

Meeting Date
September 20, 2016



AGENDA	
Section	Consent
Item No.	I.C.1

**AGENDA REPORT**  
 BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

SUBJECT:	PERMISSION TO ISSUE OPEN PURCHASE ORDERS (FY 2016/2017) TO APPROVED VENDORS OF RECORD
DEPT/OFFICE:	CENTRAL SERVICES DEPARTMENT/PURCHASING SERVICES

Requested Action:

It is requested the Board:

1. Approve the use of State Contract, cooperative contracts and other agency contracts as vendors of record on the attached list.
2. Approve the use of the attached vendors determined to be the sole source for the products or services indicated.
3. Approve the issuance of blanket purchase orders and authorize the Chairman to execute contracts to those vendors, exceeding \$100,000.
4. Approve competitive action in the event of unforeseen changes to the approved vendors and/or the cooperative purchasing programs.

Summary Explanation & Background:

County Policy BCC-25 requires Board approval to purchase from:

1. Competitive State or other cooperative agreements exceeding \$100,000.
2. Sole source, Single Source and/or Proprietary purchase, which in some cases may be the original equipment manufacturer (OEM) for parts and service compatibility, where purchase exceeds \$100,000.

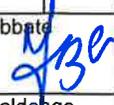
On Sept. 15, 1987, the Board directed vendors of record within these categories be brought to the Board for approval on an annual basis. Approval of this action will eliminate repetitive Board action requesting permission to utilize vendors of record listed. Also to expedite the process, the Assistant County Managers currently have Board authorization to approve utilization of vendors of record listed up to \$50,000 and County Manager up to \$100,000.

On August 9, 2011 the Board approved an Interlocal Agreement to allow participation in a purchasing arrangement now known as the Brevard County Public Entity Purchasing Cooperative. Local Governmental entities within the Brevard County geographic area have entered into an Interlocal Agreement to create a Cooperative Purchasing group. Cooperative purchasing programs contribute to cost savings by taking advantage of volume buying, consolidated bid solicitation and product testing. These programs also facilitate the sharing of information and expertise about commodities and services being procured and often attract more competition and reduce administrative costs.

Continued, Page 2

Clerk to the Board instruction: Return copy to the Department

Exhibits Attached: Vendors/Commodities Listing

Contract /Agreement (If attached): Reviewed by County Attorney		Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	PR	<input type="checkbox"/>
County Manager	Assistant County Manager	Frank Abbate			Department Director / Extension  Teresa Camarata/ext. 5-5492		
Stockton Whitten	Assistant County Manager	Venetta Valdehgo					

SUBJECT: PERMISSION TO ISSUE OPEN PURCHASE ORDERS (FY 2016/2017) EXCEEDING \$100,000 TO APPROVED VENDORS OF RECORD

SUMMARY EXPLANATION & BACKGROUND, CONTINUED

Brevard County also participates in other intergovernmental cooperative purchasing programs through the National Association of State Procurement Officials (NASPO), National Joint Purchasing Allianc (NJPA), Western State Contracting Alliance (WSCA) and U.S. Communities which offer local government's access to nationally solicited contracts that provide significant reductions in price and guaranteed delivery features.

Commodity contracts initiated by the State of Florida promote quality control, continuity and product standardization, which if found defective or unsatisfactory, may be tested by the Florida State Bureau of Testing. The State of Florida bids present a cost savings, as those contracts executed in prior years and extended at the same pricing are not influenced by inflation. Likewise, the State of Florida evaluates each bid to ensure that the continuance of a contract is favorable prior to extension of the agreement. Purchasing Services seeks the best value by optimizing pricing, transaction costs, and processing time through the strategic use of cooperative procurement vehicles.

OEM (Original Equipment Manufacturer) repair and/or parts vendors, or their exclusive authorized representatives, provide service, usually for heavy industrial equipment. Their services are not normally franchised to retailers but retained under the control of the OEM to ensure quality control and equipment reputation. Copies of authorization letters are on file at Purchasing Services. In addition to providing a high level of quality and longevity, use of OEM parts and service providers insures that equipment warranties are not diminished or voided.

Approval of this action will eliminate an estimated fifty additional Board actions granting permission to purchase common items and services from differing agencies.

Fiscal Impact FY 16/17: Estimated annual amounts are based upon historical use. Minimizing administrative costs insures efficient use of available funds and the timely provision of commodities and services. Establishment of costs associated with these commodities/services is allocated to individual agencies funding source. Funds will be encumbered through user initiated blanket purchase orders.

Name: Contact: Leslie Rothering, Purchasing Services  
Phone: x5-6038, [leslie.rothering@brevardcounty.us](mailto:leslie.rothering@brevardcounty.us)



Tammy Rowe, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001  
Fax: (321) 264-6972  
Tammy.Rowe@brevardclerk.us

September 21, 2016

MEMORANDUM

TO: Teresa Camarata, Central Services Director Attn: Leslie Rothering

RE: Item II.C.1., Permission to Issue Open Purchase Orders (Fiscal Year 2016-2017) for Vendors of Record

The Board of County Commissioners, in regular session on September 20, 2016, approved the use of State Contract, Cooperative Contracts, and other agency Contracts as Vendors of Record; approved the use of Vendors determined to be the sole source for the products or services; approved the issuance of Blanket Purchase Orders; authorized the Chairman to execute any contracts to vendor, exceeding \$100,000; and approved the competitive action in the event of unforeseen changes to the approved vendors and/or the cooperative purchasing programs. Enclosed is the Vendors of Record List for FY 2016-2017.

Your continued cooperation is greatly appreciated.

Sincerely yours,

BOARD OF COUNTY COMMISSIONERS  
SCOTT ELLIS, CLERK

Tammy Rowe, Deputy Clerk

/ds

Encl. (1)

cc: Contracts Administration  
Finance  
Budget

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT / EXPIRATION / OTHER	JUSTIFICATION
<b>State Contracts, Cooperative Contracts and other Agency Contracts</b>				
CARPET & FLOOR MATERIALS	\$100,000.00	TANDUS, Bentley Mills, Interface Americas, Mannington Commercial, Masland, Milliken, MOHAWK, SHAW,	02/16/20	STATE OF FLORIDA #52100000-16-ACS
COMPUTER I.T. HARDWARE (DELL)	\$600,000.00	DELL MARKETING L.P.; 7 Other Vendors	03/31/17	(WSCA) 43211500-WSCA-15-ACS MASTER PRICE AGREEMENT; BREVARD COUNTY CONTRACT CODE: WNU05ACA STATE CONTRACT #21100000-15-1
CONSTRUCTION, INDUSTRIAL, AGRICULTURAL, & LAWN EQUIPMENT	\$285,000.00	WESCO TURF SUPPLY FOR TORO PRODUCTS PRIMARY; RING POWER FOR FECON PRODUCTS; JOHN DEERE FOR DEERE PRODUCTS; STIHL FOR STIHL SOUTHEAST; OTHERS LISTED.	06/30/17	
FENCING	\$125,000.00	ALL-RITE, COMMERCIAL FENCE CONTRACTORS, EAST COAST FENCE	03/15/19	SCHOOL BOARD OF BREVARD COUNTY ITB#16-B-069-LU
FIRE EQUIPMENT & SUPPLIES	\$185,000.00	A ONE FIRE, BENNETT, CASKEYS, FISCHER, HALLMARK, HAZARD CONTROL TECH, NAFECO, TEN-8.	06/30/17	LAKE COUNTY CONTRACT 12-0806
FUEL (DIESEL/GAS)	\$4,000,000.00	GLOVER OIL	06/10/17	COOPERATIVE BID, SCHOOL BOARD 14-085-DR
FURNITURE-OFFICE AND FILES (Steel Case Inc.)	\$100,000.00	AMERICAN BUSINESS INTERIORS (PRIMARY VENDOR UTILIZED HON, HERMAN, MILLER, KIMBALL, NATIONAL OFFICE - OTHERS LISTED);	03/01/20	STATE CONTRACT #425-001-12-1
GENERAL CONTRACTOR SERVICES	Repair/Maintenance/ CIP Projects approved in adopted budget.	C&D, CANAVERAL, DOUG WILSON, HEARD, IVEY'S, SOUTHLAND, W&J CONSTRUCTION	05/14/18	SCHOOL BOARD RFP# 13-P-039-KR
HARDWARE, MRO EQUIPMENT AND FACILITIES MAINTENANCE SUPPLIES	\$175,000.00	FASTENAL, LAWSON, LOWES, Home Depot (primary vendors, others listed may be utilized); Grainger	TCPN Contracts: 3/31/18; State 02/28/17; US Communities: 7/31/17	THE COOPERATIVE PURCHASING NETWORK (TCPN) #R142101(Fastenal),R142103(Lawson),R142104 (Lowe's),R142105(Kimball Midwest) exp: 03/31/18; State Contract 450-000-11-ACS (Grainger exp: 02/28/17). US Communities Contract 11019 Effective through 07/31/2017 Hillsborough County #215207807
HAZARDOUS COLLECTION & DISPOSAL	\$102,000.00	EQ The Environmental Quality Co.	04/30/17	
IT CONSULTING SERVICES	\$100,000.00	MISCELLANEOUS	02/28/17	FL STATE CONTRACT 973-561-10-1
LABORATORY SERVICES	\$275,000.00	PACE ANALYTICAL	Palm Beach Exp 10/15/2017; Volusia County 01/13/2017	Volusia County 14-B-148AK Palm Beach SW Authority #13-242
RESEARCH LABORATORY SUPPLIES	\$100,000.00	FISHER SCIENTIFIC / FISHER SAFETY	2/12/20; 6/30/18	State of Florida #411-200-00-15-ACS; US Communities #C15-JL-12
LIBRARY MATERIALS AND BOOKS	\$1,600,000.00	Thirty-One (31) awarded contracts: BAKER & TAYLOR, BRODART, DAVIDSON TITLES, DEMCO, EBSCO, FOLLETT(BWI), INGRAM, GALE GROUP, MIDWEST, PROQUEST, RECORDED BOOKS, UNIQUE, (PRIMARY VENDORS UTILIZED, OTHERS LISTED MAY BE UTILIZED)	02/28/17	STATE OF FLORIDA CONTRACT #715-001-07-1, LIBRARY MATERIALS
OFFICE SUPPLY	\$180,000.00	OFFICE DEPOT, STAPLES ADVANTAGE, INDEPENDENT STATIONERS	04/17/17; 08/01/19; 02/28/18	FL STATE CONTRACT #618-000-11-1; NJPA #010615-SCC; TCPN #R14701
PLAYGROUND EQUIPMENT	\$100,000.00	Various Vendors	11/30/16	Volusia County #CL-506GH
PLAYGROUND EQUIPMENT & AMENITIES (Musco Lighting)	\$100,000.00	Various Vendors	02/11/17	Clay County Contract 13/14-8 Park Amenities and Playground Equipment - Musco Lighting
PLUMBING SUPPLIES	\$100,000.00	APPLE SPECIALTIES, BEST PLUMBING, FERGUSON, GORMAN, INTERLINE BRANDS	12/10/16	COOPERATIVE BID, SCHOOL BOARD #14-045-DW
REFABRICATION CONCRETE RESTROOMS	CIP Projects approved in adopted budget.	CXT, Inc.	04/23/17	NJPA #022113-CXT

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT EXPIRATION / OTHER	JUSTIFICATION
PUMP & MOTOR REPAIR SERVICES	\$165,000.00	FL ARMATURE WORKS, INC.	01/26/19	THE TOHO WATER AUTHORITY #IFN-16-024
PUMP & DEWATERING PARTS	\$100,000.00	THOMPSON PUMP & MFG	04/10/18	NJPA #031014-TPM
RADIO MAINTENANCE & REPAIR, 800 MHZ	\$500,000.00	Harris Co. c/o Communications International	06/30/21	FL STATE CONTRACT 725-001-01-1
SLIP LINING REHAB	\$165,000.00	Layne Inliner	05/18/17	ORANGE COUNTY Y14-194
TIRES & SERVICES	\$450,000.00	Goodyear, Bridgestone, Continental, Goodyear, Michelin, Trelleborg	02/28/17 03/31/19	FL SHERIFF'S ASSOCIATION (FSA) Bid #15/17-07-0220; STATE OF FLORIDA CONTRACT #883-000-10-1
VEHICLES (LIGHT TRUCKS, VANS AND CARS)	Vehicles approved in adopted budget.	FY 2015/16 Vendors: Alan Jay, Don Reid Ford; Duval Ford FY 2016/17 vendors TBD. FSA currently soliciting new bids.	09/30/16	FL SHERIFF'S ASSOCIATION BID 14-22-0904; 14-12-0904 BIDS 15-23-0904 and 15-13-0904 Currently Advertised by FSA, which when awarded will expire 09/30/2016. <b>NEW BIDS:</b> FSA16-VEL24.0 Police Rated, Administrative, Utility Vehicles, Trucks & Vans FSA16-VEH14.0 Cab & Chassis Trucks & Other Fleet <b>Equipment</b> Palm Beach County KMA WUD12-001C
WATERWASTEWATER - MANHOLE LINERS	\$250,000.00	The Hinterland Group	01/14/17	
AUTO, TRUCK, HEAVY EQUIPMENT, MOWER PARTS	\$150,000.00	NORTRAX EQUIPMENT, ROBINSON EQUIPMENT, KNAPHEIDE TRUCK EQUIPMENT SOUTHEAST, GREAT SOUTHERN EQUIPMENT	CONTINUING	Distributor - NORTRAX: SOLE AUTHORIZED DISTRIBUTOR FOR COMPACTION AMERICA (BOMAG) PRODUCTS, JOHN DEERE AND GENUINE TIGER PARTS FOR BREVARD COUNTY; ROBINSON SOLE AUTHORIZED DEALER KUBOTA, BUSH HOG, HENRY MITCHEM EQUIPMENT, MASSEY FERGUSON; KNAPHEIDE - AUTHORIZED ADRIAN/KNAPHEIDE, GRADALL HYDRAULIC EXCAVATOR DEALER FOR BREVARD COUNTY Exclusive distributor for sales and service of GE LED Traffic Signals; Global Traffic Tech Opticom Systems, and Gridsmart for entire state of Florida. OEM and sole provider of TCS 12x12 Intersection Display Board.
GE LED Traffic Signals Sales and Service, GridSmart, and Global Traffic Tech Opticom Systems products. TCS 12x12 Intersection Display Board	\$100,000.00	Transportation Control Systems	CONTINUING	
GRADALL HYDRAULIC EXCAVATOR SERVICE AND PARTS	Parts, Supplies & Service: \$75,000; Equipment approved in Adopted FY 16/17 Budget	GREAT SOUTHERN EQUIPMENT (GSX)	CONTINUING	ONLY AUTHORIZED DISTRIBUTOR FOR SALES, SERVICE AND PARTS FOR GRADALL HYDRAULIC EXCAVATOR PRODUCTS, KAWASAKI LOADERS, KOBELCO EXCAVATORS, SAKAI COMPACTION EQUIPMENT, KAISER WALKING EXCAVATORS, CTP AFTER MARKET CAT PARTS IN CENTRAL AND SOUTHERN FLORIDA INCLUDING BREVARD COUNTY.
HEAVY EQUIPMENT AND PARTS, GENERATORS AND GPS SOFTWARE	Parts, Supplies and Service: \$375,000; Equipment approved in adopted FY 16/17 Budget	RING POWER CORPORATION	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR CATERPILLAR PRODUCTS AND SERVICE FOR BREVARD COUNTY
HACH INSTRUMENT AND CHEMISTRY BRANDS	\$100,000.00	HACH COMPANY	CONTINUING	OEM AND SOLE PROVIDER OF ALL HACH BRAND PRODUCTS

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT EXPIRATION / OTHER	JUSTIFICATION
<b>Sole/Single Source including original equipment manufacturer and sole authorized distributors</b>				
LIBRARY DIGITAL MATERIALS (e-BOOKS, PERIODICALS)	\$175,000.00	OVERDRIVE	CONTINUING	MANUFACTURER AND SOLE PROVIDER OF OVERDRIVE DIGITAL LIBRARY SYSTEM
LIFEPAK® 15 DEFIBRILLATOR, AED PRODUCTS, & MAINTENANCE	\$200,000.00	PHYSIO-CONTROL, INC.	CONTINUING	SOLE SOURCE MANUFACTURE AND HAS NO AUTHORIZED DEALERS OR RESELLERS IN THE BREVARD COUNTY MARKET.
MOSQUITO CONTROL CHEMICALS	\$425,000.00	CLARKE MOSQUITO CONTROL	CONTINUING	MANUFACTURER AND SOLE SOURCE OF BIOMIST, DUET, MOSQUITO MIST, ANVIL, COCOBEAR, NATULAR, AND AN ALTOSID AUTHORIZED DISTRIBUTOR.
MOSQUITO CONTROL CHEMICALS	\$500,000.00	ADAPCO	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR DIBROM, AGNIQUE, FOURSTAR, AQUABAC, SPHERATAX, SCOURGE, BVA, ZENIVEX AND ALTOSID, DELTAGARD
MOSQUITO CONTROL CHEMICALS	\$220,000.00	UNIVAR USA	CONTINUING	MANUFACTURER AND SOLE DISTRIBUTOR OF MASTERLINE KONTROL, MASTERLINE AQUACONTROL, SOLE SOURCE WITHIN BREVARD COUNTY TO PROVIDE SERVICES
PHARMACEUTICALS	\$100,000.00	AVENTIS (Merial), BAYER, PEIZER, GLAXO-KLINE, NORVARTIS, MERCK	CONTINUING	
TORO TURF EQUIPMENT & IRRIGATION PARTS	\$100,000.00	WESCO TURF SUPPLY	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR TORO TURF EQUIPMENT AND PARTS AND IRRIGATION PARTS FOR BREVARD COUNTY; BOARD STANDARDIZATION RECEIVED FOR TORO IRRIGATION PARTS
TRAFFIC SIGNAL - ALPHA TECHNOLOGIES; RTC MANUFACTURING; POLARA ENGINEERING TRAFFIC PRODUCTS; DIALIGHT CORP.; CARMANAH; THK SECURITY PRODUCTS AND SENSYS	\$100,000.00	Temple Inc.	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR IN STATE OF FLORIDA FOR ALPHA TECHNOLOGIES; RTC MANUFACTURING; POLARA ENGINEERING TRAFFIC PRODUCTS; DIALIGHT CORP.; CARMANAH NETWORK EQUIPMENT AND PRODUCTS, SENSYS NETWORKS, FCU SCHOOL ZONE SWITCH, AND TKH SECURITY PRODUCTS
VAC-CON SEWER TRUCK PARTS, AND SERVICE	\$34,000 for parts/service; \$430,000 Vac Con budgeted in FY 16/17 budget	SOUTHERN SEWER EQUIPMENT SALES (SSES)	CONTINUING	SOLE AUTHORIZED VAC-CON DEALER FOR SALES, PARTS AND SERVICE IN THE STATE OF FLORIDA, EXCLUDING PANHANDLE.
Water/Wastewater OVIVO USA, LLC EIMCO Process Equipment, Baker Process, EIMCO Water Technologies, Dorr-Oliver and Dorr-Oliver EIMCO Municipal Water and Wastewater Equipment and Parts	\$365,000.00	Ovivo USA, LLC DBA TSC-Jacobs	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR OVIVO USA, LLC'S EIMCO AND DORR-OLIVER EQUIPMENT AND PARTS
WATER/WASTEWATER SULZER ABS PUMPS AND PARTS	\$110,000.00	HYDRA SERVICES INC	CONTINUING	SOLE AUTHORIZED SUPPLIER FOR ALL SULZER ABS PRODUCTS FOR STATE OF FLORIDA, EXCLUDING COUNTIES OF SARASOTA, DESOTO, CHARLOTTE, GLADES, LEE, HENDRY, COLLIER, AND MONROE
WATER/WASTEWATER TELEMETRY EQUIPMENT BRISTOL_SCADA	\$300,000.00	BRISTOL INC. / EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC.	CONTINUING	OEM - BOARD STANDARDIZED EQUIPMENT 1991 - SOLE MANUFACTURER. SOLE AUTHORIZED ENTITY FOR SALES

**BREVARD COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**INITIAL CONTRACT FORM**

**SECTION I - The following information must be completed on all new contracts submitted to the Board.**

1. Contractor: Communications International Inc.	
2. Fund/Account #: 0031 220700 5460000	Department Name: Emergency Management
4. Contract Description: Public Safety Radio System Maintenance	
5. Contract Monitor: Lisa Morgan	6. Mail Stop #: 53
7. Dept./Office Director: Kimberly Prosser	8. Contract Type: Services
ACTION DATE: 30 days from entry	ACTION REQUIREMENT: Need signatures

**SECTION II - The following departments must approve all contracts submitted to the Board:**

COUNTY OFFICE	APPROVAL		INITIALS	DATE
	YES	NO		
User Agency	✓	_____	<i>JP</i>	3/7/17
Risk Management	✓	_____	<i>[Signature]</i>	3-7-2017
County Attorney	<i>[Signature]</i>	_____	<i>[Signature]</i>	3/9/17

If any office denies approval, the package will be returned immediately to the User Agency.

