yes	Z21CHF7327
1	XTS5000	Yes	Z21CHF7328

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CHF7329
1	XTS5000	Yes	721CHF7330
1	XTS5000	Yes	721CHF7331
1	XTS5000	Yes	721CHF7332
1	XTS5000	Yes	721CHF7333
1	XTS5000	Yes	721CHF7334
1	XTS5000	Yes	721CHF7335
1	XTS5000	Yes	721CHF7336
1	XTS5000	Yes	721CHF7337
1	XTS5000	Yes	721CHF7338
1	XTS5000	Yes	721CHF7339
1	XTS5000	Yes	721CJM4829
1	XTS5000	Yes	721CJM4830
1	XTS5000	Yes	721CJM4831
1	XTS5000	Yes	721CJM4832
1	XTS5000	Yes	721CJM4833
1	XTS5000	Yes	721CJM4834
1	XTS5000	Yes	721CJM4835
1	XTS5000	Yes	721CJM4836
1	XTS5000	Yes	721CJM4837
1	XTS5000	Yes	721CJM4838
1	XTS5000	Yes	721CJM4839
1	XTS5000	Yes	721CJM4840
1	XTS5000	Yes	721CJM4841
1	XTS5000	Yes	721CJM4842
1	XTS5000	Yes	721CJM4843
1	XTS5000	Yes	721CJM4844
1	XTS5000	Yes	721CJM4845
1	XTS5000	Yes	721CJM4846
1	XTS5000	Yes	721CJM4847
1	XTS5000	Yes	721CJM4848
1	XTS5000	Yes	721CJM4849
1	XTS5000	Yes	721CJM4850
1	XTS5000	Yes	721CJM4851
1	XTS5000	Yes	721CJM4852
1	XTS5000	Yes	721CJM4853
1	XTS5000	Yes	721CJM4854
1	XTS5000	Yes	721CJM4855

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CJMA856
1	XTS5000	Yes	721CJMA857
1	XTS5000	Yes	721CJMA858
1	XTS5000	Yes	721CJMA859
1	XTS5000	Yes	721CJMA860
1	XTS5000	Yes	721CJMA861
1	XTS5000	Yes	721CJMA862
1	XTS5000	Yes	721CJMA863
1	XTS5000	Yes	721CJMA864
1	XTS5000	Yes	721CJMA865
1	XTS5000	Yes	721CJMA866
1	XTS5000	Yes	721CJMA867
1	XTS5000	Yes	721CJMA868
1	XTS5000	Yes	721CJMA869
1	XTS5000	Yes	721CJMA870
1	XTS5000	Yes	721CJMA871
1	XTS5000	Yes	721CJMA872
1	XTS5000	Yes	721CJMA873
1	XTS5000	Yes	721CJMA875
1	XTS5000	Yes	721CJMA876
1	XTS5000	Yes	721CJMA877
1	XTS5000	Yes	721CJMA878
1	XTS5000	Yes	721CJMA915
1	XTS5000	Yes	721CJMA916
1	XTS5000	Yes	721CJMA917
1	XTS5000	Yes	721CJMA918
1	XTS5000	Yes	721CJMA919
1	XTS5000	Yes	721CJMA920
1	XTS5000	Yes	721CJMA921
1	XTS5000	Yes	721CJMA922
1	XTS5000	Yes	721CJMA923
1	XTS5000	Yes	721CJMA924
1	XTS5000	Yes	721CJMA925
1	XTS5000	Yes	721CJMA926
1	XTS5000	Yes	721CJMA927
1	XTS5000	Yes	721CJMA928
1	XTS5000	Yes	721CJMA929
1	XTS5000	Yes	721CJMA930

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CJM4931
1	XTS5000	Yes	721CJM4932
1	XTS5000	Yes	721CJM4933
1	XTS5000	Yes	721CJM4935
1	XTS5000	Yes	721CJM4936
1	XTS5000	Yes	721CJM4937
1	XTS5000	Yes	721CJM4938
1	XTS5000	Yes	721CJM4939
1	XTS5000	Yes	721CJM4940
1	XTS5000	Yes	721CJM4941
1	XTS5000	Yes	721CJM4942
1	XTS5000	Yes	721CJM4943
1	XTS5000	Yes	721CJM4944
1	XTS5000	Yes	721CJM4945
1	XTS5000	Yes	721CJM4946
1	XTS5000	Yes	721CJM4947
1	XTS5000	Yes	721CJM4948
1	XTS5000	Yes	721CJM4949
1	XTS5000	Yes	721CJM4950
1	XTS5000	Yes	721CJM4951
1	XTS5000	Yes	721CJM4952
1	XTS5000	Yes	721CJM4953
1	XTS5000	Yes	721CJM4954
1	XTS5000	Yes	721CJM4978
1	XTS5000	Yes	721CJM4979
1	XTS5000	Yes	721CJM4980
1	XTS5000	Yes	721CJM4981
1	XTS5000	Yes	721CJM4982
1	XTS5000	Yes	721CJM4983
1	XTS5000	Yes	721CJM4984
1	XTS5000	Yes	721CJM4985
1	XTS5000	Yes	721CJM4986
1	XTS5000	Yes	721CJM4987
1	XTS5000	Yes	721CEA5526
1	XTS5000	Yes	721CEED234
1	XTS5000	Yes	721CEED260
1	XTS5000	Yes	721CEED309
1	XTS5000	Yes	721CEED311

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CEE0313
1	XTS5000	Yes	Z21CEE0421
1	XTS5000	Yes	Z21CEE0461
1	XTS5000	Yes	Z21CEE0513
1	XTS5000	Yes	Z21CEE0529
1	XTS5000	Yes	Z21CEE0531
1	XTS5000	Yes	Z21CEE0551
1	XTS5000	Yes	Z21CEE0593
1	XTS5000	Yes	Z21CEE0764
1	XTS5000	Yes	Z21CEE0777
1	XTS5000	Yes	Z21CEE0812
1	XTS5000	Yes	Z21CEE0856
1	XTS5000	Yes	Z21CEE0874
1	XTS5000	Yes	Z21CEE0876
1	XTS5000	Yes	Z21CEE0897
1	XTS5000	Yes	Z21CEE1484
1	XTS5000	Yes	Z21CEE1508
1	XTS5000	Yes	Z21CEE1626
1	XTS5000	Yes	Z21CEE2870
1	XTS5000	Yes	Z21CEE2914
1	XTS5000	Yes	Z21CEE2968
1	XTS5000	Yes	Z21CEE3085
1	XTS5000	Yes	Z21CEE3343
1	XTS5000	Yes	Z21CEE3957
1	XTS5000	Yes	Z21CEE4421
1	XTS5000	Yes	Z21CEG1698
1	XTS5000	Yes	Z21CEG1753
1	XTS5000	Yes	Z21CEG1864
1	XTS5000	Yes	Z21CDS2910
1	XTS5000	Yes	Z21CDU3104
1	XTS5000	Yes	Z21CDU3548
1	XTS5000	Yes	Z21CDU3985
1	XTS5000	Yes	Z21CDY4652
1	XTS5000	Yes	Z21CDY4661
1	XTS5000	Yes	Z21CDY4685
1	XTS5000	Yes	Z21CDY4774
1	XTS5000	Yes	Z21CEA8136
1	XTS5000	Yes	Z21CEA8147

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CEE0208
1	XTS5000	Yes	Z21CEE0230
1	XTS5000	Yes	Z21CEE0655
1	XTS5000	Yes	Z21CEE0664
1	XTS5000	Yes	Z21CEE0780
1	XTS5000	Yes	Z21CEE0795
1	XTS5000	Yes	Z21CEE0872
1	XTS5000	Yes	Z21CEE0875
1	XTS5000	Yes	Z21CEE2869
1	XTS5000	Yes	Z21CEE3101
1	XTS5000	Yes	Z21CEE4173
1	XTS5000	Yes	Z21CKR2385
1	XTS5000	Yes	Z21CKR2387
1	XTS5000	Yes	Z21CKR2388
1	XTS5000	Yes	Z21CKR2389
1	XTS5000	Yes	Z21CKR2390
1	XTS5000	Yes	Z21CKR2391
1	XTS5000	Yes	Z21CKR2392
1	XTS5000	Yes	Z21CKR2393
1	XTS5000	Yes	Z21CKR2394
1	XTS5000	Yes	Z21CEE4200
1	XTS5000	Yes	Z21CEE4284
1	XTS5000	Yes	Z21CEE4342
1	XTS5000	Yes	Z21CEE4419
1	XTS5000	Yes	Z21CEG1961
1	XTS5000	Yes	Z21CEG2085
1	XTS5000	Yes	Z21CEG2148
1	XTS5000	Yes	Z21CKB2315
1	XTS5000	Yes	Z21CKB2316
1	XTS5000	Yes	Z21CKB2317
1	XTS5000	Yes	Z21CKB2318
1	XTS5000	Yes	Z21CKB2319
1	XTS5000	Yes	Z21CKB2320
1	XTS5000	Yes	Z21CKB2321
1	XTS5000	Yes	Z21CKB2322
1	XTS5000	Yes	Z21CKB2323
1	XTS5000	Yes	Z21CKB2324
1	XTS5000	Yes	Z21CKB2325