**SECTION III - CONTRACT MANAGEMENT DATABASE CHECKLIST**

DATABASE REQUIRED FIELDS	Complete ✓
Department Information	<input checked="" type="checkbox"/>
Department <i>Emergency Management</i>	<input checked="" type="checkbox"/>
Program <i>800 MHz</i>	<input checked="" type="checkbox"/>
Contact Name <i>Lisa Morgan</i>	<input checked="" type="checkbox"/>
Cost Center, Fund and GL Account <i>220700 0031 5460000</i>	<input checked="" type="checkbox"/>
Vendor Information (SAP Vendor #) <i>4110</i>	<input checked="" type="checkbox"/>
Contract Status <i>Pending</i>	<input type="checkbox"/>
Contract Title <i>Public Safety Radio System Maintenance</i>	<input checked="" type="checkbox"/>
Contract Type <i>Services</i>	<input checked="" type="checkbox"/>
Contract Amount 1 yr. <i>Radio Maintenance: \$134,982/yr. Infrastructure Maintenance: \$401,856/yr. Total \$536,838/yr.</i>	<input checked="" type="checkbox"/>
Storage Location (SAP) <i>Emergency Management</i>	<input checked="" type="checkbox"/>
Contract Approval Date <i>09/20/16 Approved Vendors of Record List FY 2016-2017</i>	<input checked="" type="checkbox"/>
Contract Effective Date <i>10/1/16</i>	<input checked="" type="checkbox"/>
Contract Expiration Date <i>09/30/17</i>	<input checked="" type="checkbox"/>
Contract Absolute End Date <i>09/30/17</i>	<input checked="" type="checkbox"/>
Material Group <i>Radio Comm, telephone, telecommunication Equip, Access &amp; Supp</i>	<input checked="" type="checkbox"/>
Contract Documents Uploaded in database (Initial Contract Form with County Attorney/Risk Management Approval; Signed/Executed Contract)	<input type="checkbox"/>
Right To Audit Clause Included in Contract <i>YES</i>	<input checked="" type="checkbox"/>
Monitored items: <i>Uploaded to database (Insurance, Bonds, etc.)</i>	<input checked="" type="checkbox"/>
Note: <i>Insurance Certificates uploaded under collapsible/expandable Monitor Bar Section Change Order/Task Order uploaded under collapsible/expandable Monitor Bar Section Contract Renewal documents uploaded under collapsible/expandable Renewal /Bar Section</i>	
NOTE: This form should be attached to all new contracts being submitted to the Board for approval. After the contract has been approved, the contract package, including this form, will go to the Clerk to the Board. The Clerk's office will return the Initial Contract Form, Executed/Attested Contract to department for contract to be entered and uploaded into the Contract Management System. See AO-29 for additional information.	



HARRIS CORPORATION

September 22, 2016

RF Communications Division  
8323 N.W. 12 Street  
Suite 200  
Miami, FL USA 33126

[www.harris.com](http://www.harris.com)

Lizzet Ruiz  
Public Safety Radio Systems Manager Brevard Co.

RE: 800 MHz Trunked Radio Procurement

Ms. Ruiz:

The Trunked 800 MHz EDACS Radio equipment that operates the Brevard County's 800 MHz Radio System is only manufactured by Harris Corporation. This letter is to certify that Communications International, Inc. is the sole authorized sales and service agent for Harris Corporation PSPC for Brevard County, FL

Communications International is the Harris Regional Center of Excellence for the Southeastern United States. In this capacity it is the responsibility of Communications International to provide system design, engineering, build-out, implementation and service for the EDACS System comprised of equipment mentioned previously. As the Regional Center for Excellence, Communications International is also responsible for ensuring that Harris standards for grounding, build-out, implementation, maintenance and repair are followed in the Southeastern Region.

Only the authorized service agent can design, construct, implement and/or service your 800 MHz EDACS Radio System. It would be in violation of Harris warranty policies and would void any future warranties.

If you have any further questions or concerns I encourage you to call me at my office

Thank you for your continued support of Harris products and solutions.

Sincerely,

Pioscka Ventura  
Manager, Indirect Channel  
Harris Corporation  
Public Safety & Public Service Division  
Email: [pventu01@harris.com](mailto:pventu01@harris.com)  
Phone: (305) 775-0714



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September 21, 2016

MEMORANDUM

TO: Teresa Camarata, Central Services Director Attn: Leslie Rothering

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SCOTT ELLIS, CLERK

*Tammy Rowe*

Tammy Rowe, Deputy Clerk

/ds

Encl. (1)

cc: Contracts Administration  
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Budget

Meeting Date  
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DEPT/OFFICE:	CENTRAL SERVICES DEPARTMENT/PURCHASING SERVICES

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Continued, Page 2

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Contract /Agreement (If attached): Reviewed by County Attorney    Yes  No     PR

County Manager	Assistant County Manager	Frank Abbott	Department Director / Extension
Stockton Whitten	Assistant County Manager	Venetta Valdengo	Teresa Camarata/ext. 5-3492

SUBJECT: PERMISSION TO ISSUE OPEN PURCHASE ORDERS (FY 2016/2017) EXCEEDING \$100,000 TO APPROVED VENDORS OF RECORD

SUMMARY EXPLANATION & BACKGROUND, CONTINUED

Brevard County also participates in other intergovernmental cooperative purchasing programs through the National Association of State Procurement Officials (NASPO), National Joint Purchasing Allianc (NJPA), Western State Contracting Alliance (WSCA) and U.S. Communities which offer local government's access to nationally solicited contracts that provide significant reductions in price and guaranteed delivery features.

Commodity contracts initiated by the State of Florida promote quality control, continuity and product standardization, which if found defective or unsatisfactory, may be tested by the Florida State Bureau of Testing. The State of Florida bids present a cost savings, as those contracts executed in prior years and extended at the same pricing are not influenced by inflation. Likewise, the State of Florida evaluates each bid to ensure that the continuance of a contract is favorable prior to extension of the agreement. Purchasing Services seeks the best value by optimizing pricing, transaction costs, and processing time through the strategic use of cooperative procurement vehicles.

OEM (Original Equipment Manufacturer) repair and/or parts vendors, or their exclusive authorized representatives, provide service, usually for heavy industrial equipment. Their services are not normally franchised to retailers but retained under the control of the OEM to ensure quality control and equipment reputation. Copies of authorization letters are on file at Purchasing Services. In addition to providing a high level of quality and longevity, use of OEM parts and service providers insures that equipment warranties are not diminished or voided.

Approval of this action will eliminate an estimated fifty additional Board actions granting permission to purchase common items and services from differing agencies.

Fiscal Impact FY 16/17: Estimated annual amounts are based upon historical use. Minimizing administrative costs insures efficient use of available funds and the timely provision of commodities and services. Establishment of costs associated with these commodities/services is allocated to individual agencies funding source. Funds will be encumbered through user initiated blanket purchase orders.

Name: Contact: Leslie Rothering, Purchasing Services  
Phone: x5-6038, [leslie.rothering@brevardcounty.us](mailto:leslie.rothering@brevardcounty.us)

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT EXPIRATION / OTHER	JUSTIFICATION
<b>State Contracts, Cooperative Contracts and other Agency Contracts</b>				
CARPET & FLOOR MATERIALS	\$100,000.00	TANDUS, Bentley Mills, Interface Americas, Mannington Commercial, Masland, Milliken, MOHAWK, SHAW,	02/16/20	STATE OF FLORIDA #52100000-16-ACS
COMPUTER I.T. HARDWARE (DELL)	\$600,000.00	DELL MARKETING L.P.; 7 Other Vendors	03/31/17	(WSCA) 43211500-WSCA-15-ACS MASTER PRICE AGREEMENT. BREVARD COUNTY CONTRACT CODE: WN05ACA STATE CONTRACT #21100000-15-1
CONSTRUCTION, INDUSTRIAL, AGRICULTURAL, & LAWN EQUIPMENT	\$285,000.00	WESCO TURF SUPPLY FOR TORO PRODUCTS PRIMARY; RING POWER FOR FECON PRODUCTS; JOHN DEERE FOR DEERE PRODUCTS; STIHL FOR STIHL SOUTHEAST; OTHERS LISTED	06/30/17	
FENCING	\$125,000.00	ALL-RITE COMMERCIAL FENCE CONTRACTORS, EAST COAST FENCE	03/15/19	SCHOOL BOARD OF BREVARD COUNTY ITB#16-B-069-LU
FIRE EQUIPMENT & SUPPLIES	\$185,000.00	A ONE FIRE, BENNETT, CASKEYS, FISCHER, HALLMARK, HAZARD CONTROL TECH., NAFECO, TEN-8, GLOVER OIL	06/30/17	LAKE COUNTY CONTRACT 12-0806
FUEL (DIESEL/GAS)	\$4,000,000.00		06/10/17	COOPERATIVE BID, SCHOOL BOARD 14-065-DR
FURNITURE-OFFICE AND FILES (Steel Case Inc.)	\$100,000.00	AMERICAN BUSINESS INTERIORS (PRIMARY VENDOR UTILIZED HON, HERMAN, MILLER, KIMBALL, NATIONAL OFFICE - OTHERS LISTED; C&D, CANAVERAL, DOUG WILSON, HEARD, IVEYS, SOUTHLAND, W&J CONSTRUCTION	03/01/20	STATE CONTRACT #425-001-12-1
GENERAL CONTRACTOR SERVICES	Repair/Maintenance/ CIP Projects approved in adopted budget.		05/14/18	SCHOOL BOARD RFP# 13-P-039-KR
HARDWARE, MRO EQUIPMENT AND FACILITIES MAINTENANCE SUPPLIES	\$175,000.00	FASTENAL, LAWSON, LOWES, Home Depot (primary vendors, others listed may be utilized); Grainger	TCPN Contracts: 3/8/1/18; State 02/28/17; US Communities: 7/3/1/17	THE COOPERATIVE PURCHASING NETWORK (TCPN) #R142101(Fastenal), R142103(Lawson), R142104 (Lowe's), R142105(Kimball Midwest) exp: 03/31/18; State Contract 450-000-11-ACS (Grainger exp: 02/28/17). US Communities Contract 11019 Effective through 07/31/2017 Hillsborough County #215207807
HAZARDOUS COLLECTION & DISPOSAL	\$102,000.00	EQ The Environmental Quality Co.	04/30/17	
IT CONSULTING SERVICES	\$100,000.00	MISCELLANEOUS	02/28/17	FL STATE CONTRACT 973-561-10-1
LABORATORY SERVICES	\$275,000.00	PAGE ANALYTICAL	Palm Beach Exp 10/15/2017, Volusia County 01/13/2017	Volusia County SW Authority #13-242
RESEARCH LABORATORY SUPPLIES	\$100,000.00	FISHER SCIENTIFIC / FISHER SAFETY	2/12/20; 6/30/18	State of Florida #411-200-00-15-ACS; US Communities #C15-JL-12
LIBRARY MATERIALS AND BOOKS	\$1,600,000.00	Thirty-One (31) awarded contracts: BAKER & TAYLOR, BRODART, DAVIDSON TITLES, DEMCO, EBSCO, FOLLETT(BWI), INGRAM, GALE GROUP, MIDWEST, PROQUEST, RECORDED BOOKS, UNIQUE. (PRIMARY VENDORS UTILIZED, OTHERS LISTED MAY BE UTILIZED)	02/28/17	STATE OF FLORIDA CONTRACT #715-001-07-1, LIBRARY MATERIALS
OFFICE SUPPLY	\$180,000.00	OFFICE DEPOT, STAPLES ADVANTAGE, INDEPENDENT STATIONERS	04/17/17; 08/01/19; 02/28/18	FL STATE CONTRACT #618-000-11-1; NJPA #010615-SCC; TCPN #R14701
PLAYGROUND EQUIPMENT	\$100,000.00	Various Vendors	11/30/16	Volusia County #CL-506GH
PLAYGROUND EQUIPMENT & AMENITIES (Musco Lighting)	\$100,000.00	Various Vendors	02/11/17	Clay County Contract 13/14-8 Park Amenities and Playground Equipment - Musco Lighting
PLUMBING SUPPLIES	\$100,000.00	APPLE SPECIALTIES, BEST PLUMBING, FERGUSON, GORMAN, INTERLINE BRANDS	12/10/16	COOPERATIVE BID, SCHOOL BOARD #14-045-DW
PREFABRICATION CONCRETE RESTROOMS	CIP Projects approved in adopted budget.	CXT, Inc.	04/23/17	NJPA #022113-CXT

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT / EXPIRATION / OTHER	JUSTIFICATION
PUMP & MOTOR REPAIR SERVICES	\$165,000.00	FL ARMATURE WORKS, INC.	01/26/19	THE TOHO WATER AUTHORITY #IFN-16-024
PUMP & DEWATERING PARTS	\$100,000.00	THOMPSON PUMP & MFG	04/10/18	NJPA #031014-TPM
RADIO MAINTENANCE & REPAIR, 800 MHZ	\$500,000.00	Harris Co. c/o Communications International	08/30/21	FL STATE CONTRACT 725-001-01-1
SLIP LINING REHAB	\$165,000.00	Layne Inliner	03/18/17	ORANGE COUNTY Y14-194
TIRES & SERVICES	\$450,000.00	Goodyear, Bridgestone, Continental, Goodyear, Michelin, Trelleborg	02/28/17 03/31/19	FL SHERIFF'S ASSOCIATION (FSA) Bid #15/17-07-0220, STATE OF FLORIDA CONTRACT #863-000-10-1
VEHICLES (LIGHT TRUCKS, VANS AND CARS)	Vehicles approved in adopted budget.	FY 2015/16 Vendors: Alan Jay, Don Reid Ford; Duval Ford FY 2016/17 vendors TBD. FSA currently soliciting new bids.	09/30/16	FL SHERIFF'S ASSOCIATION BID 14-22-0904; 14-12-0904 BIDS 15-23-0904 and 15-13-0904 Currently Advertised by FSA, which when awarded will expire 09/30/2016 NEW BIDS: FSA16-VELL24.0 Police Rated, Administrative, Utility Vehicles, Trucks & Vans FSA16-VEH14.0 Cab & Chassis Trucks & Other Fleet Equipment Palm Beach County KMA WUD12-001C
WATERWASTEWATER - MANHOLE LINERS	\$250,000.00	The Hinterland Group	01/14/17	
AUTO, TRUCK, HEAVY EQUIPMENT, MOWER PARTS	\$150,000.00	NORTRAX EQUIPMENT, ROBINSON EQUIPMENT, KNAPHEIDE TRUCK EQUIPMENT SOUTHEAST, GREAT SOUTHERN EQUIPMENT	CONTINUING	Distributor - NORTRAX: SOLE AUTHORIZED DISTRIBUTOR FOR COMPACTOR AMERICA (BOMAG) PRODUCTS, JOHN DEERE AND GENUINE TIGER PARTS FOR BREVARD COUNTY; ROBINSON SOLE AUTHORIZED DEALER KUBOTA, BUSH HOG, HENRY MITCHEM EQUIPMENT, MASSEY FERGUSON; KNAPHEIDE - AUTHORIZED ADRIAN/KNAPHEIDE, GRADALL HYDRAULIC EXCAVATOR DEALER FOR BREVARD COUNTY Exclusive distributor for sales and service of GE LED Traffic Signals: Global Traffic Tech Opticom Systems, and GridSmart for entire state of Florida. OEM and sole provider of TCS 12x12 Intersection Display Board.
GE LED Traffic Signals Sales and Service, GridSmart, and Global Traffic Tech Opticom Systems products. TCS 12x12 Intersection Display Board	\$100,000.00	Transportation Control Systems	CONTINUING	
GRADALL HYDRAULIC EXCAVATOR SERVICE AND PARTS	Parts, Supplies & Service: \$75,000; Equipment approved in Adopted FY 16/17 Budget	GREAT SOUTHERN EQUIPMENT (GSE)	CONTINUING	ONLY AUTHORIZED DISTRIBUTOR FOR SALES, SERVICE AND PARTS FOR GRADALL HYDRAULIC EXCAVATOR PRODUCTS, KAWASAKI LOADERS, KOBELCO EXCAVATORS, SAKAI COMPACTION EQUIPMENT, KAISER WALKING EXCAVATORS, CTP AFTER MARKET CAT PARTS IN CENTRAL AND SOUTHERN FLORIDA INCLUDING BREVARD COUNTY.
HEAVY EQUIPMENT AND PARTS, GENERATORS AND GPS SOFTWARE	Parts, Supplies and Service: \$375,000; Equipment approved in adopted FY 16/17 Budget	RING POWER CORPORATION	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR CATERPILLAR PRODUCTS AND SERVICE FOR BREVARD COUNTY
HACH INSTRUMENT AND CHEMISTRY BRANDS	\$100,000.00	HACH COMPANY	CONTINUING	OEM AND SOLE PROVIDER OF ALL HACH BRAND PRODUCTS

VENDORS OF RECORD LIST  
FY 2016/17

COMMODITY	EST.\$ ANNUALLY	VENDOR(S)	AGREEMENT EXPIRATION / OTHER	JUSTIFICATION
<b>Sole/Single Source including original equipment manufacturer and sole authorized distributors</b>				
LIBRARY DIGITAL MATERIALS (e-BOOKS, PERIODICALS)	\$175,000.00	OVERDRIVE	CONTINUING	MANUFACTURER AND SOLE PROVIDER OF OVERDRIVE DIGITAL LIBRARY SYSTEM
LIFEPAK® 15 DEFIBRILLATOR, AED PRODUCTS, & MAINTENANCE	\$200,000.00	PHYSIO-CONTROL, INC.	CONTINUING	SOLE SOURCE MANUFACTURE AND HAS NO AUTHORIZED DEALERS OR RESELLERS IN THE BREVARD COUNTY MARKET.
MOSQUITO CONTROL CHEMICALS	\$425,000.00	CLARKE MOSQUITO CONTROL	CONTINUING	MANUFACTURER AND SOLE SOURCE OF BIOMIST, DIJET, MOSQUITO MIST, ANVIL, COCOBEAR, NATULAR, AND AN ALTOSID AUTHORIZED DISTRIBUTOR.
MOSQUITO CONTROL CHEMICALS	\$500,000.00	ADAPCO	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR DIBROM, AGNIQUE, FOURSTAR, AQUABAC, SPHERATAX, SCOURGE, BVA, ZENIVEX AND ALTOSID, DELTAGARD
MOSQUITO CONTROL CHEMICALS	\$220,000.00	UNIVAR USA	CONTINUING	MANUFACTURER AND SOLE DISTRIBUTOR OF MASTERLINE CONTROL, MASTERLINE AQUACONTROL, SOLE SOURCE WITHIN BREVARD COUNTY TO PROVIDE SERVICES
PHARMACEUTICALS	\$100,000.00	AVENTIS (Merrial), BAYER, PFIZER, GLAXO-KLINE, NORVARTIS, MERCK	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR TORO TURF EQUIPMENT AND PARTS AND IRRIGATION PARTS FOR BREVARD COUNTY; BOARD STANDARDIZATION RECEIVED FOR TORO IRRIGATION PARTS
TORO TURF EQUIPMENT & IRRIGATION PARTS	\$100,000.00	WESCO TURF SUPPLY	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR IN STATE OF FLORIDA FOR ALPHA TECHNOLOGIES; RTC MANUFACTURING; POLARA ENGINEERING TRAFFIC PRODUCTS; DIALIGHT CORP.; CARMANAH NETWORK EQUIPMENT AND PRODUCTS, SENSYS NETWORKS, FCJ SCHOOL ZONE SWITCH, AND TKH SECURITY PRODUCTS
TRAFFIC SIGNAL - ALPHA TECHNOLOGIES; RTC MANUFACTURING; POLARA ENGINEERING TRAFFIC PRODUCTS; DIALIGHT CORP.; CARMANAH; THK SECURITY PRODUCTS AND SENSYS	\$100,000.00	Temple Inc.	CONTINUING	SOLE AUTHORIZED VAC-CON DEALER FOR SALES, PARTS AND SERVICE IN THE STATE OF FLORIDA, EXCLUDING PANHANDLE.
VAC-CON SEWER TRUCK PARTS, AND SERVICE	\$34,000 for parts/service; \$430,000 Vac Con budgeted in FY 16/17 budget	SOUTHERN SEWER EQUIPMENT SALES (SSES)	CONTINUING	
Water/Wastewater OVIVO USA, LLC EIMCO Process Equipment, Baker Process, EIMCO Water Technologies, Dorr-Oliver and Dorr-Oliver EIMCO Municipal Water and Wastewater Equipment and Parts WATER/WASTEWATER SULZER ABS PUMPS AND PARTS	\$385,000.00	Ovivo USA, LLC DBA TSC-Jacobs	CONTINUING	SOLE AUTHORIZED DISTRIBUTOR FOR OVIVO USA, LLC'S EIMCO AND DORR-OLIVER EQUIPMENT AND PARTS
WATER/WASTEWATER TELEMETRY EQUIPMENT BRISTOL SCADA	\$110,000.00	HYDRA SERVICES INC	CONTINUING	SOLE AUTHORIZED SUPPLIER FOR ALL SULZER ABS PRODUCTS FOR STATE OF FLORIDA, EXCLUDING COUNTIES OF SARASOTA, DESOTO, CHARLOTTE, GLADES, LEE, HENDRY, COLLIER, AND MONROE
	\$300,000.00	BRISTOL INC. / EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC.	CONTINUING	OEM - BOARD STANDARDIZED EQUIPMENT 1991 - SOLE MANUFACTURER. SOLE AUTHORIZED ENTITY FOR SALES



**PUBLIC SAFETY RADIO SYSTEM CONTRACT**

**COMMUNICATIONS INTERNATIONAL**

**AND**

**BREVARD COUNTY BOCC**

**Contract # 3529**

## PUBLIC SAFETY RADIO SYSTEM CONTRACT

THIS CONTRACT is made and entered into as of this 14 day of MARCH, 2016 by and between COMMUNICATIONS INTERNATIONAL, INC., a Florida corporation, hereinafter called "Ci" and the Board of County Commissioners of Brevard County, Florida, a political subdivision of the State of Florida (hereinafter the "County") and effective OCTOBER 1, 2016

### Recitals:

WHEREAS, Ci currently provides certain Products and Services in relation to two-way radio communications within the boundaries of State of Florida; and

WHEREAS, Harris Corporation, the proprietary manufacturer of the Brevard County Public Safety Radio System has designated Ci as the vendor for maintenance services to be used by Brevard County; and

WHEREAS, due to the complexity and scope of the Brevard County Public Safety Radio System Ci is the only maintenance services vendor within the confines of Brevard County and the immediate surrounding counties qualified to provide the maintenance for this radio system; and

WHEREAS, Brevard County desires to contract for the purchase of Products and Services from Ci as described herein; and

WHEREAS, the Parties wish to establish terms, conditions and pricing under which the particular Products and Services will be purchased by the County; and

WHEREAS, the Parties hereby desire to enter into this Contract to set forth, in writing, their respective rights, duties and obligations hereunder.

NOW, THEREFORE, for and in consideration of the mutual promises herein contained and other good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged and confessed, the Parties hereby agree as follows:

### **1.0 DEFINITIONS**

- (A) "Parties" shall mean, collectively, Ci and the County.
- (B) "Products" shall mean the equipment, accessories and miscellaneous items Ci offers for sale to Brevard County at negotiated pricing as stated within this Contract.
- (C) "Services" shall mean those services to be provided by Ci to the County pursuant to this Contract including, but not limited to, maintenance, technical support, installations, training, labor, and testing.
- (D) "Software" means those Product(s) or portions thereof consisting of computer software programs, software utilities, and source code or object code.

- (E) "Fixed Equipment" is defined as the site repeater stations and associated equipment, multi-site coordinator, console electronic equipment and radio control stations and as otherwise specified described as Fixed Equipment in a Customer maintenance contract.
- (F) "Mobile Equipment" is defined as all vehicular mounted radios, personal portable radios, vehicular repeaters and portable radio chargers and as otherwise specifically described as Fixed Equipment for maintenance in this Contract.
- (G) "Demand Services" are defined as service requests that are not included in the fixed fee arrangement in this Contract.
- (H) "Working Hours" are defined as 8:00 a.m. to 5:00 p.m. Monday through Friday excluding holidays unless otherwise defined within this Contract.
- (I) "Emergency Services" shall mean services performed outside of Working Hours that are available from Ci twenty-four hours daily, seven days per week, including Federal and State holidays.
- (J) "Specialized Services" are defined as service requests that are not included in the fixed fee arrangement in this Contract and are part of a Radio System Enhancement if sixty five (65) percent or more of the total value of such enhancement comprises Sole Source Services and/or Products.

## 2.0 **ATTACHMENTS**

The ATTACHMENTS listed below are incorporated into and made part of this Contract.

- ATTACHMENT A – Maintenance Contract (7 pg)
- ATTACHMENT B – Equipment and Pricing Lists (42 pg)
- ATTACHMENT C – Service Rates (2 pg)
- ATTACHMENT D – Pricing Discounts (1 pg)
- ATTACHMENT E – Per Unit Equipment Maintenance and Certification Pricing (1 pg)
- ATTACHMENT F – System Failure Escalation Procedure (1 pg)
- ATTACHMENT G – Specialized Service – Radio System Enhancement (1 pg)
- ATTACHMENT H – Initial Assessment Protocol Test -Forms and Protocol (6 pg)
- ATTACHMENT I – Final Acceptance Test - Post-BDA/DAS installation Assessment - Forms and Protocol (20 pg)
- ATTACHMENT J - Annual Operational Assessment Protocol (1 pg)

## 3.0 **SCOPE OF CONTRACT**

Ci agrees to maintain the ability to provide the services and equipment/parts as set forth in Attachment A and Attachment B of this Contract and to provide the services described herein, including Demand Services. The County agrees to purchase Demand Services from Ci, as needed, in accordance with Attachment C of this Contract.

The parties expressly agree that any state, or local government agency may, at the agency's option, utilize this Contract to obtain service, maintenance, and parts for the agency's

equipment used in connection with its two way radio communications under the same terms and conditions as the County. This Contract may also be utilized by any Federal government agency to obtain service, maintenance, and parts, at the agency's option, operating on the Brevard County radio communication system under a valid user agreement with the County with respect to any equipment that is included on the equipment list provided to Ci (see Attachment B)

Brevard infrastructure radio system operation takes precedence over individual agency terminal units within Brevard County. Ci shall be responsible for making available sufficient staffing to timely perform both the obligations under this Contract.

#### **4.0 TERM OF CONTRACT**

The length of this Contract shall be for one (1) year term with no (zero) renewal options. The contract term will commence October 1, 2016 and terminate on September 30, 2017.

#### **5.0 PRICES AND TERMS OF PAYMENT**

- (A) The prices to be charged by Ci for regular fixed-price maintenance Services are set forth in Attachment B of this Contract. The prices to be charged by Ci for the sale of demand services and Professional Services are set forth in Attachment C of this Contract. The prices to be charged by Ci for installations are based on hourly, demand-services rate and are set forth in Attachment C of this Contract. The prices to be charged by Ci for sale of new products and equipment are set forth in Attachment D of this Contract. Per-unit maintenance and certification pricing shall be set forth in Attachment E of this Contract. Per-unit user terminal maintenance pricing shall set forth Attachment E of this Contract.
- (B) Payment terms for monthly recurring Maintenance Services, as outlined in Attachment E are in advance in accordance with Florida Statutes 218.70, et seq., the "Florida Prompt Payment Act". The time frames for payment under the Florida Prompt Payment Act shall not begin to run until the service and parts provided are accepted by the County.
- (C) Payment terms for monthly recurring Maintenance Services, as outlined in Attachment E are in advance in accordance with Florida Statutes 218.70, et seq., the "Florida Prompt Payment Act". The time frames for payment under the Florida Prompt Payment Act shall not begin to run until the service and parts provided are accepted by the County.
- (D) Payment for Emergency Services, Demand Services, Professional Services and purchase of all product and/or equipment will be in accordance with Florida Statutes 218.70, et seq., "Prompt Payment Act". The time frames for payment under the Florida Prompt Payment Act shall not begin to run until the service and parts provided are accepted by the County.
- (E) Notwithstanding the foregoing, Ci may invoice the County for products delivered or

services performed as completed. The invoice shall contain the purchase order number and description of services including quantity, if any. County will make timely payment to Ci in compliance with the Florida Prompt Payment Act. During the month of September (the last month of the County's fiscal year), Ci shall submit to the County all work orders for products delivered or services performed during the month of September as work orders are completed. Each work order shall be submitted by Ci to the designated Radio Systems Coordinator via Email document delivery.

- (F) Ci shall submit all outstanding invoices to the County, for work performed during the County fiscal year (October 1 to September 30) no later than October 15<sup>th</sup>. Invoices received after October 15<sup>th</sup> for products delivered or services completed prior to September 30<sup>th</sup> will be considered invalid and not payable by the County.
- (G) Ci shall forward all completed invoices to the County within 30 calendar days from the date of acceptance of the service and/or parts, except as provided for in Section (E) above.
- (H) The pricing under this Contract may be adjusted each year based on the US Consumer Price Index (CPI) found at the US Bureau of Labor Statistics web site, under the "South Urban" region of the United States map. The number used for adjustment will be the index number for "Feb" under the current year. This percent number is a twelve-month percent change for the "South Urban" over the last twelve months as reflected in February.

**6.0 EXTRA CHARGES & TERMS**

- (A) No extra charges of any kind will be allowed unless specifically agreed to in writing by authorized representatives of both parties.
- (B) Unilateral addition of terms by Ci does not supersede terms as listed under a Brevard County Purchase Order or any additional terms therein. Where terms added by Ci are in conflict with the terms contained in a Purchase Order, such terms are null and void.

**7.0 MISCELLANEOUS TERMS**

- (A) In addition to the Services specified in this Contract, the County may order other work to be provided by Ci including specially designed work or services otherwise not in conformity with this Contract, and listed as Specialized Services as shown in Attachment G. Within ten (10) business days of receipt of a Special Requirements Order, Ci will furnish the County with a proposal to fill such Order including price and delivery time. The County may accept or reject any such proposal within ten (10) business days of receipt; any proposal not specifically accepted will be deemed rejected on the eleventh business day after receipt.
- (B) Demand Services, including the installation, removal, or reinstallation of equipment, shall be performed by Ci, following reasonable notice to the County, and at the hourly rates listed in Attachment C to this Contract. Service work made necessary because of abuse or neglect (which is not under the control of Ci) will be performed at the hourly

rate for Demand Services, plus parts. Items that are not covered under Maintenance in Attachment E, such as portable batteries, portable antennas, mobile antennas and items abused or misused by the County will be repaired and/or replaced under the Demand Services pricing structure of this Contract.

- (C) Purchase orders issued in compliance with this Contract, other than Special Requirements Orders, shall be deemed accepted upon receipt by Ci. Special Requirements Orders shall be deemed accepted by Ci upon receipt of the County's acceptance of Ci's proposal.
- (D) Unless otherwise specifically agreed to in writing between Ci and the County, the terms and conditions of this Contract shall take precedence over any accepted purchase order issued after the date of this Contract, in conformance with Article 18 of this Contract.
- (E) The County agrees to notify Ci immediately if, at any time, it appears the Services and requirements set forth in this Contract are not being provided by Ci to the County's satisfaction. The notification shall be in writing setting forth the nature of the work and/or the equipment which does not meet the County's requirements.
- (F) Ci shall maintain a minimum inventory of replacement equipment and parts available immediately in Brevard County to service backbone infrastructure and User Terminal Equipment covered under this Contract. A copy of this inventory will be made available to the County by Ci upon request. Ci shall ensure that all other parts, etc. not maintained on the minimum inventory list shall be available within a three (3) business day time frame from the time of the service call.
- (G) Contract management meetings shall be held between Ci and the County to discuss the performance of Ci under the Contract, to discuss any special considerations that from time to time may arise regarding execution of the Contract, and to discuss issues pertinent to other users or municipal agencies with the Contract. Meetings shall be held quarterly as scheduled by the County; however, Ci agrees to meet monthly if so scheduled by the County.
- (H) Before any piece of equipment can be added to this Contract, the County Radio System administration has the right of final determination of acceptance or rejection of that additional equipment based on good radio communications practices and procedures. Ci shall evaluate the equipment prior to its use or installation and bill either the User Agency or the County, depending on who is making the request, for time and materials for any required corrective actions at the demand services rate as specified in Attachment C of this Contract.

## 8.0 **RESPONSE TIME**

Response time is defined in Attachment A of this Contract. Ci agrees that a technician will respond to a reported failure within the specified response time after a verifiable notification by the County. Escalation contact procedures included as Attachment F.

**9.0 TITLE, RISK OF LOSS AND CLAIMS**

The County must make any claims against Ci for shortages in quantities of equipment or parts shipped or deficiencies in services rendered within ninety (90) days from the date of delivery or invoice of such material or services.

**10.0 FORCE MAJEURE**

Ci will not be considered in default or liable for any delay or failure to perform its obligations under this Contract if such delay or failure arises directly or indirectly out of an act of nature, war, strikes, lockouts, trade disputes, fires, quarantine restrictions, Governmental action or by causes beyond the reasonable control of Ci. In such event, any obligation of Ci under this Contract will be postponed until the cause underlying the force majeure has been eliminated at which time the obligation will again be in effect. Any loss of time by the force majeure will not be held against Ci who was unable to comply with its obligations under this Contract because of the force majeure. Ci shall immediately notify the County in writing if a force majeure event delays performance and shall state the revised date for performance.

Governmental action under this paragraph does not include or refer to any other governmental agency's request for service or repair. Ci shall not use another government agency's need for service as a reason to delay providing any type of service to the County.

**11.0 CANCELLATION**

- (A) This Contract may be terminated by either party at will, with or without cause, upon not less than ninety (90) days' notice in writing by overnight delivery, personal delivery, or registered mail return receipt requested to the other party. Such notice shall be effective upon receipt.
- (B) This Contract will automatically expire prior to the expiration of the term set forth in Paragraph (A) of Section 4.0 of this Contract on an annual basis in the event that funds are not appropriated by the County for renewal.

**12.0 WARRANTIES**

- (A) Ci warrants that all Services performed hereunder shall be free from defects in materials and workmanship and shall be the kind and quality necessary to assure performance of the equipment as intended and in accordance with the terms of this Contract.
- (B) Ci shall warrant all parts and materials per the manufacturer's warranty. The warranty period begins when the applicable agency under this Contract takes receipt of equipment.
- (C) Replacement of any parts, equipment and/or materials which are under warranty shall be performed without cost to the County for the parts, equipment, and/or materials, labor, or any shipping expense should the equipment be returned to a Harris Corporation facility or other OEM vendor's facility for service.

- (D) Except as set forth in this Section, Ci makes no warranties, express or implied, relating to the equipment including, without limitation, the warranties of merchantability or fitness for a particular purpose of the equipment. The manufacturer standard warranty will apply in this case.
- (E) If equipment is out of service in excess of 30 days for warranty repair, the warranty period may be extended for the number of days the equipment is in the possession of Ci's or Harris.

**13.0 FOR WORK ON THE PREMISES**

For the Ci work under this Contract which involves operations by Ci on the premises of the County, Ci shall take all necessary precautions to prevent the occurrence of any injury to person or property during the progress of such work and Ci shall maintain such Public Liability Property Damage and Employee's Liability and Compensation Insurance as will protect the County from said risks and from claims of any kind including, but not limited to, claims under any applicable Worker's Compensation and Occupational Disease Acts.

**14.0 INDEMNIFICATIONS**

- (A) Ci hereby agrees that Ci shall indemnify and save harmless Brevard County from any and all liability, claims, damages, expenses, including attorney's fees, proceedings, and causes of action of every kind and nature, including losses incurred or suffered in consequences—either of bodily injury to any person or damage to any property, to the extent directly caused by the negligence or intentional wrongful act or omission of Ci, its agents, employees, or any of its subcontractors, in connection with or pursuant to this Contract. Ci further agrees that it shall, at its own expense, defend any and all claims, suits, or proceeding, which may be brought against Brevard County in connection with Ci. This includes, such acts or omissions of any of its employees, agents or subcontractors, and shall satisfy, pay and discharge any and all judgments that may be entered against Brevard County in any such action or proceeding.
- (B) The parties agree that specific consideration has been paid to and received by Ci in return for this indemnification and hold harmless provision.