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CKB2326
1	XTS5000	Yes	721CEG2498
1	XTS5000	Yes	721CEG2831
1	XTS5000	Yes	721CEN3299
1	XTS5000	Yes	721CKFD410
1	XTS5000	Yes	721CKFD411
1	XTS5000	Yes	721CKF2648
1	XTS5000	Yes	721CKF3290
1	XTS5000	Yes	721CKF3291
1	XTS5000	Yes	721CKF3292
1	XTS5000	Yes	721CKF3293
1	XTS5000	Yes	721CKF3294
1	XTS5000	Yes	721CKF3295
1	XTS5000	Yes	721CKF3296
1	XTS5000	Yes	721CKF3297
1	XTS5000	Yes	721CKF3298
1	XTS5000	Yes	721CKF3299
1	XTS5000	Yes	721CKF3300
1	XTS5000	Yes	721CKF3301
1	XTS5000	Yes	721CKF3302
1	XTS5000	Yes	721CKF3303
1	XTS5000	Yes	721CKF3304
1	XTS5000	Yes	721CKF3305
1	XTS5000	Yes	721CKF3306
1	XTS5000	Yes	721CKF3307
1	XTS5000	Yes	721CKF3308
1	XTS5000	Yes	721CKF3309
1	XTS5000	Yes	721CKF3310
1	XTS5000	Yes	721CKF3311
1	XTS5000	Yes	721CKF3312
1	XTS5000	Yes	721CKF3313
1	XTS5000	Yes	721CKF3314
1	XTS5000	Yes	721CKF3315
1	XTS5000	Yes	721CKF3316
1	XTS5000	Yes	721CKF3317
1	XTS5000	Yes	721CKF3318
1	XTS5000	Yes	721CKF3319
1	XTS5000	Yes	721CKF3320

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Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CKF3321
1	XTS5000	Yes	Z21CKF3322
1	XTS5000	Yes	Z21CKF3323
1	XTS5000	Yes	Z21CKF3324
1	XTS5000	Yes	Z21CKF3325
1	XTS5000	Yes	Z21CKF3327
1	XTS5000	Yes	Z21CKF3328
1	XTS5000	Yes	Z21CKF3329
1	XTS5000	Yes	Z21CKF3330
1	XTS5000	Yes	Z21CKF3331
1	XTS5000	Yes	Z21CKF3332
1	XTS5000	Yes	Z21CKF3333
1	XTS5000	Yes	Z21CKF3334
1	XTS5000	Yes	Z21CKF3335
1	XTS5000	Yes	Z21CKF3336
1	XTS5000	Yes	Z21CKF3337
1	XTS5000	Yes	Z21CKF3338
1	XTS5000	Yes	Z21CKF3339
1	XTS5000	Yes	Z21CKF3340
1	XTS5000	Yes	Z21CKF3341
1	XTS5000	Yes	Z21CKF3342
1	XTS5000	Yes	Z21CKF3361
1	XTS5000	Yes	Z21CKF3362
1	XTS5000	Yes	Z21CKF3363
1	XTS5000	Yes	Z21CKF3364
1	XTS5000	Yes	Z21CKF3365
1	XTS5000	Yes	Z21CKF3366
1	XTS5000	Yes	Z21CKF3367
1	XTS5000	Yes	Z21CKF3368
1	XTS5000	Yes	Z21CKF3369
1	XTS5000	Yes	Z21CKF3370
1	XTS5000	Yes	Z21CKF3371
1	XTS5000	Yes	Z21CKF3372
1	XTS5000	Yes	Z21CKF3373
1	XTS5000	Yes	Z21CKF3374
1	XTS5000	Yes	Z21CKF3375
1	XTS5000	Yes	Z21CKF3376
1	XTS5000	Yes	Z21CKF3377

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CKF3378
1	XTS5000	Yes	721CKF3379
1	XTS5000	Yes	721CKF3380
1	XTS5000	Yes	721CKF2493
1	XTS5000	Yes	721CKF2494
1	XTS5000	Yes	721CKF2495
1	XTS5000	Yes	721CKF2496
1	XTS5000	Yes	721CKF2497
1	XTS5000	Yes	721CKF2498
1	XTS5000	Yes	721CKF2499
1	XTS5000	Yes	721CKF2500
1	XTS5000	Yes	721CKF2501
1	XTS5000	Yes	721CKF2502
1	XTS5000	Yes	721CKF2503
1	XTS5000	Yes	721CKF2504
1	XTS5000	Yes	721CKF2505
1	XTS5000	Yes	721CKF2506
1	XTS5000	Yes	721CKF2507
1	XTS5000	Yes	721CKF2508
1	XTS5000	Yes	721CKF2509
1	XTS5000	Yes	721CKF2510
1	XTS5000	Yes	721CKF2511
1	XTS5000	Yes	721CKF2512
1	XTS5000	Yes	721CKF2513
1	XTS5000	Yes	721CKF2514
1	XTS5000	Yes	721CKF2515
1	XTS5000	Yes	721CKF2516
1	XTS5000	Yes	721CKF2517
1	XTS5000	Yes	721CKF2518
1	XTS5000	Yes	721CKF2519
1	XTS5000	Yes	721CKF2520
1	XTS5000	Yes	721CKF2521
1	XTS5000	Yes	721CKF2522
1	XTS5000	Yes	721CKF2523
1	XTS5000	Yes	721CKF2524
1	XTS5000	Yes	721CKF2525
1	XTS5000	Yes	721CKF2526
1	XTS5000	Yes	721CKF2527

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CKF2528
1	XTS5000	Yes	721CKF2529
1	XTS5000	Yes	721CKF2530
1	XTS5000	Yes	721CKF2531
1	XTS5000	Yes	721CKF2532
1	XTS5000	Yes	721CKF2533
1	XTS5000	Yes	721CKF2534
1	XTS5000	Yes	721CKF2535
1	XTS5000	Yes	721CKF2536
1	XTS5000	Yes	721CKF2537
1	XTS5000	Yes	721CKF2538
1	XTS5000	Yes	721CKF2539
1	XTS5000	Yes	721CKF2540
1	XTS5000	Yes	721CKF2541
1	XTS5000	Yes	721CKF2542
1	XTS5000	Yes	721CKF2543
1	XTS5000	Yes	721CKF2544
1	XTS5000	Yes	721CKF2545
1	XTS5000	Yes	721CKF2546
1	XTS5000	Yes	721CKF2547
1	XTS5000	Yes	721CKF2548
1	XTS5000	Yes	721CKF2549
1	XTS5000	Yes	721CKF2550
1	XTS5000	Yes	721CKF2551
1	XTS5000	Yes	721CKF2552
1	XTS5000	Yes	721CKF2553
1	XTS5000	Yes	721CKF2554
1	XTS5000	Yes	721CKF2555
1	XTS5000	Yes	721CKF2556
1	XTS5000	Yes	721CKF2557
1	XTS5000	Yes	721CKF2558
1	XTS5000	Yes	721CKF2559
1	XTS5000	Yes	721CKF2560
1	XTS5000	Yes	721CKF2561
1	XTS5000	Yes	721CKF2562
1	XTS5000	Yes	721CKF2563
1	XTS5000	Yes	721CKF2564
1	XTS5000	Yes	721CKF2565

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTSS000	Yes	721CKF2566
1	XTSS000	Yes	721CKF2567
1	XTSS000	Yes	721CKF2568
1	XTSS000	Yes	721CKF2569
1	XTSS000	Yes	721CKF2570
1	XTSS000	Yes	721CKF2571
1	XTSS000	Yes	721CKF2572
1	XTSS000	Yes	721CKF2573
1	XTSS000	Yes	721CKF2574
1	XTSS000	Yes	721CKF2575
1	XTSS000	Yes	721CKF2576
1	XTSS000	Yes	721CKF2577
1	XTSS000	Yes	721CKF2578
1	XTSS000	Yes	721CKF2579
1	XTSS000	Yes	721CKF2580
1	XTSS000	Yes	721CKF2581
1	XTSS000	Yes	721CKF2582
1	XTSS000	Yes	721CKF2583
1	XTSS000	Yes	721CKF2584
1	XTSS000	Yes	721CKF2585
1	XTSS000	Yes	721CKF2586
1	XTSS000	Yes	721CKF2587
1	XTSS000	Yes	721CKF2588
1	XTSS000	Yes	721CKF2589
1	XTSS000	Yes	721CKF2590
1	XTSS000	Yes	721CKF2591
1	XTSS000	Yes	721CKF2592
1	XTSS000	Yes	721CKF2593
1	XTSS000	Yes	721CKF2594
1	XTSS000	Yes	721CKF2595
1	XTSS000	Yes	721CKF2596
1	XTSS000	Yes	721CKF2597
1	XTSS000	Yes	721CKF2598
1	XTSS000	Yes	721CKF2599
1	XTSS000	Yes	721CKF2600
1	XTSS000	Yes	721CKF2601
1	XTSS000	Yes	721CKF2602
1	XTSS000	Yes	721CKF2603