**15.0 INSURANCE**

Ci, at its own expense, shall keep in force and at all times maintain during the term of this Agreement:

- (A) General Liability Insurance: General Liability Insurance issued by responsible insurance companies and in a form acceptable to the County, with combined single limits of not less than One Million Dollars (\$1,000,000) for Bodily Injury and Property Damage per occurrence.
- (B) Automobile Liability Insurance: Automobile Liability coverage shall be in the minimum amount of One Million Dollars (\$1,000,000) combined single limits for Bodily Injury and Property Damage per accident.
- (C) Workers' Compensation Coverage: Full and complete Workers' Compensation

Coverage, as required by State of Florida law, shall be provided.

- (D) Insurance Certificates: Ci shall provide the County with Certificate(s) of Insurance on all the policies of insurance and renewals thereof in a form(s) acceptable to the County. Said Liability Policies shall provide that the County be an additional insured. The County shall be notified in writing of any reduction, cancellation or substantial change of policy or policies at least thirty (30) days prior to the effective date of said action. All insurance policies shall be issued by responsible companies who are acceptable to the County and licensed and authorized under the laws of the State of Florida.
- (E) Ci shall not be relieved of any liability assumed under this Contract by reason of its failure to secure and maintain insurance as required by this Section.

**16.0 NOTICES**

All notices or requests required to be given hereunder and all other communications related to this Contract shall be in writing and shall be deemed to have been duly given if personally delivered, sent by certified or registered mail return receipt requested, or commercial overnight delivery courier service (such as Federal Express) as follows:

If to Ci:

Communications International, Inc.  
4450 U.S. Highway 1  
Vero Beach, FL 32967  
Attn: Customer Service

If to the Brevard County BOCC:

Brevard County Emergency Management  
1746 Cedar Street  
Rockledge, FL 32955  
Attn: Public Safety Radio System Manager

**17.0 WAIVER OF TERMS AND CONDITIONS.SURVIVAL**

- (A) The failure of Ci or the County in any one or more instances to insist upon performance of any of the terms and conditions of this Contract, or to exercise any right or privilege contained in this Contract or a party's waiver of any breach of the terms or conditions of this Contract shall not be construed as thereafter waiving any such terms, conditions, rights or privileges, and the same shall continue and remain in force and effect as if no waiver had occurred.
- (B) Either Party's obligations under this Contract which by their nature would continue beyond the termination, expiration or cancellation of this Contract shall survive termination, expiration, or cancellation of this Contract including, but not limited to, warranties, indemnity, and limitation of liability.

**18.0 PARTIAL INVALIDITY, HEADINGS**

- (A) If any term or provision of this Contract shall be found to be illegal or unenforceable then, notwithstanding same, this Contract shall remain in full force and effect and such term of provision shall be deemed stricken.
- (B) The headings of each section of this Contract are provided for convenience only. If any conflict of interpretation arises between a heading and text, the text will control.

**19.0 ORDER OF PRECEDENCE**

Any inconsistency between this Contract, Purchase Order Releases, the specifications and other documents will be resolved by giving precedence to those documents in the following order, with the document to be given greatest precedence listed first:

- 1) Purchase Orders with non-standard terms and conditions accompanied by a mutually approved Statement of Work.
- 2) This Contract and Attachments.
- 3) Purchase Orders with standard terms and conditions.

**20.0 ENTIRE CONTRACT AND MODIFICATION**

This Contract and the Attachments hereto and made a part hereof sets forth the entire Contract of the Parties with respect to the subject matter hereof and supersedes and merges all prior Contracts and understandings. No amendment, modification, or waiver of any provisions of this Contract or consent to any departure there from shall be effective unless in writing signed by duly authorized officers of both parties.

**21.0 NOTICE OF CERTAIN LAWS**

The laws of the State of Florida impose civil and misdemeanor criminal penalties for violation of purchasing guidelines. In addition, the laws of the State of Florida impose felony penalties for bribes, gratuities, and kickbacks.

**22.0 GOVERNING LAWS AND VENUE.**

The laws of the State of Florida shall govern the interpretation, administration, and enforcement of this Contract entered into by and between Ci and the County. Any and all legal action brought to enforce or to interpret this Contract shall be brought and maintained in the appropriate state court in Brevard County, Florida.

In any and all legal action brought to enforce the terms of this Contract, each party shall be responsible for paying its own attorney's fees and costs. Furthermore, any legal action shall be non-jury.

**23.0 ADJUSTMENTS, MODIFICATIONS, AND AMENDMENTS**

- (A) Should the County and Ci mutually agree to a change in the scope of the work during the term of this Contract, the parties may negotiate the Contract price up or down as indicated by the change in the scope of the Contract. However, any amendment to the Scope of Work and Pricing of this Contract, as with any other amendment, must be in writing and signed by both parties, prior to such change being effective.
- (B) Changes in the provisions of this Contract of Products and Services to be rendered under this Contract may be made only in writing and must be mutually approved by an authorized agent of Ci and of the County.
- (C) Ci shall give full attention to the faithful execution of this Contract, shall keep this Contract under its control, and shall not by power of attorney or otherwise assign this Contract to any other party without the prior written approval of the County.
- (D) Should laws change requiring additional Services or significant changes in cost, Ci and the County will negotiate an equitable price increase. The reverse will hold true should laws change requiring fewer Services or reductions in cost, in which case Ci and the County will negotiate an equitable price reduction.
- (E) During the term of this Contract, Ci shall furnish all the Services specified in this Contract. Ci understands and agrees that this is a requirements Contract and that the County has no responsibility or obligation to Ci to assist in providing the required services.

**24.0 DEFAULT**

Either party has the right to terminate this Contract as a result of the other party's failure to comply with, or a violation of the terms and conditions of this Contract by following the procedure set out herein. If a party fails to comply with or violates its duties or obligations under this Contract (with the exception of the County's obligation to make payments) the other party shall give the non-compliant party written notice of the failure to comply or the violation. The non-compliant party shall have 3 working days to come into compliance with the Contract. If the non-compliant party fails to come into compliance or resolve the issue, the other party may issue a written notice of termination of the Contract to the non-compliant party, which shall be effective thirty (30) days from the date that the Notice of Termination was received.

With regard to any failure of the County to make payments for undisputed work or delivered products and equipment under this Contract, Ci shall first notify the County in writing that Ci has not received any payment due by the County to Ci. The County shall have 30 days within which to remedy any confirmed delinquency in payment. Ci shall be entitled to all its remedies under the Florida Prompt Payment Act. At the end of this 30 day period, if the County has not paid Ci for any sums the County agrees are due and owed, Ci may then terminate the Contract.

Under any circumstance of early termination, Ci shall reimburse the County for any

payments made to Ci in advance for work not performed by Ci as of the effective date of the termination. Such payments shall be paid to the County within 15 days from the effective date of the early termination.

**25.0 RIGHT TO AUDIT RECORDS**

In performance of this Contract, Ci shall keep books, records, and accounts of all activities related to this Contract, in compliance with generally accepted accounting procedures. All documents, papers, books, records, and accounts made or received by Ci in conjunction with this Contract and in performance of this Contract shall be open to inspection during regular business hours by an authorized representative of the County and shall be retained by Ci for a period of 5 years after the termination of this Contract, unless such records are exempt from Section 23(a) of Article I of the State Constitution and Section 119.07 Florida Statutes.

**26.0 PUBLIC RECORDS – EXEMPTIONS AND HOMELAND SECURITY**

If Ci receives any request for any records maintained or created pursuant to this Contract, before Ci (meaning any of its officers, agents, employees or subcontractors) provides records to anyone other than designated representatives of the County, it shall inform the designated representative of the County of the request for records by faxing or emailing the representative a copy of the request or a written description of the request. Ci shall not release any records until it receives the approval from the County's designated representative. All records must be reviewed for compliance with the Florida Public Records Act and the federal Homeland Security Act.

If Ci fails to comply with this paragraph on records, it shall reimburse the County for any attorney's fees and costs it incurs to retrieve such records, for any damages the County sustains as a result of the release of the records, and for the replacement of any systems, equipment, software, etc. necessary to maintain the security of the County's two way radio system

**27.0 USE OF FEDERAL E-VERIFY SYSTEM REQUIRED**

Ci shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by Ci during the term of the Contract, and shall expressly require any subcontractors performing work or providing services pursuant to this Contract to likewise use the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

Brevard County BOCC Contract Ci

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals on the day and year first above written.

THE COUNTY

Brevard County Board of County Commissioners, A Political subdivision of the State of Florida

By: [Signature]  
Curt Smith, Chairman

Date: 3/14/17

As approved by the Board on: 09/20/16

ATTEST/AUTHENTICATED:

[Signature]  
Scott Ellis, Clerk

APPROVED AS TO FORM:

[Signature]  
OFFICE OF THE COUNTY ATTORNEY:

By: 3/9/17

Ci

By: [Signature]  
Signature

Date: 3/7/17

BARRY Keim, CFO  
Name & Title, Typed or Printed

Communications International, Inc.  
Name of Company, Corp., etc.

4450 US Highway 1  
Mailing Address

Vero Beach, FL 32967  
City, State, Zip

772-978-4135  
Area Code/Telephone Number

SEAL

ATTEST:  
[Signature]  
Signature

Mike Reed, VP of Operations  
Name & Title, Typed or Printed

# **ATTACHMENT A**

## **Maintenance Contract**

### **1. Scope**

During the term of this Contract as set forth in Section 4.0 of the Master Contract, Ci agrees to provide the County with;

(A) Repair, maintenance services and parts to maintain the County radio system as set forth herein.

(B) The products and services as described in Attachment B.

(C) The above services at the service rates set forth in Attachment C.

### **2. Condition of Service**

Ci shall supply all supervision, labor, service facilities, repair parts, test equipment, and supplies necessary to meet the service requirements stated herein.

#### **2.1 Service Facilities**

Ci shall have a full service maintenance facility available and staffed with factory trained service technicians. The location and staffing level shall be sufficient to meet the service requirements stated herein.

#### **2.2 Ci Personnel**

Ci shall provide a list of Ci employees (and any subcontractors) who will perform the work on the County system and equipment and for any entities which choose to utilize this Contract to have service performed on their respective two way radio system(s). The list shall include as follows: the name of each individual; what equipment each individual will work on; and the degrees, certifications and licenses each individual holds. This list shall be updated any time an individual is added or removed from the list. In any event the list shall be updated monthly to advise the County of any certifications or licenses renewed, added or lost by any given individual.

For each individual Ci intends to authorize to work on the County's equipment under this Contract, Ci shall provide the County with his/her background check, including a criminal history check. Ci shall be responsible for the cost of such background checks.

The County reserves the right to refuse to allow any given Ci employee or subcontractor to perform the work contracted for under this Contract based on the background check. Should the County ever exercise this refusal, Ci shall be responsible for submitting alternate personnel acceptable to the County with the necessary qualifications and prior background check approval to perform the work.

### **2.3 Fixed Equipment Maintenance**

Fixed equipment is defined as the site repeater stations and associated equipment, multi-site coordinator, console electronics equipment and radio control stations.

All work on fixed equipment shall be performed at the location of the equipment. Emergency service shall be provided twenty-four (24) hours per day, seven days per week. Technical personnel must respond within two (2) hours of the request for emergency service. This service is included in the monthly maintenance rate. No fixed equipment shall be out of service in excess of twenty-four (24) hours after notification of equipment failure when the failure results in the inability of mobile units to communicate with each other or with a dispatch center.

Ci will notify the customer, either verbally or in writing if a repair on an item of fixed equipment will exceed ten (10) business days. If a repair on an item of fixed equipment will exceed thirty (30) business days, unless the repair involves factors outside of Ci control, the monthly contract service charge for the particular item while out of service will be forfeited as penalty.

Ci shall not be liable for costs incurred for repair and/or replacement of equipment that becomes inoperative due to documented gross negligence on the part of the user, liquid intrusion, lightning damage, user installations, user removals, and/or acts of God. Any component parts replaced because of abuse on the part of the user shall be returned to the County for examination. Ci shall not be liable for costs incurred for correcting and/or repairing backbone damage and/or data corruption caused by improper operations or failure of associated systems. Associated systems are defined as any equipment used in the operations of the 800MHz Radio System that is not directly maintained by Ci.

### **2.4 User Terminal Equipment Maintenance**

User terminal equipment (UTE) is defined as all vehicular, mounted radios, personal portable radios, vehicular repeaters and portable radio chargers.

UTE shall normally be serviced at a Ci facility during normal working hours. Exceptions will be allowable with the mutual concurrence of the County's contract manager and the Ci Regional Manager responsible for Brevard service center operations. Emergency services shall be available twenty-four (24) hours per day, seven days per week. Emergency service on UTE equipment, if requested will be performed at the labor rate stated for demand emergency service.

The normal estimated time of repair of UTE delivered to Ci's local facility is three (3) to seven (7) business days. Ci will notify the customer, either verbally or in writing if a repair on an item of UTE will exceed ten (10) business days. If a repair on an item of UTE will exceed thirty (30) business days, unless the repair involves factors outside of Ci control, the monthly maintenance fee for the particular item will be forfeited as penalty. In the event of Ci's chronic failure to comply with the repair performance standards set forth above, the

County reserves the right to add a clause to this Contract defining a minimum parts inventory to be maintained at the Rockledge Service Center.

Ci shall not be liable for costs incurred for repair and/or replacement of equipment that becomes inoperative due to documented gross negligence on the part of the user, liquid intrusion, lightning damage, user installations, user removals, and/or acts of God. Any component parts replaced because of abuse on the part of the user shall be returned to the County for examination.

## **2.5 Working Hours**

Working hours are defined as 8:00 a.m. to 5:00 p.m. Monday through Friday excluding holidays observed by the County. Work performed outside of working hours is defined as emergency service; however, if work is begun prior to 5:00 pm during normal working hours but not yet completed, the work will continue and be billed at the regular rate.

## **2.6 Demand Services**

The installation, removal, or reinstallation of equipment shall be performed by Ci, following reasonable notice, and at the hourly, demand-rates listed in Attachment C under the demand services labor rates to this Contract. Service work made necessary because of abuse or neglect not under the control of Ci will be performed at the daytime hourly rate for demand service, plus parts. Special work, not otherwise covered, will be performed at prevailing rates, or may be performed by the County or its agents at the County election and expense.

## **2.7 Preventive Maintenance**

Within ten (10) business days of executing this Contract, Ci will provide the County a maintenance schedule which will outline all maintenance work to be performed setting out the equipment to be serviced, the location of the equipment, and the date projected for the service. The maintenance schedule shall be updated monthly reflecting whether or not the equipment due to be serviced for the preceding month was serviced or not, whether equipment had to be taken out of service and the projected return to service date. Ci will adhere to the following schedule:

### **(A) User Equipment**

#### **Quality Assurance Check:**

Ci will test all new Harris equipment prior to delivery in order to ensure it meets factory standards and is properly tuned, aligned, and programmed to work on the Brevard trunked system. This check shall be included as part of the baseline costing under standard Ci delivery for new equipment.

#### **Annual User Equipment test (Preventative Maintenance)\*:**

Perform verification on mobiles, portables and control stations covered by this Contract to validate factory specification. At a

minimum, the user test will include measurements of output power, correct modulation including data rates and analog or digital voice, checking transmit and receive frequency and receiver sensitivity, Correct any deficiencies found and document all results in a written report that can be provided to the County on request.

\* Damage due to gross physical abuse may be treated as Demand Service and will be billed accordingly.

**(B) Infrastructure**

Daily system test: Remotely access to review alarm conditions in the system. Investigate and note conditions. Print alarm reports when requested. This includes CEC Manager (MOM) system alarms. Review any continued alarm conditions and monitor.

Monthly system test: Verify that the system is fully functional with an end-to-end voice test of all trunked channels and conventional at all site and transmitter locations. Verify microwave BER meets specifications. Collect and analyze microwave error logs as needed for any events causing unavailable seconds. Perform monthly inspection of sites using checklist provided by the County including visual observation of antennas/antenna tower, guy wires and guy points, antenna tower obstruction lighting and remote controller. Check obstruction lighting for proper functioning. Note deficiencies found where applicable for corrective action and provide the County a copy of the completed checklist.

Annual Preventive Maintenance: Perform preventative maintenance checks on all trunked and conventional repeater stations and site equipment to include: power output, modulation levels, high speed data, low speed data, analog deviation, output frequency, and receive sensitivity. Check antenna forward power, antenna reflected power, combiner performance, and multi-coupler performance at all sites, both conventional and trunked. Sweep and save Return Loss plots for all base stations antennas trunked and conventional. Document results using a standard reporting format. Correct any deviations from system specifications. Perform monthly site inspection using checklist provided by the County, providing a copy of the completed checklist and noting deficiencies found to the County where applicable for corrective action.

**2.8 Service Records**

Copies of billable service records and County work orders will be provided by Ci to the County contract manager every two weeks at a minimum. The parties shall agree upon an electronic format of transmitting the service records, which shall include a scanned copy of the work order (which shall have a legible signature from an authorized representative of the County before it will be accepted to be processed for payment) with each service record and request for payment.

Copies of non-billable service records will be retained by Ci during the lifespan of the Contract and any subsequent extensions, and a copy of the same will be provided to the County upon request.

### **2.9 Database Reprogramming**

Annual UTE radio software updates will be provided by Ci during annual Preventative Maintenance. Logical ID terminal equipment reprogramming changes will be provided upon request at no cost to the customer.

### **2.10 Additions and Deletions**

The quantity of units to be maintained & serviced may be added to or subtracted from the Contract while the Contract is in force. New units purchased in any given budget fiscal year may be added to the Contract in the month following the expiration date of the manufacturer's warranty.

All units added to or removed from service in a particular month, will be added to or dropped from charges to the user the following month. Written authorization (EMAIL acceptable) will be required to add to or delete from Attachment B. All units are to be identified with LID number, serial number, and County property number.

### **2.11 Batteries**

Due to the variation and inconsistency of battery manufacturers, all portable batteries used on portable equipment covered under this Contract must be certified by the radio manufacturer for use on that unit. Any repairs due to such non-certified batteries will be at the demand service rate plus materials. All batteries provided by Ci as new to a Brevard County or affiliated customer shall be engraved with an in-service date, location, and Work Order number.

### **2.12 Warranty**

All Services provided under this Contract shall be free from defects in materials and workmanship and shall be the kind and quality necessary to assure performance of the equipment in accordance with the terms of this Contract. See paragraph 12.0 of the Contract.

### **2.13 Incorporation from Master Contract**

All provisions in the Master Contract Sections 1.0 through 27.0 not inconsistent with the provisions contained in this Attachment A are incorporated herein and made a part hereof by reference.

### **2.14 Signal Coverage**

A. Communications International will report to Brevard County any repeated instances of user feedback, complaints, or documented deficiencies in coverage in any given areas of

Brevard County on the 800 MHz Public Safety Trunked System.

B. 800 MHz system users will be requested to submit an on-line request via the County's radio system website <http://www.brevardcounty.us/EmergencyManagement/PublicSafetyRadio/ForTheUsers>) in the event that repeated coverage deficiencies are identified.

C. Upon request from the 800 MHz administration office, Ci will perform signal strength testing and advise if there is a documented, repeatable system signal coverage issue in the indicated area(s).

D. Upon request from the 800 MHz administration office via radio communications work order, Ci will attempt to enhance the coverage in any identified dead spot areas within the technical limitations of the system hardware and the limitations in coverage patterns as defined by the Federal Communications Commission and the Region 9 committees.

E. Ci will provide written documentation of their actions in addressing any signal coverage complaints to the County for their files and further action.

## **2.15 Coordination of radio system operations**

A. In the event of a staffing shortfall or other such circumstance as the needs of the County may dictate, Brevard County shall have the option of procuring ongoing professional services from Ci to address the County's needs for management of certain aspects of integrated radio system operations. These services may include but are not limited to the following services, which maybe procured asneeded:

1. VIDA interoperability switch database management and operations to include coordination with requesting user(s) and documentation of changes to the satisfaction of the County;
2. Communications Systems Director database management and operations to include coordination with requesting user(s) and documentation of changes to the satisfaction of the County;
3. FCC radio licensing preparation services, license management, and license monitoring services;
4. Monitoring and management of outside vendor operations to assure quality control and correct delivery of services. This may also include services provided by other County offices to the radio system.
5. System planning and design services for both trunked and conventional radio systems. Interface with system users to insure correct operation of the radio system as well as coordinating responses to user questions.
6. Radio tower and antenna site management and site design services.

7. Other professional services as requested by the Emergency Management Director within the Board-authorized scope of services under this Contract.

B. Rate(s) for these services shall be offered to the County by Ci on a monthly basis and shall be presented on a comprehensive flat-rate basis, not split by type of service.

C. Ci will advise the County if, in its best judgment, services requested are not within Ci's ability to perform the same. Inability of Ci to perform and deliver service as requested under this section will not prejudice the continuity of the Contract as a whole.

## **2.16 In-building public safety radio system signal assessments**

At the request of the Brevard County Public Safety Radio System Administrator, Communications International will provide in-building public safety radio system signal strength assessments on a demand service basis as noted in Attachment C.

- A. Initial Assessment – This assessment is a pre BDA/DAS install assessment of radio signal levels and Distributed Audio Quality (DAQ) for new or existing structures as requested by the Brevard County Public Safety Radio System Administrator. Protocol associated with this assessment is outlined in Attachment H.
- B. Post-BDA/DAS installation assessment – This assessment is a post- BDA/DAS install assessment of radio signal levels and Distributed Audio Quality (DAQ) for new or existing structures as requested by the Brevard County Public Safety Radio System Manager. Protocol associated with this assessment is outlined in Attachment I.
- C. Annual operational assessment - This assessment of radio signal levels and Distributed Audio Quality (DAQ) is an annual assessment of an existing BDA/DAS system in existing structures as requested by the Brevard County Public Safety Radio System Administrator. Protocol associated with this assessment is outlined in Attachment J.

**ATTACHMENT B**  
**Equipment and Pricing Lists**



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Customer Details**

Brevard County Emergency Management	Bill To: Brevard County Emergency Management
1746 Cedar Street	1746 Cedar Street
Rockledge, FL 32955	Rockledge, FL 32955

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
Zetron	Zetron Switch	\$75.00	\$900.00
	Switch Total:1	\$75.00	\$900.00

Zetron	Console	\$100.00	\$1,200.00
Zetron	Console	\$100.00	\$1,200.00
Zetron	Console	\$100.00	\$1,200.00
	Console Total: 3	\$300.00	\$3,600.00
9153763	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9153825	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167654	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167901	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167902	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9220103	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220104	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220241	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
A401220030F5	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A401220030F7	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A401220030F8	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A4012200311E	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003120	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003121	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00

A40122003122	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003124	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003125	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003126	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003B87	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003B89	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003COD	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003COE	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003COF	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003C10	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
A40122003C11	MAEVT7HXX-Portable, P7370, System	\$10.00	\$120.00
Portables Total: 25		\$250.00	\$3,000.00
9042250	MAHGS8MXX-M7100 Mobile	\$10.00	\$120.00
9042775	MAHGS8MXX-M7100 Mobile	\$10.00	\$120.00
9131174	MAHGS8MXX-M7100 Mobile	\$10.00	\$120.00
9135633	MAHGS8MXX-M7100 Mobile Mims/Scottsmoore	\$10.00	\$120.00
9135634	MAHGS8MXX-M7100 Mobile Sebastain	\$10.00	\$120.00
9136851	MAHGS8MXX-M7100 Mobile	\$10.00	\$120.00
9137124	MAHGS8MXX-M7100 Mobile	\$10.00	\$120.00
9137149	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9184323	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198513	MAHGS8MXX-M7100 IP, Mobile	\$10.00	\$120.00
9199971	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199988	MAHGN8MXX-M7100 Mobile Sebastain	\$10.00	\$120.00
9199991	MAHGN8MXX-M7100 Mobile Titusville	\$10.00	\$120.00
9200108	MAHGN8MXX-M7100 Mobile Titusville	\$10.00	\$120.00
9200111	MAHGN8MXX-M7100 Mobile Mims/Scottsmoore	\$10.00	\$120.00
9200225	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200371	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201032	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213142	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213321	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213478	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213480	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213481	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9215287	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9817368	MAHGSUMXX-Mobile, M7100 IP, 450-512MHZ	\$10.00	\$120.00
9900076	MAHGSHHXX-Mobile, M7100IP, VHF 136-174MHZ	\$10.00	\$120.00
A40201009170	XM100F-Unity Moblie, XG-100M	\$10.00	\$120.00

A40201009171	XM100F-Unity Moblie, XG-100M	\$10.00	\$120.00
Mobiles Total: 28		\$280.00	\$3,360.00
A40153006729	DMM78B-MOBILE,XG-25M (6/9/17)	\$3.33	\$39.96
A40153007014	DMM78B-MOBILE,XG-25M (5/28/17)	\$3.33	\$39.96
A40153007015	DMM78B-MOBILE,XG-25M (5/28/17)	\$3.33	\$39.96
A40153007453	DMM78B-MOBILE,XG-25M 8/31/16	\$0.83	\$9.96
Pro-Rated Mobiles Total: 4		\$10.82	\$129.84

9215289	DSDX04-Desktop Base Station SN 9990699	\$16.00	\$192.00
9213326	DSDX04-Desktop Base Station SN 9213326	\$16.00	\$192.00
Desktop Station Total: 2		\$32.00	\$384.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		\$947.82	\$11,373.84

**This is verifying equipment only and is not authorizing payment.**

**Equipment List Approval:**

**Signature:** Kimberly Prosser

**Printed Name:** Kimberly Prosser

**Date Approved:** 2/9/17



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**  
  
**ORIGINAL**

**Customer Details**

Brevard County Fire Rescue  
 1040 South Florida Avenue  
 Rockledge, FL 32955

Bill To: Brevard County Fire Rescue  
 1040 South Florida Avenue  
 Rockledge, FL 32955

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
9015634	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9015991	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9015992	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9015993	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9015997	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9016423	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9016424	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9016470	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9016474	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9017232	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9017233	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9017234	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9017236	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9017237	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9020364	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9020365	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9020430	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9022012	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9025759	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9025935	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9102164	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9102165	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00

9102166	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9102167	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9102904	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9103599	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9103600	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104663	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104724	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104725	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104726	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104729	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104730	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104794	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104795	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104796	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9104799	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9105034	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9105035	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9105036	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9105037	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9105038	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9153794	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9153882	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9153951	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9154378	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154379	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154380	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154383	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154384	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154385	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154386	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9157941	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9157947	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9157980	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9158168	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9159039	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9167261	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9167264	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9167726	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9167483	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167486	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00

9167487	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167488	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167507	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9167659	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167662	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167663	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167665	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167667	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9167900	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9168239	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9168241	HT7170T81X-Jaguar P7170 System Portable	\$10.00	\$120.00
9168242	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9168244	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9168245	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9168246	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9218116	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218117	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218118	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218120	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218122	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218123	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218125	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218161	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218163	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218164	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218166	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218167	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218168	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218169	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218170	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218171	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218173	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218203	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9218242	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219150	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219154	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219155	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219228	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219229	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9219231	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00



9220274	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220275	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220284	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220342	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220343	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220344	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220345	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220516	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220517	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220518	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220519	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220520	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220524	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220525	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9220783	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221227	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221235	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221366	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221436	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221440	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221441	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221442	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221444	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221740	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221741	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9221743	MAHMS8RXX-Portable, P5150, EDACS ,Scan	\$10.00	\$120.00
9238932	MAHMS8PXX-Portable, P5150, Provoice	\$10.00	\$120.00
9259947	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9260349	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9260519	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9260520	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261211	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261212	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261214	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261217	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261218	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261239	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9261240	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9270358	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9270359	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00

9919266	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919268	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919269	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919270	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919273	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919384	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
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9919388	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919389	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919390	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919391	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919392	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919640	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919641	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919642	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9919643	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9951759	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9952067	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9952068	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9952069	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9954183	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9954186	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9955824	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
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9955827	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9955828	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9955993	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956006	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956007	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956008	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
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9956012	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956013	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956054	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956055	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9956056	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00

9154627*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154660*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154661*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
A40110002886	MAEXC81XX-Portable, P5450, Scan	\$10.00	\$120.00
A40121005198	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005199	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A4012100519A	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A4012100519B	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A4012100519C	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A4012100549B	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A4012100549C	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A401210054B7	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005EC6	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005EC8	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005EC9	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005ECA	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40121005ECB	MAEVS7HXX-Scan Portable P7350	\$10.00	\$120.00
A40204000812	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000813	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000814	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000815	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000816	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000817	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000818	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000819	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A4020400081A	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A4020400081B	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A4020400081C	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A4020400081D	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A4020400081E	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000820	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000821	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000822	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000823	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000824	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000825	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000880	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000881	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000882	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000883	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00

A40204000884	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000885	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000886	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000887	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000888	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000889	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000A07	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000A08	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000A09	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204000A0A	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A402040011D6	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A402040011D7	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A402040011D8	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A402040011D9	EVXGPB78Y- Scan Portable XG75	\$10.00	\$120.00
A40204002B88	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B89	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8A	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8B	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8C	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8D	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8E	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B8F	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B90	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B91	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002B92	Portable,XG-75,Scan, Yellow	\$10.00	\$120.00
A40204002BB2	Portable,XG-75,764-870 MHz,Scan, Yellow	\$10.00	\$120.00
<b>Portables Total: 288</b>		<b>\$2,880.00</b>	<b>\$34,560.00</b>
A40204004739	Portable,XG-75,764-870 MHz,Scan, Yellow 1/22/17	\$6.66	\$79.92
A40204004CD6	Portable XG-75, 764-870 MHz, Scan, Black 4/24/17	\$4.16	\$49.92
A40204004CD7	Portable XG-75, 764-870 MHz, Scan, Black 4/24/17	\$4.16	\$49.92
A40204005096	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005097	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005099	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400509A	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005186	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005187	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005188	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005189	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400518A	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92

A4020400518B	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400518C	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400518D	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400518E	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400518F	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519A	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519B	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519C	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519D	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519E	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A4020400519F	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040051A0	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040051A1	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040051A2	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040051A3	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052F8	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052F9	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FA	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FB	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FC	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FD	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FE	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A402040052FF	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005300	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
A40204005301	Portable XG-75, 764-870 MHz, Scan, Black 1/22/17	\$6.66	\$79.92
<b>Pro-Rated Portables Total: 37</b>		<b>\$241.42</b>	<b>\$2,897.04</b>
8001638	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8002403	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8003871	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8004498	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8004499	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8004501	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9009161	MAHGSHMXX-M7100, 136-174MHZ	\$10.00	\$120.00
9041110	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9041204	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9041941	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9041943	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042283	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042374	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00

9042804	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042878	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9068386	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9068387	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9068389	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9068390	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9071984	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9072063	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072064	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072662	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072992	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073164	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9073265	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9075415	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9075451	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9130439	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9130687	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9130821	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130822	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130928	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130929	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130930	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130950	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131042	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131043	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131071	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131074	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131075	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131086	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131087	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131088	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131089	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131090	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131369	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131442	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131443	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131540	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131567	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131568	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131569	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00

9131576	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131577	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131578	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131579	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131580	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131734	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131735	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131786	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131787	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131803	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9131859	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132231	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132235	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132271	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132311	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132312	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132315	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9132401	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9132513	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9132514	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9132603	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136182	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136199	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136678	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136679	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136680	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136691	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136692	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136693	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136695	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136764	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136807	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136853	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136910	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136956	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136957	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136958	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136959	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136960	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9137049	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00

9137071	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9137072	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9137074	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9137080	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9137147	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199866	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199892	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199893	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199897	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199900	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199901	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200269	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200433	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200454	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200455	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200943	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200973	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200974	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201020	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201021	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201035	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9202239	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9208267	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9208857	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211578	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211579	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211625	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211626	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211742	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211743	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211744	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211745	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9211746	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9212788	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9212801	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9329563	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
A4011E033362	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E041252	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E047512	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E047514	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00

A4011E047532	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E047846	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E059376	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E059378	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E059379	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E059380	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060286	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060416	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060417	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060419	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060420	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060443	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E060444	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E062536	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E062537	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E068681	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E068682	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E069088	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E069089	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E069091	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E069092	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E073338	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E073341	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E073343	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
A4011E073345	MAMWSDMXX-Mobile, M7300		\$10.00	\$120.00
<b>Mobiles Total: 158</b>			\$1,580.00	\$18,960.00
A4011E078461	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078462	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078463	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078464	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078465	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078466	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078467	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078476	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078477	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078478	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078479	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078480	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078511	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92

A4011E078512	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078513	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078514	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078515	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078521	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078522	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078523	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078524	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078525	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078556	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078557	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078558	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078596	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078597	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078598	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078599	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078600	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078626	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078627	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078628	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078629	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078631	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078632	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078633	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078634	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A4011E078635	Mobile,M7300, 764-870 MHz	1/22/17	\$6.66	\$79.92
A40153006096	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006097	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006098	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006099	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006100	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006116	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006117	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006118	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006119	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
A40153006120	MOBILE,XG-25M,700/800 MHz,35W	1/22/17	\$6.66	\$79.92
Pro-Rated Mobiles Total: 49			\$326.34	\$3,916.08
9044382	DSDX04-Desktop Base Station SN 9988057 STA 44		\$16.00	\$192.00
9044384	DSDX04-Desktop Base Station SN 9988058 STA 80		\$16.00	\$192.00

9044775	DSDX04-Desktop Base Station SN 9988059 CONS 18	\$16.00	\$192.00
9044174	DSDX04-Desktop Base Station SN 9988062 LOANER	\$16.00	\$192.00
9044390	DSDX04-Desktop Base Station SN 9988063 FRC	\$16.00	\$192.00
9044385	DSDX04-Desktop Base Station SN 9988064 PARRISH	\$16.00	\$192.00
9044732	DSDX04-Desktop Base Station SN 9988065 STA 40	\$16.00	\$192.00
9044383	DSDX04-Desktop Base Station SN 9988066 STA 43	\$16.00	\$192.00
9044387	DSDX04-Desktop Base Station SN 9988067 STA 42	\$16.00	\$192.00
9044381	DSDX04-Desktop Base Station SN 9988068 HOLMES	\$16.00	\$192.00
9044388	DSDX04-Desktop Base Station SN 9988069 WUEST	\$16.00	\$192.00
9044772	DSDX04-Desktop Base Station SN 9988071 CCH	\$16.00	\$192.00
9044171	DSDX04-Desktop Base Station SN 9988097 STA 47	\$16.00	\$192.00
9044377	DSDX04-Desktop Base Station SN 9988098 FLEET	\$16.00	\$192.00
9044588	DSDX04-Desktop Base Station SN 9988103 STA 89	\$16.00	\$192.00
9044767	DSDX04-Desktop Base Station SN 9988171 MI VFD	\$16.00	\$192.00
<b>Desktop Stations Total: 16</b>		<b>\$256.00</b>	<b>\$3,072.00</b>

BCFRADDER1	M7300 Dual Control Adder R26	\$3.00	\$36.00
BCFRADDER2	M7300 Dual Control Adder R48	\$3.00	\$36.00
BCFRADDER3	M7300 Dual Control Adder R24	\$3.00	\$36.00
BCFRADDER4	M7300 Dual Control Adder R83	\$3.00	\$36.00
BCFRADDER5	M7300 Dual Control Adder R60	\$3.00	\$36.00
BCFRADDER6	M7300 Dual Control Adder OLD 84	\$3.00	\$36.00
BCFRADDER7	M7300 Dual Control Adder R41	\$3.00	\$36.00
BCFRADDER8	M7300 Dual Control Adder R61	\$3.00	\$36.00
BCFRADDER9	M7100 Dual Control Adder R20	\$3.00	\$36.00
BCFRADDER10	M7300 Dual Control Adder R22	\$3.00	\$36.00
BCFRADDER11	M7300 Dual Control Adder R222	\$3.00	\$36.00
BCFRADDER12	M7300 Dual Control Adder R23	\$3.00	\$36.00
BCFRADDER13	M7100 Dual Control Adder R29	\$3.00	\$36.00
BCFRADDER14	M7300 Dual Control Adder R45	\$3.00	\$36.00
BCFRADDER15	M7100 Dual Control Adder R46	\$3.00	\$36.00
BCFRADDER16	M7100 Dual Control Adder R500	\$3.00	\$36.00
BCFRADDER17	M7100 Dual Control Adder R501	\$3.00	\$36.00
BCFRADDER18	M7100 Dual Control Adder R62	\$3.00	\$36.00
BCFRADDER19	M7100 Dual Control Adder R63	\$3.00	\$36.00
BCFRADDER20	M7100 Dual Control Adder R64	\$3.00	\$36.00
BCFRADDER21	M7100 Dual Control Adder R66	\$3.00	\$36.00
BCFRADDER22	M7300 Dual Control Adder R68	\$3.00	\$36.00
BCFRADDER23	M7300 Dual Control Adder R80	\$3.00	\$36.00
BCFRADDER24	M7100 Dual Control Adder R81	\$3.00	\$36.00

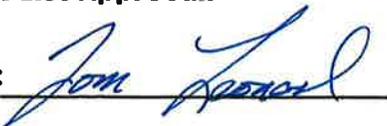
BCFRADDER25	M7100 Dual Control Adder R84	\$3.00	\$36.00
BCFRADDER26	M7100 Dual Control Adder R85	\$3.00	\$36.00
BCFRADDER27	M7100 Dual Control Adder R86	\$3.00	\$36.00
BCFRADDER28	M7100 Dual Control Adder R88	\$3.00	\$36.00
BCFRADDER29	M7100 Dual Control Adder RESCUE 3	\$3.00	\$36.00
BCFRADDER30	M7100 Dual Control Adder RESCUE 4	\$3.00	\$36.00
BCFRADDER31	M7100 Dual Control Adder RESCUE44	\$3.00	\$36.00
BCFRADDER32	M7100 Dual Control Adder RESCUE 5	\$3.00	\$36.00
BCFRADDER33	M7100 Dual Control Adder RESCUE 6	\$3.00	\$36.00
BCFRADDER34	M7100 Dual Control Adder RESCUE 7	\$3.00	\$36.00
BCFRADDER35	M7100 Dual Control Adder RESCUE 8	\$3.00	\$36.00
BCFRADDER36	M7100 Dual Control Adder RESCUE 9	\$3.00	\$36.00
BCFRADDER37	M7100 Dual Control Adder RESCUE2	\$3.00	\$36.00
<b>Dual Control Adders Total: 37</b>		\$111.00	\$1,332.00

BCFRA	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRB	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRC	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRD	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRE	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRF	C3NT Maesto Console	\$100.00	\$1,200.00
BCFRG	C3NT Maesto Console	\$100.00	\$1,200.00
<b>Consoles Total: 7</b>		\$700.00	\$8,400.00
BCFRENCODER1	9050141-Model 15 Zetron Paging Encoder	\$28.00	\$336.00
BCFRENCODER2	9050141-Model 15 Zetron Paging Encoder	\$28.00	\$336.00
<b>Zetron Encoders Total: 2</b>		\$56.00	\$672.00
BCFRINTERFAC	188D5909P1-T1/E1 Interface Card	\$11.00	\$132.00
<b>EMC Interface Total: 1</b>		\$11.00	\$132.00
9069777	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9136193	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136257	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136259	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136260	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
<b>Four Communities Mobiles Total: 5</b>		\$50.00	\$600.00
9154422	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9220285	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00

9154523*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154527*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154622*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
9154625*	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
<b>Four Communities Portables Total: 6</b>		\$60.00	\$720.00
9153792	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9153827	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9153983	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
9219891	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9219893	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220237	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220785	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221184	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
<b>Merritt Island Portables Total: 8</b>		\$80.00	\$960.00
9072678	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200175	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
<b>Merritt Island Mobiles Total: 2</b>		\$20.00	\$240.00
9220239	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220240	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220244	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220276	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220277	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220280	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220550	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9918380	HT7150S81X-P7150 Scan Portable	\$10.00	\$120.00
<b>Mims Portables Total: 8</b>		\$80.00	\$960.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$6,451.76</b>	<b>\$77,421.12</b>

This is verifying equipment only and is not authorizing payment.