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CKF2604
1	XTS5000	Yes	721CKF2605
1	XTS5000	Yes	721CKF2606
1	XTS5000	Yes	721CKF2607
1	XTS5000	Yes	721CKF2608
1	XTS5000	Yes	721CKF2609
1	XTS5000	Yes	721CKF2610
1	XTS5000	Yes	721CKF2611
1	XTS5000	Yes	721CKF2612
1	XTS5000	Yes	721CKF2613
1	XTS5000	Yes	721CKF2614
1	XTS5000	Yes	721CKF2615
1	XTS5000	Yes	721CKF2616
1	XTS5000	Yes	721CKF2617
1	XTS5000	Yes	721CKF2618
1	XTS5000	Yes	721CKF2619
1	XTS5000	Yes	721CKF2620
1	XTS5000	Yes	721CKF2621
1	XTS5000	Yes	721CKF2622
1	XTS5000	Yes	721CKF2623
1	XTS5000	Yes	721CKF2624
1	XTS5000	Yes	721CKF2625
1	XTS5000	Yes	721CKF2626
1	XTS5000	Yes	721CKF2627
1	XTS5000	Yes	721CKF2628
1	XTS5000	Yes	721CKF2629
1	XTS5000	Yes	721CKF2630
1	XTS5000	Yes	721CKF2631
1	XTS5000	Yes	721CKF2632
1	XTS5000	Yes	721CKF2633
1	XTS5000	Yes	721CKF2634
1	XTS5000	Yes	721CKF2635
1	XTS5000	Yes	721CKF2636
1	XTS5000	Yes	721CKF2637
1	XTS5000	Yes	721CKF2638
1	XTS5000	Yes	721CKF2639
1	XTS5000	Yes	721CKF2640
1	XTS5000	Yes	721CKF2641

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	721CKF2642
1	XTS5000	Yes	721CKF2643
1	XTS5000	Yes	721CKF2644
1	XTS5000	Yes	721CKF2645
1	XTS5000	Yes	721CKF2646
1	XTS5000	Yes	721CKF2647
1	XTS5000	Yes	721CKF2649
1	XTS5000	Yes	721CKF2650
1	XTS5000	Yes	721CKF2651
1	XTS5000	Yes	721CKF2652
1	XTS5000	Yes	721CKF2653
1	XTS5000	Yes	721CKF2654
1	XTS5000	Yes	721CKF2655
1	XTS5000	Yes	721CKF2656
1	XTS5000	Yes	721CKF2657
1	XTS5000	Yes	721CKF2658
1	XTS5000	Yes	721CKF2659
1	XTS5000	Yes	721CKF2660
1	XTS5000	Yes	721CKF2661
1	XTS5000	Yes	721CKF2662
1	XTS5000	Yes	721CKF2663
1	XTS5000	Yes	721CKF2664
1	XTS5000	Yes	721CKF2665
1	XTS5000	Yes	721CKF2666
1	XTS5000	Yes	721CKF2667
1	XTS5000	Yes	721CKF2668
1	XTS5000	Yes	721CKF2669
1	XTS5000	Yes	721CKF2670
1	XTS5000	Yes	721CKF2671
1	XTS5000	Yes	721CKF2672
1	XTS5000	Yes	721CKF2673
1	XTS5000	Yes	721CKF2674
1	XTS5000	Yes	721CKF2675
1	XTS5000	Yes	721CKF2676
1	XTS5000	Yes	721CKF2677
1	XTS5000	Yes	721CKF2678
1	XTS5000	Yes	721CKF2679
1	XTS5000	Yes	721CKF2680

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS5000	Yes	Z21CKF2881
1	XTS5000	Yes	Z21CKF2882
1	XTS5000	Yes	Z21CKF2883
1	XTS5000	Yes	Z21CKF2884
1	XTS5000	Yes	Z21CKF2885
1	XTS5000	Yes	Z21CKF2886
1	XTS5000	Yes	Z21CKF2887
1	XTS5000	Yes	Z21CKF2888
1	XTS5000	Yes	Z21CKF2889
1	XTS5000	Yes	Z21CKF2890
1	XTS5000	Yes	Z21CKF2891
1	XTS5000	Yes	Z21CKF2892
1	XTS5000	Yes	Z21CKF2893
1	XTS5000	Yes	Z21CKF2894
1	XTS5000	Yes	Z21CKF2895
1	XTS5000	Yes	Z21CKF2896
1	XTS5000	Yes	Z21CKF2897
1	XTS5000	Yes	Z21CKF2898
1	XTS5000	Yes	Z21CKF2899
1	XTS5000	Yes	Z21CKF2700
1	XTS5000	Yes	Z21CKF2701
1	XTS5000	Yes	Z21CKF2702
1	XTS5000	Yes	Z21CKF2703
1	XTS5000	Yes	Z21CKF2704
1	XTS5000	Yes	Z21CKF2705
1	XTS5000	Yes	Z21CKF2706
1	XTS5000	Yes	Z21CKF2707
1	XTS5000	Yes	Z21CKF2708
1	XTS5000	Yes	Z21CKF2709
1	XTS5000	Yes	Z21CKF2710
1	XTS5000	Yes	Z21CKF2711
1	XTS5000	Yes	Z21CKF2712
1	XTS5000	Yes	Z21CKF2713
1	XTS5000	Yes	Z21CKF2714
1	XTS5000	Yes	Z21CKF2715
1	XTS5000	Yes	Z21CKF2716
1	XTS5000	Yes	Z21CKF2717
1	XTS5000	Yes	Z21CKF2718

ATTACHEMENT Z SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS6000	Yes	721CKE2719
1	XTS6000	Yes	721CKE2720
1	XTS6000	Yes	721CKE2721
1	XTS6000	Yes	721CKE2722
1	XTS6000	Yes	721CKE2723
1	XTS6000	Yes	721CKE2724
1	XTS6000	Yes	721CKE2725
1	XTS6000	Yes	721CKE2726
1	XTS6000	Yes	721CKE2727
1	XTS6000	Yes	721CKE2728
1	XTS6000	Yes	721CKE2729
1	XTS6000	Yes	721CKE2730
1	XTS6000	Yes	721CKE2731
1	XTS6000	Yes	721CKE2732
1	XTS6000	Yes	721CKE2733
1	XTS6000	Yes	721CKE2734
1	XTS6000	Yes	721CKE2735
1	XTS6000	Yes	721CKE2736
1	XTS6000	Yes	721CKE2737
1	XTS6000	Yes	721CKE2738
1	XTS6000	Yes	721CKE2739
1	XTS6000	Yes	721CKE2740
1	XTS6000	Yes	721CKE2741
1	XTS6000	Yes	721CKE2742
1	XTS6000	Yes	721CKE2743
1	XTS6000	Yes	721CKE2744
1	XTS6000	Yes	721CKE2745
1	XTS6000	Yes	721CKE2746
1	XTS6000	Yes	721CKE2747
1	XTS6000	Yes	721CKE2748
1	XTS6000	Yes	721CKE2749
1	XTS6000	Yes	721CKE2750
1	XTS6000	Yes	721CKE2751
1	XTS6000	Yes	721CKE2752
1	XTS6000	Yes	721CKE2753
1	XTS6000	Yes	721CKE2754
1	XTS6000	Yes	721CKE2755
1	XTS6000	Yes	721CKE2756

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS5000	Yes	Z21CKF2757
1	XTS5000	Yes	Z21CKF2758
1	XTS5000	Yes	Z21CKF2759
1	XTS5000	Yes	Z21CKF2780
1	XTS5000	Yes	Z21CKF2761
1	XTS5000	Yes	Z21CKF2762
1	XTS5000	Yes	Z21CKF2763
1	XTS5000	Yes	Z21CKF2764
1	XTS5000	Yes	Z21CKF2765
1	XTS5000	Yes	Z21CKF2766
1	XTS5000	Yes	Z21CKF2767
1	XTS5000	Yes	Z21CKF2768
1	XTS5000	Yes	Z21CKF2769
1	XTS5000	Yes	Z21CKF2770
1	XTS5000	Yes	Z21CKF2771
1	XTS5000	Yes	Z21CKF2772
1	XTS5000	Yes	Z21CKF2773
1	XTS5000	Yes	Z21CKF2774
1	XTS5000	Yes	Z21CKF2775
1	XTS5000	Yes	Z21CKF2776
1	XTS5000	Yes	Z21CKF2777
1	XTS5000	Yes	Z21CKF2778
1	XTS5000	Yes	Z21CKF2779
1	XTS5000	Yes	Z21CKF2780
1	XTS5000	Yes	Z21CKF2781
1	XTS5000	Yes	Z21CKF2782
1	XTS5000	Yes	Z21CKF2783
1	XTS5000	Yes	Z21CKF2784
1	XTS5000	Yes	Z21CKF2785
1006			

1006 XTS5000 Total Listed for Inventory

1	XTS1500	Yes	687CJP2294
1	XTS1500	Yes	687CJP1087
1	XTS1500	Yes	687CJP1088
1	XTS1500	Yes	687CJT4247

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS1500	Yes	687CJZ6109
1	XTS1500	Yes	687CKP0793
1	XTS1500	Yes	687CKP0794
1	XTS1500	Yes	687CKP0795
1	XTS1500	Yes	687CKP0796
1	XTS1500	Yes	687CKP0797
1	XTS1500	Yes	687CKP0798
1	XTS1500	Yes	687CKP0799
1	XTS1500	Yes	687CKP0800
1	XTS1500	Yes	687CKP0801
1	XTS1500	Yes	687CKP0802
1	XTS1500	Yes	687CKP0803
1	XTS1500	Yes	687CKP0804
1	XTS1500	Yes	687CKP0805
1	XTS1500	Yes	687CKP0806
1	XTS1500	Yes	687CKP0807
1	XTS1500	Yes	687CKP0808
1	XTS1500	Yes	687CKP0809
1	XTS1500	Yes	687CKP0810
1	XTS1500	Yes	687CKP0811
1	XTS1500	Yes	687CKP0812
1	XTS1500	Yes	687CKP0813
1	XTS1500	Yes	687CKP0814
1	XTS1500	Yes	687CKP0815
1	XTS1500	Yes	687CKP0816
1	XTS1500	Yes	687CKP0817
1	XTS1500	Yes	687CKP0818
1	XTS1500	Yes	687CKP0819
1	XTS1500	Yes	687CKP0820
1	XTS1500	Yes	687CKP0821
1	XTS1500	Yes	687CKP0822
1	XTS1500	Yes	687CKP0823
1	XTS1500	Yes	687CKP0824
1	XTS1500	Yes	687CKP0825
1	XTS1500	Yes	687CKP0826
1	XTS1500	Yes	687CKP0827
1	XTS1500	Yes	687CKP0828
1	XTS1500	Yes	687CKP0829

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS1500	Yes	687CKP0830
1	XTS1500	Yes	687CKP0831
1	XTS1500	Yes	687CKP0832
1	XTS1500	Yes	687CKP0833
1	XTS1500	Yes	687CKP0834
1	XTS1500	Yes	687CKP0835
1	XTS1500	Yes	687CKP0836
1	XTS1500	Yes	687CKP0837
1	XTS1500	Yes	687CKP0838
1	XTS1500	Yes	687CKP0839
1	XTS1500	Yes	687CKP0840
1	XTS1500	Yes	687CKP0841
1	XTS1500	Yes	687CKP0842
1	XTS1500	Yes	687CKP0843
1	XTS1500	Yes	687CKP0844
1	XTS1500	Yes	687CKP0845
1	XTS1500	Yes	687CKP0846
1	XTS1500	Yes	687CKP0847
1	XTS1500	Yes	687CKP0848
1	XTS1500	Yes	687CKP0849
1	XTS1500	Yes	687CKT0629
1	XTS1500	Yes	687CKP0851
1	XTS1500	Yes	687CKP0853
1	XTS1500	Yes	687CKP0854
1	XTS1500	Yes	687CKP0855
1	XTS1500	Yes	687CKT3012
1	XTS1500	Yes	687CKP0857
1	XTS1500	Yes	687CKP0858
1	XTS1500	Yes	687CKP0859
1	XTS1500	Yes	687CKP0860
1	XTS1500	Yes	687CKP0861
1	XTS1500	Yes	687CKP0862
1	XTS1500	Yes	687CKP0863
1	XTS1500	Yes	687CKP0864
1	XTS1500	Yes	687CKP0865
1	XTS1500	Yes	687CKP0866
1	XTS1500	Yes	687CKP0867
1	XTS1500	Yes	687CKP0868

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS1500	Yes	687CKP0870
1	XTS1500	Yes	687CKP0871
1	XTS1500	Yes	687CKP0872
1	XTS1500	Yes	687CKP0873
1	XTS1500	Yes	687CKP0874
1	XTS1500	Yes	687CKP0876
1	XTS1500	Yes	687CKP0877
1	XTS1500	Yes	687CKP0878
1	XTS1500	Yes	687CKP0879
1	XTS1500	Yes	687CKP0880
1	XTS1500	Yes	687CKP0881
1	XTS1500	Yes	687CKP0882
1	XTS1500	Yes	687CKP0883
1	XTS1500	Yes	687CKP0884
1	XTS1500	Yes	687CKP0885
1	XTS1500	Yes	687CKP0886
1	XTS1500	Yes	687CKP0887
1	XTS1500	Yes	687CKP0888
1	XTS1500	Yes	687CKP0889
1	XTS1500	Yes	687CKP0890
1	XTS1500	Yes	687CKP0891
1	XTS1500	Yes	687CKP0892
1	XTS1500	Yes	687CKP0893
1	XTS1500	Yes	687CKP0894
1	XTS1500	Yes	687CKP0895
1	XTS1500	Yes	687CKP0896
1	XTS1500	Yes	687CKP0897
1	XTS1500	Yes	687CKP0898
1	XTS1500	Yes	687CKP0899
1	XTS1500	Yes	687CKP0900
1	XTS1500	Yes	687CKP0901
1	XTS1500	Yes	687CKP0902
1	XTS1500	Yes	687CKP3564
1	XTS1500	Yes	687CKP3565
1	XTS1500	Yes	687CKP3566
1	XTS1500	Yes	687CKT0497
1	XTS1500	Yes	687CKT0499
1	XTS1500	Yes	687CKT0500

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS1500	Yes	687CKT0516
1	XTS1500	Yes	687CKT0517
1	XTS1500	Yes	687CKT0521
1	XTS1500	Yes	687CKT0523
1	XTS1500	Yes	687CKT0524
1	XTS1500	Yes	687CKT0533
1	XTS1500	Yes	687CKT0534
1	XTS1500	Yes	687CKT0535
1	XTS1500	Yes	687CKT0541
1	XTS1500	Yes	687CKT0546
1	XTS1500	Yes	687CKT0551
1	XTS1500	Yes	687CKT0552
1	XTS1500	Yes	687CKT0553
1	XTS1500	Yes	687CKT0554
1	XTS1500	Yes	687CKT0569
1	XTS1500	Yes	687CKT0573
1	XTS1500	Yes	687CKT0574
1	XTS1500	Yes	687CKT0575
1	XTS1500	Yes	687CKT0576
1	XTS1500	Yes	687CKT0578
1	XTS1500	Yes	687CKT0579
1	XTS1500	Yes	687CKT0583
1	XTS1500	Yes	687CKT0584
1	XTS1500	Yes	687CKT0585
1	XTS1500	Yes	687CKT0586
1	XTS1500	Yes	687CKT0587
1	XTS1500	Yes	687CKT0588
1	XTS1500	Yes	687CKT0589
1	XTS1500	Yes	687CKT0590
1	XTS1500	Yes	687CKT0592
1	XTS1500	Yes	687CKT0593
1	XTS1500	Yes	687CKT0594
1	XTS1500	Yes	687CKT0598
1	XTS1500	Yes	687CKT0602
1	XTS1500	Yes	687CKT0603
1	XTS1500	Yes	687CKT0604
1	XTS1500	Yes	687CKT0605
1	XTS1500	Yes	687CKT0607

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS1500	Yes	687CKT0608
1	XTS1500	Yes	687CKT0609
1	XTS1500	Yes	687CKT0610
1	XTS1500	Yes	687CKT0611
1	XTS1500	Yes	687CKT0612
1	XTS1500	Yes	687CKT0613
1	XTS1500	Yes	687CKT0614
1	XTS1500	Yes	687CKT0615
1	XTS1500	Yes	687CKT0616
1	XTS1500	Yes	687CKT0617
1	XTS1500	Yes	687CKT0618
1	XTS1500	Yes	687CKT0619
1	XTS1500	Yes	687CKT0620
1	XTS1500	Yes	687CKT0621
1	XTS1500	Yes	687CKT0622
1	XTS1500	Yes	687CKT0623
1	XTS1500	Yes	687CKT0624
1	XTS1500	Yes	687CKT0625
1	XTS1500	Yes	687CKT0627
1	XTS1500	Yes	687CKT0628
1	XTS1500	Yes	687CKT0630
1	XTS1500	Yes	687CKT0631
1	XTS1500	Yes	687CKT0632
1	XTS1500	Yes	687CKT0633
1	XTS1500	Yes	687CKT0634
1	XTS1500	Yes	687CKT2988
1	XTS1500	Yes	687CKT2989
1	XTS1500	Yes	687CKT2990
1	XTS1500	Yes	687CKT2991
1	XTS1500	Yes	687CKT2992
1	XTS1500	Yes	687CKT2993
1	XTS1500	Yes	687CKT2994
1	XTS1500	Yes	687CKT2998
1	XTS1500	Yes	687CKT3000
1	XTS1500	Yes	687CKT3001
1	XTS1500	Yes	687CKT3002
1	XTS1500	Yes	687CKT3003
1	XTS1500	Yes	687CKT3004

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS1500	Yes	687CKT3007
1	XTS1500	Yes	687CKT3008
1	XTS1500	Yes	687CKT3009
1	XTS1500	Yes	687CKT3010
1	XTS1500	Yes	687CKT3011
1	XTS1500	Yes	687CKT3013
1	XTS1500	Yes	687CKT3015
1	XTS1500	Yes	687CKT3016
1	XTS1500	Yes	687CKT3021
1	XTS1500	Yes	687CKV0015
1	XTS1500	Yes	687CKV0016
1	XTS1500	Yes	687CKV0017
1	XTS1500	Yes	687CKV0018
1	XTS1500	Yes	687CKV0020
1	XTS1500	Yes	687CKV0021
1	XTS1500	Yes	687CKV0022
1	XTS1500	Yes	687CKV0023
1	XTS1500	Yes	687CKV0024
1	XTS1500	Yes	687CKV0025
1	XTS1500	Yes	687CKV0026
1	XTS1500	Yes	687CKV0027
1	XTS1500	Yes	687CKV0028
1	XTS1500	Yes	687CKV0029
1	XTS1500	Yes	687CKV0030
1	XTS1500	Yes	687CKV0031
1	XTS1500	Yes	687CKV0032
1	XTS1500	Yes	687CKV0033
1	XTS1500	Yes	687CKV0034
1	XTS1500	Yes	687CKV0035
1	XTS1500	Yes	687CKV0036
1	XTS1500	Yes	687CKV0037
1	XTS1500	Yes	687CKV0038
1	XTS1500	Yes	687CKV0039
1	XTS1500	Yes	687CKV0040
1	XTS1500	Yes	687CKV0041
1	XTS1500	Yes	687CKV0042
1	XTS1500	Yes	687CKV0043
1	XTS1500	Yes	687CKV0044