**Equipment List Approval:**

Signature: 

Printed Name: Tom Leonard

Date Approved: 2/10/2017



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**  
  
**ORIGINAL**

**Customer Details**

Brevard County Facilities Management  
 2725 Judge Fran Jamieson Way Bldg A  
 Viera, FL 32940

Bill To: Brevard County Facilities Management  
 2725 Judge Fran Jamieson Way Bldg A  
 Viera, FL 32940

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
9220777	MAHMS8RXX- P5150 Portable SCan	\$10.00	\$120.00
9218119	MAHMS8RXX- P5150 Portable SCan	\$10.00	\$120.00
9220486	MAHMS8RXX- P5150 Portable SCan	\$10.00	\$120.00
9220491	MAHMS8RXX- P5150 Portable SCan	\$10.00	\$120.00
Portables Total: 4		\$40.00	\$480.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$40.00</b>	<b>\$480.00</b>

This is verifying equipment only and is not authorizing payment.

**Equipment List Approval:**

Signature: 

Printed Name: Scott Barrett

Date Approved: 9/8/16

COPY



Exhibit B

ORIGINAL

4450 Us Highway 1  
Vero Beach, FL 32967  
Phone: (772) 569-5355  
Fax: (772)567-2292

**Customer Details**

Brevard County Central Fleet  
4694 North Wickham Road  
Melbourne, FL 32935

Bill To: Brevard County Central Fleet  
4694 North Wickham Road  
Melbourne, FL 32935

**Document Details**

Contract #  
Purchase Order #  
Covered Period - 10/01/2016 -09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
9220281	MAHMS8RXX- Portable P5150 Scan	\$10.00	\$120.00
	Portable Total: 1	\$10.00	\$120.00
		<b>Monthly</b>	<b>Annual</b>
	<b>GRAND TOTALS:</b>	<b>\$10.00</b>	<b>\$120.00</b>

This is verifying equipment only and is not authorizing payment.

**Equipment List Approval:**

Signature:

Printed Name: Rob Biller

Date Approved: 5/19/16



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**

**ORIGINAL**

**Customer Details**

Brevard County Public Works  
 (Road and Bridge)  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

Bill To: Brevard County Public Works  
 (Road and Bridge)  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
8004342	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042802	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042803	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042805	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042920	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042928	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042929	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043406	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043407	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043446	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043671	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043673	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043674	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043675	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043706	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130752	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130753	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131091	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131092	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131413	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131515	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00

9131536	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131537	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131570	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132524	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132525	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132601	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198432	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198557	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198558	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198559	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198561	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198820	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199487	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199488	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199489	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199490	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199491	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199548	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199549	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199578	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199766	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199863	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199864	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199898	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200267	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200268	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200432	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200617	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200618	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200957	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200958	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200959	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200960	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201591	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9203502	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9203503	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
Mobiles Total: 57		\$570.00	\$6,840.00

9988169	DSDX04-Desktop Base Station SN 9044769	\$16.00	\$192.00
9988179	DSDX04-Desktop Base Station SN 9043914	\$16.00	\$192.00

9988183	DSDX04-Desktop Base Station SN 9044773	\$16.00	\$192.00
9988195	DSDX04-Desktop Base Station SN 9043911	\$16.00	\$192.00
9988198	DSDX04-Desktop Base Station SN 9044770	\$16.00	\$192.00
9988205	DSDX04-Desktop Base Station SN 9043913	\$16.00	\$192.00
9988207	DSDX04-Desktop Base Station SN 9044002	\$16.00	\$192.00
9988185*	DSDX04-Desktop Base Station SN 9044740	\$16.00	\$192.00
Desktop Stations Total: 8		\$128.00	\$1,536.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$698.00</b>	<b>\$8,576.00</b>

**This is verifying equipment only and is not authorizing payment.**

**Equipment List Approval:**

**Signature:**



**Printed Name:**

RICHARD ADAMSON

**Date Approved:**

9/29/16



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**

**ORIGINAL**

**Customer Details**

Brevard County Space Coast Area Transit	Bill To: Brevard County Space Coast Area Transit
401 South Varr Avenue	401 South Varr Avenue
Cocoa, FL 32922	Cocoa, FL 32922

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
BCSCAT	C3NT Maesto Console	\$100.00	\$1,200.00
	Console Total: 1	\$100.00	\$1,200.00
8004210	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
8004211	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037101	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037102	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037103	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037104	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037105	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037166	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037167	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037181	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037182	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037183	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037184	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037185	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037206	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037207	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037208	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037209	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9037210	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00

9042787	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042868	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9072659	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072660	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072681	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130964	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130965	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130974	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130975	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131021	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131022	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131072	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131073	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131561	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131562	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131702	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131733	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132233	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132273	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9133956	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9133957	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9133958	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9133959	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9133960	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9134490	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
33506204	D28MTX-ORION, EDACS, MOBILE	\$10.00	\$120.00
A4011E067828	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E067883	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E067884	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E067885	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E067886	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E067887	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E068203	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E068535	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E068536	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
A4011E068537	MAMWSDMXX- Mobile,M7300	\$10.00	\$120.00
Mobile Total: 55		\$550.00	\$6,600.00
A40153006856	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006857	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92

A40153006858	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006859	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006861	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006862	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006863	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006864	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006865	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006966	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006967	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006968	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006969	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
A40153006970	D28MTX- Mobile XG-25 (5/15/16)	\$4.16	\$49.92
Pro-Rated Mobile Total: 14		\$58.24	\$698.88
9988106	DSDX04-Desktop Base Station SN 9215353	\$16.00	\$192.00
9988114	DSDX04-Desktop Base Station SN 9215301	\$16.00	\$192.00
9988175	DSDX04-Desktop Base Station SN 9215298	\$16.00	\$192.00
9988180	DSDX04-Desktop Base Station SN 9215297	\$16.00	\$192.00
Desktop Stations Total: 4		\$64.00	\$768.00
9257739	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
A401100033C1	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A401100033C2	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A401100033C3	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000341E	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000341F	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003420	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003421	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003464	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003465	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003466	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003467	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003468	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A40110003469	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000346A	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000346B	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000346C	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
A4011000346D	MAEXC81XX-Radio, Portable, P5450, Scan	\$10.00	\$120.00
Portables Total: 18		\$180.00	\$2,160.00

A40138010491	DPXGPB78B-XG-25 Portable Scan (2/7/17)	\$6.66	\$79.92
A40138010492	DPXGPB78B-XG-25 Portable Scan (2/7/17)	\$6.66	\$79.92
A40138010494	DPXGPB78B-XG-25 Portable Scan (2/7/17)	\$6.66	\$79.92
Pro-Rated Portables Total: 3		\$19.98	\$239.76
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$972.22</b>	<b>\$11,666.64</b>

**This is verifying equipment only and is not authorizing payment.**

**Equipment List Approval:**

**Signature:** Alison J. Jwell

**Printed Name:** ALISON J. JWELL

**Date Approved:** 2-13-17



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**  
  
**ORIGINAL**

**Customer Details**

Brevard County Solid Waste  
 2250 Adamson Road  
 Cocoa, FL 32926

Bill To: Brevard County Solid Waste  
 2250 Adamson Road  
 Cocoa, FL 32926

**Document Details**

Contract # CI-11-151  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
9044707	DSDX04-Desktop Base Station SN 9988101	\$16.00	\$192.00
9047752	DSDX04-Desktop Base Station SN 9988170	\$16.00	\$192.00
9044774	DSDX04-Desktop Base Station SN 9988177	\$16.00	\$192.00
9044761	DSDX04-Desktop Base Station SN 9988173*	\$16.00	\$192.00
Desktop Stations Total: 4		\$64.00	\$768.00
6066883	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
8002822	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
8002840	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
8002841	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9036946	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9036947	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9039688	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9036990	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9042249	MAHGS8MXX-M7100 IP, 806-870Mhz, Mobile Radio	\$10.00	\$120.00
9043447	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043449	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043652	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043655	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043707	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9043710	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9045857	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00

9045858	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9045860	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066783	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066786	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066787	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066788	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066789	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066790	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066981	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066983	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066984	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066985	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9135629	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9135651	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9135630	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136794	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136878	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9136879	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9137131	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201588	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9204134	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
Mobiles Total: 37		\$370.00	\$4,440.00

9220251	MAHMS8RXX-Portable, P5150,EDACS, Scan	\$10.00	\$120.00
9220398	MAHMS8RXX-Portable, P5150,EDACS, Scan	\$10.00	\$120.00
9221181	MAHMS8RXX-Portable, P5150,EDACS, Scan	\$10.00	\$120.00
9988166	MAHMS8DXX-Portable, P5150 Scan	\$10.00	\$120.00
Portables Total: 4		\$40.00	\$480.00

		Monthly	Annual
<b>GRAND TOTALS:</b>		<b>\$474.00</b>	<b>\$5,688.00</b>

**This is verifying equipment only and is not authorizing payment.**

**Signature:** *Branlio V. Welch*

**Printed Name:** Branlio V. WELCH

**Date Approved:** *SEP. 20, 2016*



Exhibit B

ORIGINAL

4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Customer Details**

Brevard County Public Works  
 ( Traffic Operations)  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

Bill To: Brevard County Public Works  
 ( Traffic Operations)  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016 9/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
A4011E052677	MAMSDMXX- M7300 Mobile	\$10.00	\$120.00
Mobile Total: 1		\$10.00	\$120.00

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
A40153007536	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007537	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007683	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007684	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007685	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007607	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007608	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007609	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007610	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007681	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007682	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007538	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007539	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007540	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007604	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92

A40153007605	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
A40153007606	DMM78B-Mobile XG25 (8/7/16)	\$1.66	\$19.92
Pro-Rated Mobile Total: 17		\$28.22	\$338.64

A40138010718	DPXGPB78B-Portable,XG-25P,Scan (8/7/16)	\$1.66	\$19.92
A40138010719	DPXGPB78B-Portable,XG-25P,Scan (8/7/16)	\$1.66	\$19.92
A40138010720	DPXGPB78B-Portable,XG-25P,Scan (8/7/16)	\$1.66	\$19.92
Pro-Rated Portables Total: 3		\$4.98	\$59.76

9989526	DSDX04-Desktop Base Station SN 9213184	\$16.00	\$192.00
Desktop Stations Total: 1		\$16.00	\$192.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$59.20</b>	<b>\$710.40</b>

This is verifying equipment only and is not authorlzing payment.

**Equipment List Approval:**

Signature: Lisa Marasco

Printed Name: Lisa Marasco

Date Approved: 10/24/16



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355  
 Fax: (772)567-2292

**Exhibit B**

**ORIGINAL**

Brevard County Utility Services  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

**Customer Details**

Bill To: Brevard County Utility Services  
 2725 Judge Fran Jamieson Way Buld A  
 Viera, FL 32940

**Document Details**

Contract #  
 Purchase Order #  
 Covered Period - 10/01/2016-09/30/2017

**Covered Equipment Details**

SERIAL NUMBER	DESCRIPTION	UNIT PRICE	ANNUAL PRICE
9044380	DSDX04-Desktop Base Station SN 9988109	\$16.00	\$192.00
9213024	DSDX04-Desktop Base Station SN 9989530	\$16.00	\$192.00
9213022	DSDX04-Desktop Base Station SN 9989534	\$16.00	\$192.00
9213002	DSDX04-Desktop Base Station SN 9989535	\$16.00	\$192.00
9213319	DSDX04-Desktop Base Station SN 9989536	\$16.00	\$192.00
9213317	DSDX04-Desktop Base Station SN 9989762	\$16.00	\$192.00
9213005	DSDX04-Desktop Base Station SN 9989770	\$16.00	\$192.00
9213324	DSDX04-Desktop Base Station SN 9989764*	\$16.00	\$192.00
Desktop Stations Total: 8		\$128.00	\$1,536.00

9036989	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9041833	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9041834	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042065	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042333	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042377	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042378	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042379	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9042877	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9043593	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9066133	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9066194	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00

9072065	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072066	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9072661	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073048	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073049	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073051	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073266	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073267	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073368	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073369	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073370	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073371	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073372	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073545	MAHGS8MXX-M7100 IP, Mobile Radio	\$10.00	\$120.00
9073629	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073733	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073735	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073736	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9073737	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130920	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130926	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130927	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9130949	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131012	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131024	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131025	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131045	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131093	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131094	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131095	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131171	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131172	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131173	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131175	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131411	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131412	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131448	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131512	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131514	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131539	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00

9131640	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131730	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131831	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131832	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131833	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131834	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131835	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131856	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131857	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9131860	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132291	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132342	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132343	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132344	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132345	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132606	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132607	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132608	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132609	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9132610	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9135636	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198434	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198435	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9198819	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199579	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199580	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199581	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199746	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199899	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9199989	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9200621	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201027	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201038	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9201039	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213004	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
9213318	MAHGN8MXX-M7100 Mobile	\$10.00	\$120.00
A4011E019436	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E019437	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E019438	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E058956	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00

A4011E059013	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
A4011E059017	MAMWSDMXX-Mobile, M7300	\$10.00	\$120.00
Mobile Total: 94		\$940.00	\$11,280.00
A40153007243	DMM78B-Mobile, XG25 (6/20/17)	\$2.50	\$30.00
Pro-Rated Mobile Total: 1		\$2.50	\$30.00
9218264	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9218556	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9218557	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9218558	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9218560	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9219489	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9219827	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9219934	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220087	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220088	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220092	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220094	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220182	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220185	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220248	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9220838	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221031	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221231	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221232	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221234	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221346	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221347	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221351	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221354	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221355	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221380.	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221383	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221446	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221447	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221449	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221450	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221451	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221452	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00

9221453	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221454	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221455	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221608	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221609	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221610	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221727	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221730	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221731	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221736	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9221859	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9222413	MAHMS8RXX-Portable, P5150, EDACS, Scan	\$10.00	\$120.00
9257369	MAHTT81NX-P7170 Portable Radio, System	\$10.00	\$120.00
Portables Total: 46		\$460.00	\$5,520.00
		<b>Monthly</b>	<b>Annual</b>
<b>GRAND TOTALS:</b>		<b>\$1,830.50</b>	<b>\$18,366.00</b>

This is verifying equipment only and is not authorizing payment.

**Equipment List Approval:**

Signature: Brian Sorensen

Printed Name: Brian Sorensen, Interim Water/WW Manager

Date Approved: 9/20/16



4450 Us Highway 1  
 Vero Beach, FL 32967  
 Phone: (772) 569-5355 Fax: (772) 257-6083

Not on Maintenance Contract Yet

### Brevard County Board of County Commissioners

Total Agreement Term: October 1, 2016- September 30, 2017

Titusville Simulcast Control Point	Unit Rate	Old Quantity	New Quantity	New Monthly Rate	Annual Rate
JPS Voters & Digital Voters per channel (included)	\$0.00	56		\$0.00	\$0.00
Simulcast Mux's & IMC Mux	\$25.00	5		\$125.00	\$1,500.00
Simulcast Common Equipment (includes:2 GPS receiver, GPS Dist, Router, Switch, Sync Shelf, Net Sentry, KVM)	\$525.00	1		\$525.00	\$6,300.00
Simulcast Vertical Site Pro's	\$15.00	14		\$210.00	\$2,520.00
Transmit Control Test Rack (includes: Scope, TIMMs, Alignment Radio)	\$50.00	1		\$50.00	\$600.00
<b>Total Titusville Simulcast Control Point</b>				<b>\$910.00</b>	<b>\$10,920.00</b>

Palm Bay Simulcast Control Point	Unit Rate	Old Quantity	New Quantity	New Monthly Rate	Annual Rate
JPS Voters & Digital Voters per channel (included)	\$0.00	60		\$0.00	\$0.00
Simulcast Mux's & IMC Mux	\$25.00	4		\$100.00	\$1,200.00
Simulcast Common Equipment (includes:2 GPS receiver, GPS Dist, Router, Switch, Sync Shelf, Net Sentry, KVM)	\$525.00	1		\$525.00	\$6,300.00
Simulcast Vertical Site Pro's	\$15.00	20		\$300.00	\$3,600.00
Transmit Control Test Rack (includes: Scope, TIMMs, Alignment Radio)	\$50.00	1		\$50.00	\$600.00
<b>Total Palm Bay Simulcast Control Point</b>				<b>\$975.00</b>	<b>\$11,700.00</b>

Indian Harbor Beach Simulcast Control Point	Unit Rate	Old Quantity	New Quantity	New Monthly Rate	Annual Rate
JPS Voters & Digital Voters per channel (included)	\$0.00	24		\$0.00	\$0.00
Simulcast Mux's & IMC Mux	\$25.00	3		\$75.00	\$900.00
Simulcast Common Equipment (includes:2 GPS receiver, GPS Dist, Router, Switch, Sync Shelf, Net Sentry, KVM)	\$525.00	1		\$525.00	\$6,300.00
Simulcast Vertical Site Pro's	\$15.00	12		\$180.00	\$2,160.00
Transmit Control Test Rack (includes: Scope, TIMMs, Alignment Radio)	\$50.00	1		\$50.00	\$600.00
<b>Total Indian Harbor Beach Simulcast Control Point</b>			Projected 2017-1018 Costs:	<b>\$830.00</b>	<b>\$9,960.00</b>
				2016-2017 Costs:	\$0.00