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS1500	Yes	687CKV0045
1	XTS1500	Yes	687CKV0046
1	XTS1500	Yes	687CKV0047
1	XTS1500	Yes	687CKV0048
1	XTS1500	Yes	687CKV0049
1	XTS1500	Yes	687CKV0050
1	XTS1500	Yes	687CKV0051
1	XTS1500	Yes	687CKV0052
1	XTS1500	Yes	687CKV0053
1	XTS1500	Yes	687CKV0054
1	XTS1500	Yes	687CKV0055
1	XTS1500	Yes	687CKV0056
1	XTS1500	Yes	687CKV0057
1	XTS1500	Yes	687CKV0058
1	XTS1500	Yes	687CKV0059
1	XTS1500	Yes	687CKV0060
1	XTS1500	Yes	687CKV0061
1	XTS1500	Yes	687CKV0062
1	XTS1500	Yes	687CKV0063
1	XTS1500	Yes	687CKV0064
1	XTS1500	Yes	687CKV0065
1	XTS1500	Yes	687CKV0066
1	XTS1500	Yes	687CKV0067
1	XTS1500	Yes	687CKV0068
1	XTS1500	Yes	687CKV0069
1	XTS1500	Yes	687CKV0070
1	XTS1500	Yes	687CKV0071
1	XTS1500	Yes	687CKV0072
1	XTS1500	Yes	687CKV0073
1	XTS1500	Yes	687CKV0074
1	XTS1500	Yes	687CKV0075
1	XTS1500	Yes	687CKV0076
1	XTS1500	Yes	687CKV0077
1	XTS1500	Yes	687CKV0078
1	XTS1500	Yes	687CKV0079
1	XTS1500	Yes	687CKV0080
1	XTS1500	Yes	687CKV0081
1	XTS1500	Yes	687CKV0082

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS1500	Yes	687CKV0083
1	XTS1500	Yes	687CKV0084
1	XTS1500	Yes	687CKV0085
1	XTS1500	Yes	687CKV0086
1	XTS1500	Yes	687CKV0087
1	XTS1500	Yes	687CKV0088
1	XTS1500	Yes	687CKV0089
1	XTS1500	Yes	687CKV0091
1	XTS1500	Yes	687CKV0092
1	XTS1500	Yes	687CKV0093
1	XTS1500	Yes	687CKV0094
1	XTS1500	Yes	687CKV0095
1	XTS1500	Yes	687CKV0096
1	XTS1500	Yes	687CKV0097
1	XTS1500	Yes	687CKV0098
1	XTS1500	Yes	687CKV0099
1	XTS1500	Yes	687CKV0100
1	XTS1500	Yes	687CKV0101
1	XTS1500	Yes	687CKV0102
1	XTS1500	Yes	687CKV0103
1	XTS1500	Yes	687CKV0104
1	XTS1500	Yes	687CKV0105
1	XTS1500	Yes	687CKV0106
1	XTS1500	Yes	687CKV0107
1	XTS1500	Yes	687CKV0108
1	XTS1500	Yes	687CKV0109
1	XTS1500	Yes	687CKV0110
1	XTS1500	Yes	687CKV0111
1	XTS1500	Yes	687GAW7743
1	XTS1500	Yes	687GSS336
1	XTS1500	Yes	687GSS337
1	XTS1500	Yes	687GSS343
1	XTS1500	Yes	687GSS344
1	XTS1500	Yes	687GSS346
1	XTS1500	Yes	687GSS350
1	XTS1500	Yes	687GQ2617
1	XTS1500	Yes	687GQ2618
1	XTS1500	Yes	687GQ2619

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS1500	Yes	687T6Q2620
1	XTS1500	Yes	687T6Q2621
1	XTS1500	Yes	687T6Q2622
1	XTS1500	Yes	687T6Q2625
1	XTS1500	Yes	687T6Q2627
1	XTS1500	Yes	687T6Q2629
1	XTS1500	Yes	687T6Q2631
1	XTS1500	Yes	687T6Q2642
1	XTS1500	Yes	687T6Q2643
1	XTS1500	Yes	687T6Q2678
1	XTS1500	Yes	687T6Q2681
1	XTS1500	Yes	687T6Q2682
1	XTS1500	Yes	687T6Q2683
1	XTS1500	Yes	687T6Q2684
1	XTS1500	Yes	687T6Q2685
1	XTS1500	Yes	687T6Q2686
1	XTS1500	Yes	687T6Q2687
1	XTS1500	Yes	687T6Q2688
1	XTS1500	Yes	687T6Q2690
1	XTS1500	Yes	687T6Q2692
1	XTS1500	Yes	687T6Q2693
1	XTS1500	Yes	687T6Q2694
1	XTS1500	Yes	687T6Q2695
1	XTS1500	Yes	687T6Q2696
1	XTS1500	Yes	687T6Q2697
1	XTS1500	Yes	687T6Q2699
1	XTS1500	Yes	687T6Q3121
1	XTS1500	Yes	687T6S3939
336			

336 XTS1500 Total Listed for Inventory

1	XTS2500	YES	209CKP0748
1	XTS2500	YES	209CKP0749
1	XTS2500	YES	209CKP0750
1	XTS2500	YES	209CKP0752
1	XTS2500	YES	209CKP0753

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS2500	YES	205CKP0754
1	XTS2500	YES	205CKP0755
1	XTS2500	YES	205CKP0756
1	XTS2500	YES	205CKP0757
1	XTS2500	YES	205CKP0758
1	XTS2500	YES	205CKP0759
1	XTS2500	YES	205CKP0760
1	XTS2500	YES	205CKP0761
1	XTS2500	YES	205CKP0762
1	XTS2500	YES	205CKP0763
1	XTS2500	YES	205CKP0764
1	XTS2500	YES	205CKP0765
1	XTS2500	YES	205CKP0766
1	XTS2500	YES	205CKP0767
1	XTS2500	YES	205CKP0768
1	XTS2500	YES	205CKP0769
1	XTS2500	YES	205CKP0770
1	XTS2500	YES	205CKP0771
1	XTS2500	YES	205CKP0772
1	XTS2500	YES	205CKP0773
1	XTS2500	YES	205CKP0774
1	XTS2500	YES	205CKP0775
1	XTS2500	YES	205CKP0776
1	XTS2500	YES	205CKP0778
1	XTS2500	YES	205CKP0779
1	XTS2500	YES	205CKP0780
1	XTS2500	YES	205CKP0781
1	XTS2500	YES	205CKP0782
1	XTS2500	YES	205CKP0783
1	XTS2500	YES	205CKP0784
1	XTS2500	YES	205CKP0785
1	XTS2500	YES	205CKP0786
1	XTS2500	YES	205CKP0787
1	XTS2500	YES	205CKP0788
1	XTS2500	YES	205CKP0789
1	XTS2500	YES	205CKP0790
1	XTS2500	YES	205CKP0791
1	XTS2500	YES	205CKP0792

ATTACHEMENT Z SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTS2500	YES	205CKP0793
1	XTS2500	YES	205CKP0794
1	XTS2500	YES	205CKP0795
1	XTS2500	YES	205CKP0796
1	XTS2500	YES	205CKP0797
1	XTS2500	YES	205CKP0798
1	XTS2500	YES	205CKP0799
1	XTS2500	YES	205CKP0800
1	XTS2500	YES	205CKP0801
1	XTS2500	YES	205CKP0802
1	XTS2500	YES	205CKP0803
1	XTS2500	YES	205CKP0804
1	XTS2500	YES	205CKP0805
1	XTS2500	YES	205CKP0806
1	XTS2500	YES	205CKP0807
1	XTS2500	YES	205CKP0808
1	XTS2500	YES	205CKP0809
1	XTS2500	YES	205CKP0810
1	XTS2500	YES	205CKP0811
1	XTS2500	YES	205CKP0812
1	XTS2500	YES	205CKP0814
1	XTS2500	YES	205CKP0815
1	XTS2500	YES	205CKP0816
1	XTS2500	YES	205CKP0817
1	XTS2500	YES	205CKP0818
1	XTS2500	YES	205CKP0819
1	XTS2500	YES	205CKP0820
1	XTS2500	YES	205CKP0821
1	XTS2500	YES	205CKP0822
1	XTS2500	YES	205CKP0823
1	XTS2500	YES	205CKP0824
1	XTS2500	YES	205CKP0825
1	XTS2500	YES	205CKP0826
1	XTS2500	YES	205CKP0827
1	XTS2500	YES	205CKP0828
1	XTS2500	YES	205CKP0830
1	XTS2500	YES	205CKP0831
1	XTS2500	YES	205CKP0832

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS2500	YES	205CKP0833
1	XTS2500	YES	205CKP0834
1	XTS2500	YES	205CKP0835
1	XTS2500	YES	205CKP0836
1	XTS2500	YES	205CKP0837
1	XTS2500	YES	205CKP0838
1	XTS2500	YES	205CKP0839
1	XTS2500	YES	205CKP0840
1	XTS2500	YES	205CKP0841
1	XTS2500	YES	205CKP0842
1	XTS2500	YES	205CKP0843
1	XTS2500	YES	205CKP0844
1	XTS2500	YES	205CKP0845
1	XTS2500	YES	205CKP0846
1	XTS2500	YES	205CKP0847
1	XTS2500	YES	270CKP0005
1	XTS2500	YES	270CKP0006
1	XTS2500	YES	270CKP0007
1	XTS2500	YES	270CKP0008
1	XTS2500	YES	270CKP0009
1	XTS2500	YES	270CKP0010
1	XTS2500	YES	270CKP0011
1	XTS2500	YES	270CKP0012
1	XTS2500	YES	270CKP0013
1	XTS2500	YES	270CKP0014
1	XTS2500	YES	270CKZ3559
1	XTS2500	YES	270CKZ3623
1	XTS2500	YES	270CKZ3624
1	XTS2500	YES	270CKZ3625
1	XTS2500	YES	270CKZ3626
1	XTS2500	YES	270CKZ3628
1	XTS2500	YES	270CKZ3629
1	XTS2500	YES	270CKZ3630
1	XTS2500	YES	270CKZ3631
1	XTS2500	YES	270CKZ3632
1	XTS2500	YES	270CKZ3633
1	XTS2500	YES	270CKZ3643
1	XTS2500	YES	270CKZ3654

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS2500	YES	270CKZ3855
1	XTS2500	YES	270CKZ3857
1	XTS2500	YES	270CKZ3858
1	XTS2500	YES	270CKZ3859
1	XTS2500	YES	270CKZ3860
1	XTS2500	YES	270CKZ3861
1	XTS2500	YES	270CKZ3862
1	XTS2500	YES	270CKZ3863
1	XTS2500	YES	270CKZ3864
1	XTS2500	YES	270CKZ3865
1	XTS2500	YES	270CKZ3866
1	XTS2500	YES	270CKZ3867
1	XTS2500	YES	270CKZ3868
1	XTS2500	YES	270CKZ3869
1	XTS2500	YES	270CKZ3870
1	XTS2500	YES	270CKZ3871
1	XTS2500	YES	270CKZ3872
1	XTS2500	YES	270CKZ3873
1	XTS2500	YES	270CKZ3874
1	XTS2500	YES	270CKZ3875
1	XTS2500	YES	270CKZ3876
1	XTS2500	YES	270CKZ3877
1	XTS2500	YES	270CKZ3878
1	XTS2500	YES	270CKZ3879
1	XTS2500	YES	270CKZ3880
1	XTS2500	YES	270CKZ3881
145			

1	XTS2500	YES	205CMF1325
1	XTS2500	YES	205CMF1326
1	XTS2500	YES	205CMF1327
1	XTS2500	YES	205CMF1328
1	XTS2500	YES	205CMF1329
1	XTS2500	YES	205CMF1330
1	XTS2500	YES	205CMF1331
1	XTS2500	YES	205CMF1332
1	XTS2500	YES	205CMF1333
1	XTS2500	YES	205CMF1334

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTS2500	YES	205CMF1335
1	XTS2500	YES	205CMF1336
1	XTS2500	YES	205CMF1337
1	XTS2500	YES	205CMF1338
1	XTS2500	YES	205CMF1339
1	XTS2500	YES	205CMF1340
1	XTS2500	YES	205CMF1341
1	XTS2500	YES	205CMF1342
1	XTS2500	YES	205CMF1343
1	XTS2500	YES	205CMF1344
1	XTS2500	YES	205CMF1345
1	XTS2500	YES	205CMF1346
1	XTS2500	YES	205CMF1347
1	XTS2500	YES	205CMF1348
1	XTS2500	YES	205CMF1349
1	XTS2500	YES	205CMF1350
1	XTS2500	YES	205CMF1352
1	XTS2500	YES	205CMF1353
1	XTS2500	YES	205CMF1354
1	XTS2500	YES	205CMF1355
1	XTS2500	YES	205CMF1356
1	XTS2500	YES	205CMF1357
1	XTS2500	YES	205CMF1358
1	XTS2500	YES	205CMF1359
1	XTS2500	YES	205CMF1370
1	XTS2500	YES	205CMF1371
1	XTS2500	YES	205CMF1372
1	XTS2500	YES	205CMF1373
1	XTS2500	YES	205CMF1374
1	XTS2500	YES	205CMF1375
1	XTS2500	YES	205CMF1376
1	XTS2500	YES	205CMF1377
1	XTS2500	YES	205CMF1378
43			

188 XTS2500 Total Listed for Inventory

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
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1	XTL5000 Consoletes	Yes	276CGB0011
1	XTL5000 Consoletes	Yes	276CGB0012
1	XTL5000 Consoletes	Yes	276CGB0013
1	XTL5000 Consoletes	Yes	276CSB0014
1	XTL5000 Consoletes	Yes	276CSB0015
1	XTL5000 Consoletes	Yes	276CKF0039
1	XTL5000 Consoletes	Yes	276CKF0045
1	XTL5000 Consoletes	Yes	276CKF0046
1	XTL5000 Consoletes	Yes	276CKF0047
1	XTL5000 Consoletes	Yes	276CKF0048
1	XTL5000 Consoletes	Yes	276CKF0049
1	XTL5000 Consoletes	Yes	276CKX0658
1	XTL5000 Consoletes	Yes	276CKX0659
1	XTL5000 Consoletes	Yes	276CKX0660
1	XTL5000 Consoletes	Yes	276CKX0661
1	XTL5000 Consoletes	Yes	276CKX0662
1	XTL5000 Consoletes	Yes	276CKX0663
1	XTL5000 Consoletes	Yes	276CKX0664
1	XTL5000 Consoletes	Yes	276CKX0665
1	XTL5000 Consoletes	Yes	276CKX0666
1	XTL5000 Consoletes	Yes	276CKX0667
1	XTL5000 Consoletes	Yes	276CKX0668
22			

22 XTL5000 Consoletes Total Listed for Inventory

Qty	Model Name	Repair Support	Deleted from contract per Tim Edkin
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0	XTL2500 Control Stations	Yes	
1	MT1500	Yes	6877FQ1142
1	MT1500	Yes	6877FQ1158
1	MT1500	Yes	6877FQ1185
1	MT1500	Yes	6877FQ1191

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	MT1500	Yes	687FEQ1195
1	MT1500	Yes	687FEQ1196
1	MT1500	Yes	687FEQ1197
1	MT1500	Yes	687FEQ1198
1	MT1500	Yes	687FEQ1199
1	MT1500	Yes	687FEQ1202
1	MT1500	Yes	687FEQ1204
1	MT1500	Yes	687FEQ1205
1	MT1500	Yes	687FEQ1206
1	MT1500	Yes	687FEQ1208
1	MT1500	Yes	687FEQ1209
1	MT1500	Yes	687FEQ1210
1	MT1500	Yes	687FEQ1223
1	MT1500	Yes	687FES0756
1	MT1500	Yes	687FES0793
1	MT1500	Yes	687FEU0275
1	MT1500	Yes	687FEU0282
1	MT1500	Yes	687FEU0283
1	MT1500	Yes	687FEU0357
1	MT1500	Yes	687FEU0361
1	MT1500	Yes	687FEU0364
1	MT1500	Yes	687FEV3784
1	MT1500	Yes	687FEV3791
1	MT1500	Yes	687FEV3792
1	MT1500	Yes	687FEV3793
1	MT1500	Yes	687FEV3794
1	MT1500	Yes	687FEV3795
1	MT1500	Yes	687FEV3821
1	MT1500	Yes	687FEV3822
1	MT1500	Yes	687FEV3823
1	MT1500	Yes	687FEV3824
1	MT1500	Yes	687FEV3825
1	MT1500	Yes	687FEV3828
1	MT1500	Yes	687FEV3830
1	MT1500	Yes	687FEV4148
1	MT1500	Yes	687FEV4156

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ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
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41 MT1500 Total Listed for Inventory

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL1500	Yes	serial: 775TGA1205
1	XTL1500	Yes	serial: 775CKZ1316
1	XTL1500	Yes	serial: 775CKZ1829
1	XTL1500	Yes	serial: 775CKZ1830
1	XTL1500	Yes	serial: 775THY0192
1	XTL1500	Yes	serial: 775THY2322
6			

6 XTL1500 Total Listed for Inventory

1	XTL2500	Yes	624CKR0104
1	XTL2500	Yes	624CKR0363
1	XTL2500	Yes	624CKR0364
1	XTL2500	Yes	624CKR0365
1	XTL2500	Yes	624CKR0366
1	XTL2500	Yes	624CKR0367
1	XTL2500	Yes	624CKR0368
1	XTL2500	Yes	624CKR0369
1	XTL2500	Yes	624CKR0370
1	XTL2500	Yes	624CKR0371
1	XTL2500	Yes	624CKR0372
1	XTL2500	Yes	624CKR0373
1	XTL2500	Yes	624CKR0374
1	XTL2500	Yes	624CKR0375
1	XTL2500	Yes	624CKR0376
1	XTL2500	Yes	624CKR0377
1	XTL2500	Yes	624CKR0378
1	XTL2500	Yes	624CKR0379
1	XTL2500	Yes	624CKR0380
1	XTL2500	Yes	624CKR0381
1	XTL2500	Yes	624CKR0382
1	XTL2500	Yes	624CKR0383
1	XTL2500	Yes	624CKR0384
1	XTL2500	Yes	624CKR0385
1	XTL2500	Yes	624CKR0386
1	XTL2500	Yes	624CKR0387
1	XTL2500	Yes	624CKR0388