Titusville Simulcast TX Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mstr 3 RF (incl Site Pro Trans Combiner)	\$144.00	14			\$2,016.00	\$24,192.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1			\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	1			\$409.00	\$4,908.00
Licensed Microwave (per radio) To Scottsmeer	\$116.00	2			\$232.00	\$2,784.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1			\$0.00	\$0.00
<b>Total for Titusville Simulcast TX Site</b>				<b>\$0.00</b>	<b>\$2,776.00</b>	<b>\$33,312.00</b>

Sharpes Simulcast TX Site	Unit Rate	Old Quantity	New Quantity	New Monthly Rate	Annual Rate
EDACS Simulcast Mstr 3 RF (incl Site Pro Trans Combiner)	\$144.00	14		\$2,016.00	\$24,192.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1		\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	1		\$409.00	\$4,908.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00	\$0.00
<b>Total for Sharpes Simulcast TX Site</b>				<b>\$0.00</b>	<b>\$30,528.00</b>

<b>Scottsmeer Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00	14		\$2,016.00	\$2,016.00	\$24,192.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1		\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	1		\$409.00	\$409.00	\$4,908.00
Licensed Microwave (per radio) To Titusville	\$116.00	2		\$232.00	\$232.00	\$2,784.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00	\$0.00	\$0.00
<b>Total for Scottsmeer Simulcast TX Site</b>				<b>\$0.00</b>	<b>\$2,776.00</b>	<b>\$33,312.00</b>

<b>Rockledge Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00	12	14	\$1,728.00	\$2,016.00	\$24,192.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1	1	\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	0	1	\$0.00	\$409.00	\$4,908.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1	1	\$0.00	\$0.00	\$0.00
<b>Total for Rockledge Simulcast TX Site</b>				<b>\$1,847.00</b>	<b>\$2,544.00</b>	<b>\$30,528.00</b>

<b>Palm Bay Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00	12	20	\$1,728.00	\$2,880.00	\$34,560.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1	1	\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	0	1	\$0.00	\$409.00	\$4,908.00
Licensed Microwave (per radio) To Barefoot Bay	\$116.00	1	2	\$116.00	\$232.00	\$2,784.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1	1	\$0.00	\$0.00	\$0.00
<b>Total for Palm Bay Simulcast TX Site</b>				<b>\$1,963.00</b>	<b>\$3,640.00</b>	<b>\$43,680.00</b>

<b>Melbourne Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00	8	20	\$1,152.00	\$2,880.00	\$34,560.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1	1	\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	0	1	\$0.00	\$409.00	\$4,908.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1	1	\$0.00	\$0.00	\$0.00
<b>Total for Melbourne Simulcast TX Site</b>				<b>\$1,271.00</b>	<b>\$3,408.00</b>	<b>\$40,896.00</b>

<b>Barefoot Bay Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00	12	20	\$423.00	\$2,880.00	\$34,560.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00	1	1	\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00	0	1	\$0.00	\$409.00	\$4,908.00
Licensed Microwave (per radio) To Palm Bay	\$116.00	1	2	\$116.00	\$232.00	\$2,784.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1	1	\$0.00	\$0.00	\$0.00
<b>Total for Barefoot Bay Simulcast TX Site</b>				<b>\$658.00</b>	<b>\$3,640.00</b>	<b>\$43,680.00</b>

<b>Indian Harbor Beach Simulcast TX Site</b>						
	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Mast 3 RF (incl Site Pro Trans Combiner)	\$144.00		12	\$1,728.00	\$1,728.00	\$20,736.00
Tower Top Pre-Amp (TTA)/receive multicoupler (does not include tower work)	\$119.00		1	\$119.00	\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00		1	\$409.00	\$409.00	\$4,908.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00		1	\$0.00	\$0.00	\$0.00
<b>Total Indian Harbor Beach Simulcast Control Point</b>			Projected 2017-1018 Costs:	<b>\$2,256.00</b>	<b>\$2,256.00</b>	<b>\$27,072.00</b>
			2016-2017 Costs:	\$0.00	\$0.00	\$0.00

Cocoa Beach Simulcast TX Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
EDACS Simulcast Masr 3 RF (incl Site Pro Trans Combiner)	\$144.00		12		\$1,728.00	\$20,736.00
Tower Top Pre-Amp (TTA) w/receive multicoupler (does not include tower work)	\$119.00		1		\$119.00	\$1,428.00
Simulcast TX Common Equipment Rack (includes: Mux, 2 GPS receiver, GPS Dist, Switch, Sync Shelf, Test Radio, Net Sentry, KVM)	\$409.00		1		\$409.00	\$4,908.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00		1		\$0.00	\$0.00
<b>Total Cocoa Beach Simulcast Control Point</b>			Projected 2017-2018 Costs:	\$2,256.00	\$0.00	\$27,072.00
			2016-2017 Costs:	\$0.00	\$0.00	\$0.00

Titusville Conventional Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
Conventional RF Channel (incl: Channel & TX Combiner) (RMACS)	\$100.00	5		\$500.00		\$6,000.00
Conventional Tower Top Pre-Amp (TTA) w/receive multicouplers (does not include tower work)	\$119.00	1		\$119.00		\$1,428.00
Multiplexer (MUX) (per T1)	\$25.00	1		\$25.00		\$300.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00		\$0.00
<b>Total Titusville Conventional Site</b>				\$644.00	\$0.00	\$7,728.00

Rockledge Conventional Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
Conventional RF Channel (incl: Channel & TX Combiner) (RMACS)	\$100.00	5		\$500.00		\$6,000.00
Conventional Tower Top Pre-Amp (TTA) w/receive multicouplers (does not include tower work)	\$119.00	0		\$0.00		\$0.00
Multiplexer (MUX) (per T1)	\$25.00	1		\$25.00		\$300.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00		\$0.00
<b>Total Rockledge Conventional Site</b>				\$525.00	\$0.00	\$6,300.00

Scottsmeer Conventional Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
Conventional RF Channel (incl: Channel & TX Combiner) (RMACS)	\$100.00	5		\$500.00		\$6,000.00
Conventional Tower Top Pre-Amp (TTA) w/receive multicouplers (does not include tower work)	\$119.00	1		\$119.00		\$1,428.00
Multiplexer (MUX) (per T1)	\$25.00	1		\$25.00		\$300.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00		\$0.00
<b>Total Scottsmeer Conventional Site</b>			Projected 2017-2018 Costs:	\$644.00	\$0.00	\$7,728.00
			2016-2017 Costs:	\$0.00	\$0.00	\$0.00

Melbourne Conventional Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
Conventional RF Channel (incl: Channel & TX Combiner) (RMACS)	\$100.00	5		\$500.00		\$6,000.00
Conventional Tower Top Pre-Amp (TTA) w/receive multicouplers (does not include tower work)	\$119.00	0		\$0.00		\$0.00
Multiplexer (MUX) (per T1)	\$25.00	1		\$25.00		\$300.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00		\$0.00
<b>Total Melbourne Conventional Site</b>				\$525.00	\$0.00	\$6,300.00

Barefoot Bay Conventional Site	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
Conventional RF Channel (incl: Channel & TX Combiner) (RMACS)	\$100.00	5		\$500.00		\$6,000.00
Conventional Tower Top Pre-Amp (TTA) w/receive multicouplers (does not include tower work)	\$119.00	1		\$119.00		\$1,428.00
Mutual Aid RF Channel (includes Transmit Combiner)	\$100.00	2		\$200.00		\$2,400.00
Multiplexer (MUX) (per T1)	\$25.00	1		\$25.00		\$300.00
Antenna coax sweep and combiner Annual adjustments (INCLUDED)	\$0.00	1		\$0.00		\$0.00
<b>Total Barefoot Conventional Site</b>				\$844.00	\$0.00	\$10,128.00

Palm Bay IMC	Unit Rate	Old Quantity	New Quantity	Old Monthly Rate	New Monthly Rate	Annual Rate
IMC (South Switch)	\$583.00	1		\$583.00		\$6,996.00
VIDA Equipment (includes: 2-optical multiplexers, 1 KVM s, 1-cisco switch, 1-cisco router, 1 cisco power system, 1 GPS receiver)	\$583.00	1		\$583.00		\$6,996.00





**In-building Public Safety Radio System Signal**

Initial assessment	\$645 +\$10 per Grid >20
Post BDA/DAS system installation assessment	\$825 +\$15 per Grid >20
Annual operational assessment	\$250

## **ATTACHMENT D**

### **Pricing Discounts**

Pricing discounts for all Harris manufactured equipment will be at the current Public Safety discount level of 25% off list price as published on the Harris website. All list pricing will reference the most current pricing available from Harris Corporation.

All other vendor items will be priced to the County at either current published "Public Safety or Government" discount levels or at a minimum of **5%** discount from the manufacturer's published list price, whichever provides the better discount level to the Customer.

Discounts on all other manufactured equipment, custom equipment, and software not having published pricing or discount levels will be quoted at the time of request. All prices will be at best pricing offered to Public Safety agencies by Ci in the State of Florida.

**ATTACHMENT E**  
**Per Unit Equipment Maintenance and Certification Pricing**

Radar Recertification (per certification)	\$40.00
Laser Recertification (per certification)	\$65.00
Tint Meter Recertification (per certification)	\$15.00

**Monthly Maintenance Contract Rates**

Mobile Radios	\$ 10.00
Portable Radios	\$ 10.00
Desktop Stations	\$ 16.00
Dual Control Adders	\$ 3.00
EMC Interface	\$ 11.00
Zetron Encoder	\$ 28.00
Decoders (STALII's)	\$ 13.00
Zetron Switch	\$ 75.00
Consoles	\$100.00

**Demand Service Rates – User Terminal Programming**

Portable Radio	\$32.50
Front Mount Mobile Radio	\$32.50
Remote Mount Mobile Radio	\$32.50
Dual Control Mobile Radio	\$55.00
RF Control Station	\$60.00
Remote control (for RF control station/base station)	\$85.00

## **ATTACHMENT F**

### **System Failure Escalation Procedure**

1. Upon notification of a system failure the on-call technician will immediately (within 15 minutes) contact the customer-designated location to ascertain the nature of the failure and its location. The technician will then promptly address the problem to isolate the cause and/or repair as necessary. A maximum response time of TWO HOURS is allotted for the on-call technician to arrive to the trouble location from the time the problem is reported to the Ci call center by the Customer.

2. Should the technician be unable to locate the failure cause or repair the problem within ONE HOUR after arriving at the site of the failure or callout, the Ci RF system engineer assigned to Brevard County will be notified. If the RF engineer is unable to respond or the problem is of unusual complexity, the technician will notify the Ci Regional Manager assigned to Brevard County.

3. The Ci Regional Manager will then assess the situation along with the repair diagnosis and the progress in implementation of the repair. If the resolution is not forecast - within an hour, the Ci Regional Manager may request assistance from other Ci offices and personnel to expedite the repair. The Ci Regional Manager will also, at this point, contact the Brevard County Emergency Management radio system contact to inform of the situation and the repair status.

4. Should a repair be of such scope and complexity as to exceed eight (8) hours in duration, the Ci Regional Manager will contact the Ci Vice President of Services to advise of the situation and to request such assistance as may be required. The Ci Regional Manager will also, at this point, contact the Brevard County Emergency Management radio system contact to inform of the situation and the repair status.

## **ATTACHMENT G**

### **Specialized Service – Radio System Enhancement**

As needed by the County, the County may issue a RFP or solicitation for bid Specialized Services. Alternatively, the County may submit a request for a price proposal for Specialized Service in writing to Ci. Ci shall perform the Specialized Services as agreed to in writing by the Parties. These services shall be paid for as Special Order. Ci shall not begin work on Specialized Services until receipt of a written notice by the County to begin work. The procedure for authorization of Specialized Services by the Director of Brevard County Emergency Management Office is as follows:

1. The County submits a request for a price proposal with a description of the Specialized Service to be performed. Ci provides written price proposal with scope of work to be performed and schedule for completing the work, specifying all Sole Source Services and/or Products.
2. The County identifies the percentage of Sole Source Services and/or Products out of the total project cost and evaluates the proposal within the Specialized Services categorization. Services and/or Products outside of the Sole Source definition and for \$15,000.00 or above in value, should be obtained by the County, via Bid/Proposal/Competitive Negotiated Agreement and reviewed and approved by the County.
3. Following agreement on scope, sub-contractors, schedule and fees, the County approves authorization to proceed by way of a written SRO.
4. Ci shall provide a project team to manage and oversee the implementation of the enhancement, providing a project manager who will serve as the primary point of contact for the County and who will be responsible for developing the project plan, outlining major milestones, work tasks and schedules. In addition, the project manager will oversee Ci staff and approved sub-contractors assigned with responsibilities for various aspects of development and implementation plan.

**ATTACHMENT H**  
**Initial Assessment Test – Forms and Protocol**

INITIAL ASSESSMENT TESTING PLAN  
FOR

**CUSTOMER X BUILDING**  
800 MHz Public Safety Communications

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**ABOUT THIS DOCUMENT**

This document was specifically prepared for the customer shown below.

Customer: Place Customer Name here  
Site Location: Place Customer Site Location Here (follow example below)  
Customer Briefing Center  
1025 Nasa Boulevard  
Melbourne, Florida 32901  
Prepared By: Communications International  
RF Technician: Place Ci Technician Name here  
Total Test Pages: 22  
Document Revision: Rev A, 7/13/2016

## Coverage Test Procedures

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### DEFINITIONS

ATP	Acceptance Testing Procedure
Yearly Maintenance	Essentially a repeat of the same level of testing that occurs during the Acceptance Testing (ATP)
Ci	Communications International
CPC	Channel Performance Criterion
DAS	Distributed Antenna System
DAQ	Delivered Audio Quality
Downlink	In-bound radio signal ( <u>from</u> Donor RF site to test building)
NFPA	National Fire Protection Association
NFPA 72	National Fire Alarm and Signaling Code, Rules covering the application, installation, location, performance, inspection, testing, and maintenance of emergency communications systems (ECS)
RF	Radio Frequency
Donor RF Site	Radio system tower location
Donor Antenna	Building Outdoor Antenna
Mobile Antenna	In-Building Antenna (DAS)
Spectrum Analyzer	Radio Test equipment, a device for measuring and analyzing RF signals
TIA	Telecommunications Industry Association
TSB	Telecommunications Systems Bulletin
Uplink	Out-bound radio signal ( <u>to</u> Donor RF site from test building)
dBm	RF Level Measurement
RSSI	An RF level measurement, derived from a portable test radio, usually in dBm, (used synonymously with dBm in this document)

### ASSUMPTIONS

1. The contractor will provide building prints, before testing begins, of the building under test, with the test grids overlaid as required by NFPA, for use during testing. Ci will not be performing any design work, including the test grids.
2. It is assumed that Ci will have unrestricted (or escorted) access to the building under test.
3. It is assumed that testing will be performed in a single coordinated mobilization effort.
4. Ci will provide all the required test equipment, support equipment, and test radios required to perform the prescribed testing. Customer/contractor provided equipment can be used for comparative measurements, but the results will be based on Ci provided equipment and radios.

## **1. TEST PREPARATION AND PREREQUISITES**

The following preparations shall be made prior to the Acceptance Test Procedure:

### **Test Portable Radios**

- a. Freshly calibrated test portable radios with calibrated FCC Menu feature enabled, programmed with the latest released flash and DSP software versions, and equipped with a unity gain antenna.
- b. Fully charged and conditioned portable radio batteries.
- c. At least 1 spare portable radio battery, fully charged.

### **Spectrum Analyzer Equipment**

- a. Currently calibrated handheld device (example: Anritsu Cell Master or equivalent device) with a unity gain antenna.
- b. Fully charged battery pack.

### **1.1 Setup**

A calibrated RF Signal Analyzer with an antenna gain proportional to the local agency's standard portable radio antenna (unity gain) is utilized to measure noise floor performance in the uplink and downlink paths. In addition to the RF Signal Analyzer, a portable radio capable of communicating on the local Public Safety agency's frequencies will be used to provide RSSI measurements (RF level in dBm) on the downlink path.

All frequencies used for the Signal Strength tests will be frequencies currently utilized by the local Public Safety agency. If for some reason these frequencies cannot be made available, test frequencies from within the designed frequency band will be used. For downlink (in-building) Signal Strength tests, it is recommended that an active test channel such as a trunking system control channel be used for RF level measurements.

## **2. IN-BUILDING SIGNALSTRENGTH TEST**

### **2.1 Service Area Boundary**

TSB-88-C recommends coverage verification measurements at a statistically significant number of random test locations, uniformly distributed throughout the service area. To accomplish this, the service area is divided by a grid pattern with a minimum of 20 grids for each floor of the building to be tested. For most buildings, using a minimum grid dimension of 20 ft. (6.1 m) and a maximum of 80 ft. (24.4 m) will suffice to encompass the entire floor area.

Downlink (in-building) Signal strength measurements will be made in all accessible grids within the defined service area boundary.

### **2.2 Data Measurements**

The test grid approach will be used to verify coverage throughout the building. Each floor of the building will be divided into 20 grids, and each grid will be given a designation on the building drawings. Two testers will be involved with performing these tests. Both testers will be located inside the building. The testers will select a grid and visit each area to verify coverage using the following method:

#### **Downlink Signal Level**

- One tester will observe and record the RSSI (in dBm) of the channel under test using the FCC Menu on the portable radio, at the center of each grid.
- The other tester will assist in recording data, and use a Spectrum Analyzer with the center frequency tuned to an active channel or control channel and take the following measurements:
  - One Spectrum Analyzer sweep captured inside the facility, demonstrating the noise floor and the Test Channel or Control Channel on the downlink path.
  - One Spectrum Analyzer sweep captured outside the facility, demonstrating the noise floor and the Test Channel or Control Channel on the downlink path.
  - One Spectrum Analyzer sweep captured outside the facility, demonstrating the noise floor and active carriers in the same receive band (806-816 MHz) of the local agencies' 800 MHz trunked radio system on the uplink path.
- The Spectrum Analyzer can also be utilized to verify the the portable radio's calibrated RSSI meter.
- Each Spectrum Analyzer sweep will be saved and stored for submittal in the final documentation package to the County.

## Coverage Test Procedures

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- The name of the sweeps must employ a consistent naming convention that is clear and understandable in the final documentation package.

### **2.3 Results Presentation**

A test report is provided that includes:

- the number of test grids
- the location tested within each grid
- a copy of the Table 3 grading template used by each grader



**ATTACHMENT I**  
**Final Acceptance Test**  
**Post – BDA/DAS Installation**  
**Assessment**  
**Forms and Protocol**

ACCEPTANCE TESTING PLAN FOR

**CUSTOMER X BUILDING**  
**700/800 MHz BDA and DAS**

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**ABOUT THIS DOCUMENT**

This document was specifically prepared for the customer shown below.

Customer: **Place Customer Name here**  
Site Location: **Place Customer Site Location Here (follow example below)**  
**Customer Briefing Center**  
**1025 Nasa Boulevard**  
**Melbourne, Florida 32901**  
Prepared By: **Communications International**  
RF Technician: **Place Ci Technician Name here**  
Total Test Pages: **22**  
  
Document Revision: **Rev A, 7/13/2016**

### DEFINITIONS

ATP	Acceptance Testing Procedure
Yearly Maintenance	Essentially a repeat of the same level of testing that occurs during the Acceptance Testing (ATP)
Ci	Communications International
CPC	Channel Performance Criterion
DAS	Distributed Antenna System
DAQ	Delivered Audio Quality
Downlink	In-bound radio signal ( <u>from</u> Donor RF site to test building)
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RF	Radio Frequency
Donor RF Site	Radio system tower location
Donor Antenna	Building Outdoor Antenna
Mobile Antenna	In-Building Antenna (DAS)
Spectrum Analyzer	Radio Test equipment, a device for measuring and analyzing RF signals
TIA	Telecommunications Industry Association
TSB	Telecommunications Systems Bulletin
Uplink	Out-bound radio signal ( <u>to</u> Donor RF site from test building)
dBm	RF Level Measurement
RSSI	An RF level measurement, derived from a portable test radio, usually in dBm, (used synonymously with dBm in this document)

### ASSUMPTIONS

1. The contractor will provide building prints, before testing begins, of the building under test, with the test grids overlaid as required by NFPA, for use during testing. Ci will not be performing any design work, including the test grids.
2. It is assumed that Ci will have unrestricted (or escorted) access to the building under test.
3. It is assumed that testing will be performed in a single coordinated mobilization effort.
4. It is assumed that Ci will be able to disable the BDA system, or power it down if necessary, and the contractor/building owner acknowledges that this may set off alarms monitored by the fire alarm panel, and any automated annunciators that may result.
5. Ci will need access to the roof, or wherever the donor (outside antenna) is located.
6. Ci will provide all the required test equipment, support equipment, and test radios required to perform the prescribed testing. Customer/contractor provided equipment can be used for comparative measurements, but the results will be based on Ci provided equipment and radios.
7. If any personnel lift devices are required, it is assumed that the contractor will provide.
8. If punch list items exist after the test, or a re-test is needed, it will be the responsibility of the contractor and/or the contractor's BDA system provider to correct and provide documentation, or, if needed, schedule a repeat visit with Ci for re-test.
9. It is assumed that the BDA system will be disabled from transmitting outside of the building until the Acceptance Test is completed successfully.

### **1. TEST PREPARATION AND PREREQUISITES**

The following preparations shall be made prior to the Acceptance Test Procedure:

#### **Test Portable Radios**

- a. Freshly calibrated test portable radios with calibrated FCC Menu feature enabled.
- b. Fully charged and conditioned portable radio batteries.
- c. At least 1 spare portable radio battery, fully charged.

#### **Spectrum Analyzer Equipment**

- a. Currently calibrated handheld device (example: Anritsu Cell Master or equivalent device) with a unity gain antenna.
- b. Fully charged battery pack.
- c. Connectors and test cables as appropriate, all in good repair and prior tested and verified.

#### **Coordination**

Ci will coordinate and schedule with the contractor as appropriate. Consideration will be given to such items as:

- a. BDA Battery Backup will need to be tested. Ensure Fire Alarm people are present and that they are aware of this *before* we set off the fire alarm system and its automated announcements.
- b. BDA system may need to be disabled (turned off) at some point during testing to determine levels, noise floor, interference, etc.
- c. A test channel on the donor site will facilitate a smoother test. Coordinate with Ci site personnel as required to determine which test channel will be utilized, what frequency it is, as well as the current control channel, its corresponding frequency, etc.

#### **Cellular Phones**

To facilitate a smoother test, all Ci test personnel shall have a cell phone with a fully charged battery, for the following uses:

- a. Communication/coordination with other test personnel in the event that radio contact cannot be established.
- b. The phone's camera feature can be utilized, if a dedicated digital camera is not available, to capture good quality images of the installation, as required.
- c. Digital Pictures to provide, at a minimum. See examples attached to this document in Section 8. Replace with job-specific ones.
  - i. Installation of amplifier, donor antenna, donor grounding, antenna mast, etc
  - ii. FCC ID plate on amplifier
  - iii. Grounding points (amplifier and bus bar, etc.)
  - iv. Battery Cabinet
  - v. Alarms Contacts
  - vi. BDA system provider's label with contact info: name of firm

## 2. CUSTOMER APPROVAL

This Acceptance Test Procedure has been read and approved for use as the system acceptance test.

Customer: Place Customer Name Here  
Site Location: Place Customer Site Location Here (follow example below)  
Customer Briefing Center  
1025 Nasa Boulevard  
Melbourne, Florida 32901

**Customer Representative**

**Ci Representative**

---

Signature

---

Signature

---

Printed name and title

---

Printed name and title

**3. SYSTEM ACCEPTANCE**

This Acceptance Test Procedure has been successfully completed.

Customer: Place Customer Name Here  
Site Location: Place Customer Site Location Here (follow example below)  
Customer Briefing Center  
1025 Nasa Boulevard  
Melbourne, Florida 32901

**Customer Representative**

**CI Representative**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed name and title

\_\_\_\_\_  
Printed name and title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

## 4. VISUAL INSPECTION

### 4.1 Visual Inspection

#### Setup

Prior to the actual acceptance test, a physical inspection of the equipment must be performed. All equipment locations must be inspected. Any discrepancy, which affects operator safety must be corrected before the remaining tests are performed. Capture with pictures.

#### Execution

1. Verify the area is clean and that all cabinets and racks are both clear of debris and clean.
2. Verify all equipment cabinets/enclosures are mounted per the design, secured and grounded.
3. Verify all cables are dressed, secured and correctly marked.
4. Verify all nameplates and labels are in place. Verify Servicer's name, address, and phone number info are clearly labelled on the front panel of the amplifier and battery cabinets. Verify amplifier FCC label is present.
5. Verify all protective foam, tape, and packing material has been removed.

<b>Results</b>	(Pass/Fail)	_____
Tester:	_____	Date: _____
Comments:	_____ _____ _____	

## 5. POWER SUPPLY

### 5.1 Primary and Secondary Power

#### Execution

1. Verify the unit contains a primary and secondary power supply.
2. Verify that the primary power supply is connected to a dedicated branch electrical circuit.
3. Verify that the secondary power supply is connected to a battery backup system and that the batteries are installed in a NEMA 4 or 4X type enclosure.
4. Disable the primary power supply and verify that the battery backup system continues to power the unit.
5. Re-enable the primary power supply.

<b>Results</b>	(Pass/Fail)	_____
Tester:	_____	Date: _____
Comments:	_____ _____ _____	

## 6. SYSTEM MONITORING

### 6.1 Alarm System

#### Execution

1. Disconnect the primary AC power to the unit and verify that the N.O. contact on the DC backup alarm shorts to ground.
2. Disconnect the donor antenna and verify that the N.O. contact on the antenna alarm shorts to ground.
3. The ODSC / Mobile Antenna alarm is only generated when a component failure occurs within the unit. For testing purposes, physically short the N.O. and ground leads for the ODSC / Mobile Antenna alarm together and verify that the alarm is seen at the fire alarm panel. Once the test is complete, disconnect the manual short circuit between the N.O. and ground leads.

<b>Results</b>	(Pass/Fail)	_____
Tester:	_____	Date: _____
Comments:	_____ _____ _____	

### **7. IN-BUILDING SIGNAL STRENGTH TEST**

This Acceptance Test Procedure (ATP) is used by Ci for RF coverage verification based on signal strength measurements. This procedure provides an accurate, statistically valid, repeatable, objective, and cost-effective method to verify all coverage requirements are met.

This ATP is in conformance with NFPA 72 and Telecommunications Industry Association (TIA) Telecommunications Systems Bulletin TSB-88-C titled "Wireless Communications Systems - Performance in Noise and Interference-Limited Situations - Recommended Methods for Technology-Independent Modeling, Simulation, and Verification". TSB-88-C has defined Channel Performance Criterion (CPC) as the specified minimum design performance level in a faded channel, and provides a set of Delivered Audio Quality (DAQ) CPCs that define subjective voice quality performance applicable to both analog voice and digital voice systems.

TSB-88-C also defines a service area as a boundary of the geographic area of concern for a user, and states that Validated CPC Service Area Reliability shall be determined by the percentage of test locations in the bounded service area that meet or exceed the specified CPC. Ci has proposed a Bounded Area design for the Customer as defined in TSB-88-C wherein coverage predictions are made out to the boundary of the defined service area and coverage is verified throughout the service area out to the boundary through the performance of a Validated CPC Service Area Reliability test.

RF coverage using this ATP is verified by measuring downlink (in-building) signal strength throughout the Customer's defined bounded service area, and calculating the percentage of measurements that equal or exceed a -95 dBm signal level at a portable radio required to support the Customer's specified CPC of DAQ3.0.

#### **7.1 Setup**

A calibrated RF Signal Analyzer with an antenna gain proportional to the local agency's standard portable radio antenna is utilized to measure coverage performance in both the uplink and downlink. In addition to the RF Signal Analyzer, a portable radio capable of communicating on the local Public Safety agency's frequencies will be used to provide Delivered Audio Quality (DAQ) testing at both the uplink and downlink.

All frequencies used for the Signal Strength tests will be frequencies currently utilized by the local Public Safety agency. If for some reason these frequencies cannot be made available, test frequencies from within the designed frequency band will be used. For downlink (in-building) Signal Strength tests, it is recommended that an active test channel such as a trunking system control channel be used for Signal Analyzer measurements. For the uplink (site) Signal Strength tests and DAQ tests, a test frequency will be designated that will allow in-bound and out-bound voice testing.

### 7.2 Service Area Boundary

TSB-88-C recommends coverage verification measurements at a statistically significant number of random test locations, uniformly distributed throughout the service area. To accomplish this, the service area is divided by a grid pattern with a minimum of 20 grids for each floor of the building to be tested. For most buildings, using a minimum grid dimension of 20 ft. (6.1 m) and a maximum of 80 ft. (24.4 m) will suffice to encompass the entire floor area.

Downlink (in-building) Signal strength measurements will be made in all accessible grids within the defined service area boundary. Uplink (site) Signal strength measurements will be performed at the local Public Safety agency's closest RF site.

### 7.3 Data Measurements

The grid approach mentioned in section 6.2 will be used to verify coverage throughout the building. Each floor of the building will be divided into 20 grids, and each grid will be given a designation on the installation drawings. Three testers will be involved with performing these tests. Two testers will be located inside the building, while a third tester will be pre-positioned at the local Public Safety agency's closest RF site. The in-building testers will select a grid and visit each area to verify coverage using the following method:

#### Downlink Signal Level

- The in-building tester will observe and record the RSL (in dBm) of the channel under test using the FCC Menu on the portable radio, at the center of each grid (this can be performed simultaneously to the DAQ testing).
- The in-building tester will use a Spectrum Analyzer with the center frequency tuned to an active channel or control channel and take the following measurements:
  - One Spectrum Analyzer sweep captured at the center of a grid (record which grid) that has a very high signal level. Sweep must contain the test channel, the control channel, and at least one other downlink carrier of the donor site.
  - One Spectrum Analyzer sweep captured at the center of a grid (record which grid) that has a relatively weak signal level. Sweep must contain the test channel, the control channel, and at least one other active carrier from the donor site.
- Each Spectrum Analyzer sweep will be saved and stored for submittal in the final documentation package to the County.
- The name of the sweeps must employ a consistent naming convention that is clear and understandable in the final documentation package.

#### Downlink and Uplink Delivered Audio Quality (DAQ)

- The in-building tester will then move to the center of the grid and make a test call using a portable radio at hip level on a known test channel or frequency. The test call will consist

of announcing the grid number, followed by a count from one to five. The receiving party (site tester) will acknowledge the call and describe the reception. This test will be performed in both the uplink and downlink paths in the center of each grid.

- The in-building tester will observe and record the Downlink RSL (in dBm) of the channel under test using the FCC Menu on the portable radio, at the center of each grid.
- If the Customer has identified a "Critical Area" within the test grid, perform the same test as above in addition to the standard grid test point.

### Uplink Signal Level

- While remaining in the center of the test grid, the in-building tester will key up the portable radio at hip level with no voice audio. The site tester will use a Spectrum Analyzer connected to the site's receiver sub-system with the center frequency tuned to the test channel or RX frequency and measure the signal level of the test call. To save time, this test can also be performed during the downlink side of the DAQ test. Record all levels results.

## 7.4 Grading of Test Locations

The Signal Strength test requires two test teams. The first group will be the in-building team, which will walk the building grids on each floor, perform the Spectrum Analyzer readings, perform outgoing calls, and grade the incoming calls. The second group of representatives will be the Site team, which will remain at the Public Safety agency's closest RF Site, perform Spectrum Analyzer readings, grade the incoming calls, and perform the outgoing calls.

At the center of each designated grid test location, with the in-building team representatives, portable to site (outgoing) and site to portable (incoming) test calls are performed. Per TSB-88-C, if the message is not understood on the first attempt the portable user is allowed to move 5-feet in any direction and the test can be repeated one time.

The voice test calls consist of a short message representative of typical public safety call duration and include the identification of the location being tested. The suggested in-building team's test message is "TESTING GRID NUMBER XXX", followed by a count from one to five. To ensure that the message is understood, the site team then repeats the incoming test message. The site team will then make a similar outgoing test call. The suggested outgoing test message is "CONFIRMING GRID XXX", followed by a count from one to five. The in-building team will then repeat the site team's test message.

Each of the four representatives grades the test call using the Table 1 DAQ definitions and records the test score for each test location using the template in Table 3. PASS or FAIL determination is made separately for the inbound and outbound calls at each location. For each call direction, a test location is deemed to PASS if it meets or exceeds the Customer's requirement for DAQ 3.0 voice quality from both graders. If both graders agree that the voice quality does not meet the defined DAQ 3.0 criteria, then that test location fails for the direction being graded. If a score differs between testers at a location that results in a failing score from only one tester, that

## Coverage Test Procedures

location will need to be tested again to determine the cause of the discrepancy. If the discrepancy cannot be rectified, then that grid will be set aside for discussion and evaluation.

Delivered Audio Quality	Subjective Performance Description
DAQ 5.0	Speech easily understood.
DAQ 4.5	Speech easily understood. Infrequent Noise/Distortion.
DAQ 4.0	Speech easily understood. Occasional Noise/Distortion.
DAQ 3.4	Speech understandable with repetition only rarely required. Some Noise/Distortion.
<b>DAQ 3.0</b>	<b>Speech understandable with slight effort. Occasional repetition required due to Noise/Distortion.</b>
DAQ 2.0	Understandable with considerable effort. Frequent repetition due to Noise/Distortion.
DAQ 1.0	Unusable, speech present but unreadable.

**TABLE 1 – Delivered Audio Quality Scale Definitions**

All signal level measurements made with the RF Spectrum Analyzers will also be entered into the template in Table 3.

### 7.5 Coverage Acceptance Criteria

All measurement data records collected from the testers within the defined service area boundary are post-processed and used in the final analysis.

The installed system coverage is deemed to meet the coverage requirements if, for each bounded service area in Table 1, the ratio of the number of PASS points to the total number of points in the service area equals or exceeds the minimum % Validated CPC Service Area Reliability acceptance criteria that is shown.

Service Definition	Area	Description	Measured Signal Level dBm	DAQ Grade	% Validated CPC Service Area Reliability Acceptance Criteria
General Grid Areas		Uplink / Downlink	95 / 95	3.0	90%
Critical Areas		Uplink / Downlink	95 / 95	3.0	99%

**TABLE 2 – Coverage Service Area, Signal Level, and Acceptance Criteria**

## 7.6 Results Presentation

A test report is provided that includes:

- the number of test grids
- the location tested within each grid
- a copy of the Table 3 grading template used by each grader
- the PASS/FAIL score for each test grid/location for each call direction
- the % PASS calculation for the service area
- a statement of overall test acceptance or failure of coverage.
- Good quality digital pictures as defined in Section 1. Include in this document at the end.

<b>Results</b>	(Pass/Fail) _____
Tester: _____	Date: _____
Comments:	_____
	_____
	_____



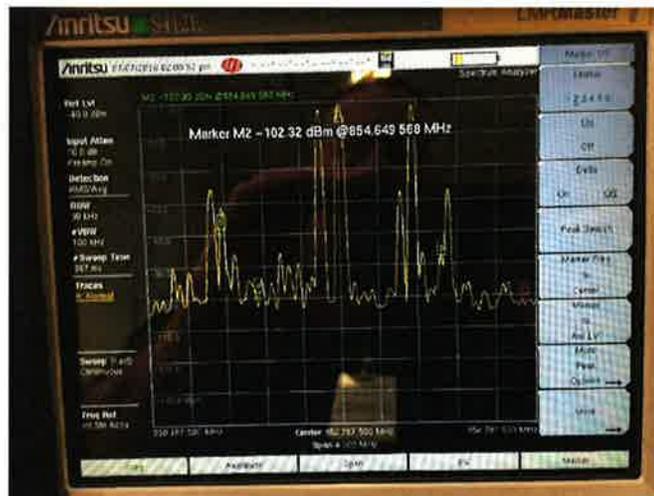


**8. TEMPLATE FOR DIGITAL PICTURES. REPLACE BELOW WITH ACTUAL, JOB-SPECIFIC ONES. THE BELOW IS MINIMUM. MORE IS BETTER.**

**Spectrum Analyzer Downlink with Test Carrier, Control Channel Carrier, and other active Donor Carriers-Strong Level Capture, Test Grid x**



**Spectrum Analyzer Downlink with Test Carrier, Control Channel Carrier, and other active Donor Carriers-Weaker Level Capture, Test Grid x**



**Spectrum Analyzer Uplink (taken at RF Donor Site) with Test Channel Received from Test Building**



**Example Amplifier Front:**



Example FCC Label, Alarm Connector, and Power Connector: bottom of unit



Example Ground Buss Bar



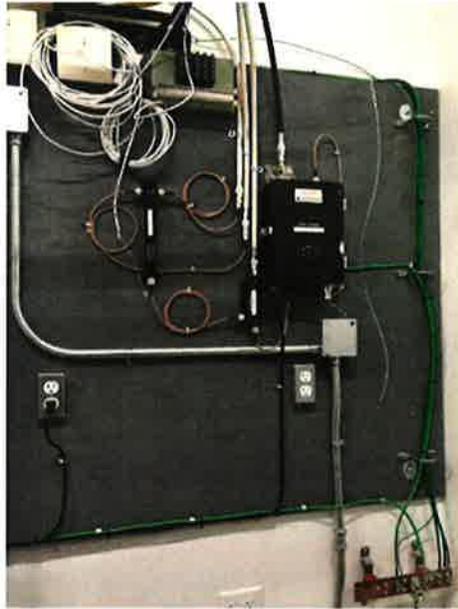
**Example Amplifier Ground Point**



**Example Battery and Charger Cabinet**



**Example Equipment Board**



**Example Donor Antenna; place actual picture of the Donor Antenna here**



**ATTACHMENT J  
Annual Function Test**

**ANNUAL FUNCTIONALITY TESTING  
FOR  
CUSTOMER X BUILDING  
700/800 MHz BDA and DAS**

Customer: Place Customer Name Here  
Site Location: Place Customer Site Location Here (follow example below)  
Customer Briefing Center  
1025 Nasa Boulevard  
Melbourne, Florida 32901

\*Amplification / Acceptable RSSI levels verified in a minimum of 4 separate areas of building.

**Customer Representative**

**CI Representative**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed name and title

\_\_\_\_\_  
Printed name and title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