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTL2500	Yes	624CKR0389
1	XTL2500	Yes	624CKR0390
1	XTL2500	Yes	624CKR0391
1	XTL2500	Yes	624CKR0392
1	XTL2500	Yes	624CKR0393
1	XTL2500	Yes	624CKR0394
1	XTL2500	Yes	624CKR0395
1	XTL2500	Yes	624CKR0396
1	XTL2500	Yes	624CKR0397
1	XTL2500	Yes	624CKR0398
1	XTL2500	Yes	624CKR0399
1	XTL2500	Yes	624CKR0400
1	XTL2500	Yes	624CKR0401
1	XTL2500	Yes	624CKR0402
1	XTL2500	Yes	624CKR0403
1	XTL2500	Yes	624CKR0404
1	XTL2500	Yes	624CKR0405
1	XTL2500	Yes	624CKR0406
1	XTL2500	Yes	624CKR0407
1	XTL2500	Yes	624CKR0408
1	XTL2500	Yes	624CKR0409
1	XTL2500	Yes	624CKR0410
1	XTL2500	Yes	624CKR0411
1	XTL2500	Yes	624CKR0421
1	XTL2500	Yes	624CKR0422
1	XTL2500	Yes	624CKR0423
1	XTL2500	Yes	624CKR0424
1	XTL2500	Yes	624CKR0425
1	XTL2500	Yes	624CKR0426
1	XTL2500	Yes	624CKR0427
1	XTL2500	Yes	624CKR0428
1	XTL2500	Yes	624CKR0429
1	XTL2500	Yes	624CKR0430
1	XTL2500	Yes	624CKR0431
1	XTL2500	Yes	624CKR0432
1	XTL2500	Yes	624CKR0433
1	XTL2500	Yes	624CKR0434
1	XTL2500	Yes	624CKR0435
1	XTL2500	Yes	624CKR0436

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKR0437
1	XTL2500	Yes	624CKR0438
1	XTL2500	Yes	624CKR0439
1	XTL2500	Yes	624CKR0440
1	XTL2500	Yes	624CKR0441
1	XTL2500	Yes	624CKR0442
1	XTL2500	Yes	624CKR0443
1	XTL2500	Yes	624CKR0444
1	XTL2500	Yes	624CKR0445
1	XTL2500	Yes	624CKR0446
1	XTL2500	Yes	624CKR0447
1	XTL2500	Yes	624CKR0448
1	XTL2500	Yes	624CKR0449
1	XTL2500	Yes	624CKR0450
1	XTL2500	Yes	624CKR0451
1	XTL2500	Yes	624CKR0452
1	XTL2500	Yes	624CKR0453
1	XTL2500	Yes	624CKR0454
1	XTL2500	Yes	624CKR0455
1	XTL2500	Yes	624CKR0456
1	XTL2500	Yes	624CKR0457
1	XTL2500	Yes	624CKR0458
1	XTL2500	Yes	624CKR0459
1	XTL2500	Yes	624CKR0460
1	XTL2500	Yes	624CKR0461

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKT0462
1	XTL2500	Yes	624CKT0463
1	XTL2500	Yes	624CKT0464
1	XTL2500	Yes	624CKT0465
1	XTL2500	Yes	624CKT0466
1	XTL2500	Yes	624CKT0467
1	XTL2500	Yes	624CKT0468
1	XTL2500	Yes	624CKT0469
1	XTL2500	Yes	624CKT0470
1	XTL2500	Yes	624CKT0471
1	XTL2500	Yes	624CKT0472
1	XTL2500	Yes	624CKT0473
1	XTL2500	Yes	624CKT0474
1	XTL2500	Yes	624CKT0475
1	XTL2500	Yes	624CKT0476
1	XTL2500	Yes	624CKT0477
1	XTL2500	Yes	624CKT0478
1	XTL2500	Yes	624CKT0479
1	XTL2500	Yes	624CKT0480
1	XTL2500	Yes	624CKT0481
1	XTL2500	Yes	624CKT0482
1	XTL2500	Yes	624CKT0483
1	XTL2500	Yes	624CKT0484
1	XTL2500	Yes	624CKT0485
1	XTL2500	Yes	624CKT0486
1	XTL2500	Yes	624CKT0487
1	XTL2500	Yes	624CKT0488
1	XTL2500	Yes	624CKT0489
1	XTL2500	Yes	624CKT0490
1	XTL2500	Yes	624CKT0491
1	XTL2500	Yes	624CKT0492
1	XTL2500	Yes	624CKT0493
1	XTL2500	Yes	624CKT0494
1	XTL2500	Yes	624CKT0495
1	XTL2500	Yes	624CKT0496
1	XTL2500	Yes	624CKT0497
1	XTL2500	Yes	624CKT0498
1	XTL2500	Yes	624CKT0499

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTL2500	Yes	624CKT0500
1	XTL2500	Yes	624CKT0501
1	XTL2500	Yes	624CKT0502
1	XTL2500	Yes	624CKT0503
1	XTL2500	Yes	624CKT0504
1	XTL2500	Yes	624CKT0520
1	XTL2500	Yes	624CKT0525
1	XTL2500	Yes	624CKT0534
1	XTL2500	Yes	624CKT0555
1	XTL2500	Yes	624CKT0556
1	XTL2500	Yes	624CKT0557
1	XTL2500	Yes	624CKT0558
1	XTL2500	Yes	624CKT0559
1	XTL2500	Yes	624CKT0560
1	XTL2500	Yes	624CKT0561
1	XTL2500	Yes	624CKT0562
1	XTL2500	Yes	624CKT0563
1	XTL2500	Yes	624CKT0564
1	XTL2500	Yes	624CKT0565
1	XTL2500	Yes	624CKT0566
1	XTL2500	Yes	624CKT0567
1	XTL2500	Yes	624CKT0588
1	XTL2500	Yes	624CKT0589
1	XTL2500	Yes	624CKT0570
1	XTL2500	Yes	624CKT0571
1	XTL2500	Yes	624CKT0572
1	XTL2500	Yes	624CKT0573
1	XTL2500	Yes	624CKT0574
1	XTL2500	Yes	624CKT0575
1	XTL2500	Yes	624CKT0576
1	XTL2500	Yes	624CKT0577
1	XTL2500	Yes	624CKT0578
1	XTL2500	Yes	624CKT0580
1	XTL2500	Yes	624CKT0581
1	XTL2500	Yes	624CKT0582
1	XTL2500	Yes	624CKT0583
1	XTL2500	Yes	624CKT0584
1	XTL2500	Yes	624CKT0595

ATTACHEMENT Z SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKT0586
1	XTL2500	Yes	624CKT0587
1	XTL2500	Yes	624CKT0588
1	XTL2500	Yes	624CKT0589
1	XTL2500	Yes	624CKT0590
1	XTL2500	Yes	624CKT0591
1	XTL2500	Yes	624CKT0592
1	XTL2500	Yes	624CKT0593
1	XTL2500	Yes	624CKT0594
1	XTL2500	Yes	624CKT0595
1	XTL2500	Yes	624CKT0596
1	XTL2500	Yes	624CKT0597
1	XTL2500	Yes	624CKT0598
1	XTL2500	Yes	624CKT0599
1	XTL2500	Yes	624CKT0600
1	XTL2500	Yes	624CKT0601
1	XTL2500	Yes	624CKT0602
1	XTL2500	Yes	624CKT0603
1	XTL2500	Yes	624CKT0604
1	XTL2500	Yes	624CKT0610
1	XTL2500	Yes	624CKV0048
1	XTL2500	Yes	624CKT0630
1	XTL2500	Yes	624CKT0651
1	XTL2500	Yes	624CKV0021
1	XTL2500	Yes	624CKV0022
1	XTL2500	Yes	624CKV0023
1	XTL2500	Yes	624CKV0024
1	XTL2500	Yes	624CKV0025
1	XTL2500	Yes	624CKV0026
1	XTL2500	Yes	624CKV0027
1	XTL2500	Yes	624CKV0028
1	XTL2500	Yes	624CKV0029
1	XTL2500	Yes	624CKV0030
1	XTL2500	Yes	624CKV0031
1	XTL2500	Yes	624CKV0033
1	XTL2500	Yes	624CKV0034
1	XTL2500	Yes	624CKV0035
1	XTL2500	Yes	624CKV0039

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKV0040
1	XTL2500	Yes	624CKV0041
1	XTL2500	Yes	624CKV0042
1	XTL2500	Yes	624CKV0043
1	XTL2500	Yes	624CKV0044
1	XTL2500	Yes	624CKV0045
1	XTL2500	Yes	624CKV0046
1	XTL2500	Yes	624CKV0047
1	XTL2500	Yes	624CKV0049
1	XTL2500	Yes	624CKV0050
1	XTL2500	Yes	624CKV0051
1	XTL2500	Yes	624CKV0052
1	XTL2500	Yes	624CKV0053
1	XTL2500	Yes	624CKV0071
1	XTL2500	Yes	624CKV0072
1	XTL2500	Yes	624CKV0073
1	XTL2500	Yes	624CKV0074
1	XTL2500	Yes	624CKV0075
1	XTL2500	Yes	624CKV0076
1	XTL2500	Yes	624CKV0077
1	XTL2500	Yes	624CKV0078
1	XTL2500	Yes	624CKV0079
1	XTL2500	Yes	624CKV0080
1	XTL2500	Yes	624CKV0081
1	XTL2500	Yes	624CKV0083
1	XTL2500	Yes	624CKV0084
1	XTL2500	Yes	624CKV0085
1	XTL2500	Yes	624CKV0086
1	XTL2500	Yes	624CKV0087
1	XTL2500	Yes	624CKV0088
1	XTL2500	Yes	624CKV0090
1	XTL2500	Yes	624CKV0091
1	XTL2500	Yes	624CKV0092
1	XTL2500	Yes	624CKV0093
1	XTL2500	Yes	624CKZ0225
1	XTL2500	Yes	624CKZ0226
1	XTL2500	Yes	624CKZ0227
1	XTL2500	Yes	624CKZ0228

ATTACHEMENT Z SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKZD228
1	XTL2500	Yes	624CKZ1554
1	XTL2500	Yes	624CKZ1558
1	XTL2500	Yes	624CKZ1581
1	XTL2500	Yes	624CKZ1582
1	XTL2500	Yes	624CKZ1583
1	XTL2500	Yes	624CKZ1586
1	XTL2500	Yes	624CKZ1587
1	XTL2500	Yes	624CKZ1588
1	XTL2500	Yes	624CKZ1589
1	XTL2500	Yes	624CKZ1570
1	XTL2500	Yes	624CKZ1571
1	XTL2500	Yes	624CKZ1576
1	XTL2500	Yes	624CKZ1577
1	XTL2500	Yes	624CKR0468
1	XTL2500	Yes	624CKR0469
1	XTL2500	Yes	624CKR0473
1	XTL2500	Yes	624CKR0474
1	XTL2500	Yes	624CKR0475
1	XTL2500	Yes	624CKR0476
1	XTL2500	Yes	624CKR0477
1	XTL2500	Yes	624CKR0478
1	XTL2500	Yes	624CKR0479
1	XTL2500	Yes	624CKR0480
1	XTL2500	Yes	624CKR0481
1	XTL2500	Yes	624CKR0482
1	XTL2500	Yes	624CKR0483
1	XTL2500	Yes	624CKR0484
1	XTL2500	Yes	624CKR0485
1	XTL2500	Yes	624CKR0486
1	XTL2500	Yes	624CKR0487
1	XTL2500	Yes	624CKV0000
1	XTL2500	Yes	624CKV0001
1	XTL2500	Yes	624CKV0002
1	XTL2500	Yes	624CKV0003
1	XTL2500	Yes	624CKV0004
1	XTL2500	Yes	624CKV0005

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL2500	Yes	624CKV0006
1	XTL2500	Yes	624CKV0007
1	XTL2500	Yes	624CKV0008
1	XTL2500	Yes	624CKV0009
1	XTL2500	Yes	624CKV0010
1	XTL2500	Yes	624CKV0011
1	XTL2500	Yes	624CKV0012
1	XTL2500	Yes	624CKV0013
1	XTL2500	Yes	624CKV0014
1	XTL2500	Yes	624CKV0016
1	XTL2500	Yes	624CKV0017
1	XTL2500	Yes	624CKV0018
1	XTL2500	Yes	624CKV0019
1	XTL2500	Yes	624CKV0020
1	XTL2500	Yes	624CKV0036
1	XTL2500	Yes	624CKV0038

309 XTL2500 Total Listed for Inventory

1	XTL5000 Mobile UHF	Yes	585CFM1005
1	XTL5000 Mobile UHF	Yes	585CFM1006
1	XTL5000 Mobile UHF	Yes	585CFM1007
1	XTL5000 Mobile UHF	Yes	585CFM1008
1	XTL5000 Mobile UHF	Yes	585CFM1009
1	XTL5000 Mobile UHF	Yes	585CFM1010
1	XTL5000 Mobile UHF	Yes	585CFM1016
1	XTL5000 Mobile UHF	Yes	585CFM1017
1	XTL5000 Mobile UHF	Yes	585CFM1018
1	XTL5000 Mobile UHF	Yes	585CFM1019
1	XTL5000 Mobile UHF	Yes	585CFM1021
1	XTL5000 Mobile UHF	Yes	585CGH6056
1	XTL5000 Mobile UHF	Yes	585CGK1902
1	XTL5000 Mobile UHF	Yes	585CGK1903
1	XTL5000 Mobile UHF	Yes	585CGK1904
1	XTL5000 Mobile UHF	Yes	585CGK1905
1	XTL5000 Mobile UHF	Yes	500CHB1288

ATTACHMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	XTL5000 Mobile UHF	Yes	585CKD1602
1	XTL5000 Mobile UHF	Yes	585CKD1603
1	XTL5000 Mobile UHF	Yes	585CKD1604
1	XTL5000 Mobile UHF	Yes	585CKD1605
1	XTL5000 Mobile UHF	Yes	585CKD1606
1	XTL5000 Mobile UHF	Yes	585CKD1607
1	XTL5000 Mobile UHF	Yes	585CGM4832
1	XTL5000 Mobile UHF	Yes	585CGM4833
1	XTL5000 Mobile UHF	Yes	585CGM4834
1	XTL5000 Mobile UHF	Yes	585CGM4835
27			

27 XTL5000 Total Listed for Inventory

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTL5000 Dual Head	Yes	500CFE1011
1	XTL5000 Dual Head	Yes	500CFE1012
1	XTL5000 Dual Head	Yes	500CFE1013
1	XTL5000 Dual Head	Yes	500CFE1014
1	XTL5000 Dual Head	Yes	500CFE1015
1	XTL5000 Dual Head	Yes	500CFE1016
1	XTL5000 Dual Head	Yes	500CGH1440
1	XTL5000 Dual Head	Yes	500CGK1830
1	XTL5000 Dual Head	Yes	500CGK1831
1	XTL5000 Dual Head	Yes	500CGK1832
1	XTL5000 Dual Head	Yes	500CGK1833
1	XTL5000 Dual Head	Yes	500CGM0727
1	XTL5000 Dual Head	Yes	500CGM0728
1	XTL5000 Dual Head	Yes	500CGM0729
1	XTL5000 Dual Head	Yes	500CHT1705
1	XTL5000 Dual Head	Yes	500CHT1706
1	XTL5000 Dual Head	Yes	585CHF4693
1	XTL5000 Dual Head	Yes	500CHF3900
1	XTL5000 Dual Head	Yes	500CHF3901
1	XTL5000 Dual Head	Yes	500CHK1224
1	XTL5000 Dual Head	Yes	500CHK1225
1	XTL5000 Dual Head	Yes	500CHK1226
1	XTL5000 Dual Head	Yes	500CKR1888
1	XTL5000 Dual Head	Yes	500CKR1889
1	XTL5000 Dual Head	Yes	500CKR1890
1	XTL5000 Dual Head	Yes	500CKR1891
1	XTL5000 Dual Head	Yes	500CKR1922
1	XTL5000 Dual Head	Yes	500CKR1933
1	XTL5000 Dual Head	Yes	500CKR1934
1	XTL5000 Dual Head	Yes	500CKR1935
1	XTL5000 Dual Head	Yes	500CKR1995

ATTACHMENT 2 SUBSCRIBER DEPOT LIST
Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/Comments
1	XTL5000 Dual Head	Yes	500CKV0025
1	XTL5000 Dual Head	Yes	500CKV0026
1	XTL5000 Dual Head	Yes	500CKV0027
1	XTL5000 Dual Head	Yes	500CKV0028
1	XTL5000 Dual Head	Yes	500CKV0029
1	XTL5000 Dual Head	Yes	500CKV0030
1	XTL5000 Dual Head	Yes	500CKV0031
1	XTL5000 Dual Head	Yes	500CKV0032
1	XTL5000 Dual Head	Yes	500CKV0033
1	XTL5000 Dual Head	Yes	500CKV0034
1	XTL5000 Dual Head	Yes	500CKV0035
1	XTL5000 Dual Head	Yes	500CKV0036
1	XTL5000 Dual Head	Yes	500CKV0037
1	XTL5000 Dual Head	Yes	500CKV0038
1	XTL5000 Dual Head	Yes	500CKV1050
1	XTL5000 Dual Head	Yes	500CKF0103
1	XTL5000 Dual Head	Yes	500CKB0952
1	XTL5000 Dual Head	Yes	500CKB0953
1	XTL5000 Dual Head	Yes	500CKB0954
1	XTL5000 Dual Head	Yes	500CKB0955
1	XTL5000 Dual Head	Yes	500CKB0956
1	XTL5000 Dual Head	Yes	500CKB0957
1	XTL5000 Dual Head	Yes	585CKF0869
57			

57 XTL5000 Dual Head Total Listed for Inventory

1	XTVA Model N2001A	deleted	256CHF0217
1	XTVA Model N2001A	deleted	256CHF0075
1	XTVA Model N2001A	deleted	256CKF0079
1	XTVA Model N2001A	deleted	256CJT0251
4			

1	CDM1250	Yes	103THY0250
1	CDM1250	Yes	103THY0258
1	CDM1250	Yes	103TLL608

ATTACHEMENT 2 SUBSCRIBER DEPOT LIST

Subscriber Info Effective 10-1-2015

Qty	Model Name	Repair Support	Notes/ Comments
1	CDM1250	Yes	103TJS4081
1	CDM1250	Yes	103TKW3397
1	CDM1250	Yes	103TKW3401
1	CDM1250	Yes	103TKW9521
1	CDM1250	Yes	103TKW9528
1	CDM1250	Yes	103TKW9601
1	CDM1250	Yes	103TKW9602
1	CDM1250	Yes	103TKW9603
1	CDM1250	Yes	103TKW9605
1	CDM1250	Yes	103TKY5445
1	CDM1250	Yes	103TKY5450
1	CDM1250	Yes	103TKY5451
1	CDM1250	Yes	103TKY5452
16			