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## Rutherford County, NC VESTA Geo-Diverse E-9-1-1 System *Detailed Statement of Work*

### **Overview**

This document describes the supplied equipment and a detailed statement of work (SOW) which will be provided by Wireless Communications, Inc. (“Wireless”) to replace the existing 9-1-1 telephone switch for the Rutherford County, NC (“Rutherford County”) Communications Center. This document and other supporting information will become attached as an addendum to a contract between Wireless and Rutherford County for the stated improvements, subject to the terms and conditions described in this document.

New equipment and services will be supplied for the following subsystems:

- 9-1-1 VESTA Geo-Diverse telephone switch;
- 9-1-1 VESTA Computer Workstations;
- 9-1-1 VESTA System Software;
- Instant recall recorder hardware and software for each workstation;
- ALI modems;
- End-user and administrative training;
- Standard Maintenance Spare Equipment.

### **Equipment**

The following sections provide general descriptions of the equipment provided under this contract, and the functionality of each. Where relevant, brief descriptions of implementation details are also provided.

#### ***VESTA Enhanced 9-1-1 (E-9-1-1) Switch***

A VESTA Enhanced 9-1-1 Geo-Diverse telephone switch, side “A”, will be supplied and installed in the communications equipment room (“equipment room”) at Rutherford County’s Primary PSAP.

VESTA Geo-Diverse telephone switch, side “B”, will be supplied and installed in the communications equipment room (“equipment room”) at Rutherford County’s Backup PSAP.

Each E9-1-1 equipment rack will be secured to the floor and positioned such that sufficient space is available around the rack for technicians to access the equipment and connections mounted to the wall behind the

rack, and a minimum of 36" of clear space will be provided between the rack and the front of any electrical distribution panel.

Each E-9-1-1 equipment rack assembly is pre-assembled by the manufacturer, and will comprise the following:

- Redundant Power Supplies;
- New VESTA 9-1-1 Virtual servers with MDS/DDS functionality;
- New FXO Gateway's;
- New FXS Gateway's;
- New Cisco Switches
- Two (2) new Firewalls;
- One (1) nineteen (19") Flat Panel Monitor;
- New KVM Switches;
- One (1) mouse and Keyboard;
- VESTA E-9-1-1 and user interfaces;
- Two (2) system printers.

Standard 66-type punch blocks will be mounted on a 3/4" plywood backboard, and will connect to the electronics in the equipment rack via standard Centronics-type 25-pair cables to provide the interface between VESTA interfaces and Rutherford County's 9-1-1 telco trunks. A single cable assembly will connect each workstation to the appropriate operator interface.

### ***Workstations***

A total of fourteen (14) VESTA workstation assemblies will be supplied and installed. Seven (7) workstation assemblies will be supplied and installed at the Rutherford County's primary communications center. Seven (7) workstation assemblies will be supplied and installed at the Rutherford County's backup communications center.

Each of the twelve (12) workstation assemblies will comprise the following items:

- One (1) workstation computer, with one serial port, two USB ports, mouse, keyboard and suitable memory and disk space to support the needs of the E-9-1-1 software suite;
- Microsoft Windows 7 operating system;
- One (1) Sound Arbitration Module (SAM) to provide audio management requirements;
- One (1) external speaker;
- One (1) 22" Flat Panel Touch Screen monitor.

## **System Software**

Four (4) computer software applications are included with the E-9-1-1 system:

- VESTA 9-1-1 Software;
- VESTA Instant Recall Recorder (IRR) software;
- VESTA Communications Software; and,
- VESTA Telephony Software.

## **Modems**

ALI modems will be supplied and installed to provide communications between the VESTA E-9-1-1 switch and AT&T's redundant Automatic Location Identification ("ALI") databases.

## **Maintenance Spare Equipment**

A set of manufacturer-recommended spare components and assemblies is supplied with this project. This will enhance quick restoration of the most likely types of E-9-1-1 system single-point failures.

## **Optional Equipment**

### **GPS Time Standard**

A Spectracom NetClock Multi-Network GPS Master Clock with display supports and synchronizes up to four computer networks. Master Clock meets NENA PSAP Master Clock standard (#04-002).

One (1) optional Spectracom NetClock Multi-Network GPS Master Clock will be installed at Rutherford County's backup PSAP to provide system timing for side "B".

Each Model # GP933-94 Multi-Network Spectracom Netclock Command Center package includes the following:

- One (1) NetClock/GPS Time Server/Master Clock Model 9483 with Opt 05 OCXO Oscillator for GPS Back-up and Opt 16 Multi-Network port card;
- One (1) GPS Outdoor Antenna Model 8225;
- One (1) GPS Antenna Surge Protector Model 8226;
- One (1) Outdoor GPS Antenna Cable CAL7100, 100 ft.;
- One (1) TimeView® 400 Display Clock Model TV400W;
- One (1) RS-485 Station Cable CW04100, 100 ft.

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## ***KVM Devices***

Fourteen (14) Blackbox ServSwitch Freedom KVM devices have been included to provide single mouse and keyboard control of up to four computers per call taker workstation.

## ***Implementation***

The implementation of the Rutherford County E-9-1-1 system will be accomplished by Wireless Communications factory-trained and experienced technicians. A project manager will be assigned to the project to provide a single point of contact for Rutherford County, and to schedule and coordinate activities relevant to the implementation.

## ***Project Management***

A project manager will be assigned by Wireless Communications to facilitate and oversee the complete project, and will be a single contact point for Rutherford County for all items concerning the implementation of this project. The Project Manager will provide the following services toward maintaining an organized and orderly project implementation:

- Inventory of all equipment upon arrival, and deliver equipment inventory list to the Rutherford County;
- Determine and coordinate any site improvements required to ensure the final system operates reliably, according to the manufacturer's specifications, and consistent to Rutherford County's expectations. This includes the connection of all Wireless supplied 911 equipment to an acceptable customer provided grounding system meeting manufacturer's specifications;
- Schedule, coordinate, and facilitate the installation of all equipment;
- Provide responses and coordination with Rutherford County personnel on any areas that are in question during system installation and acceptance;
- Project scheduling;
- Generation and distribution of progress reports throughout the project duration.

The assigned Project Manager will have the power to make significant decisions relevant to the project, and will have direct access to Wireless Communications' top management for resolving problems beyond the Project Manager's direct authority.

The Project Manager will be on site during critical points of the installation of this system, and will perform the following tasks:

- Review all specifications and familiarize himself/herself with the requirements of the project;
- Schedule the delivery, and keep Rutherford County informed at all times of the delivery schedule of all equipment pertaining to this project;
- Coordination of any required engineering;
- Perform all site visitations with a Rutherford County representative;
- Coordinate all site preparation required for the successful installation of this system;
- Provide to Rutherford County all installation documentation, wiring diagrams and as-built documentation;
- Will be on site during the installation of the fixed equipment installation and provide or arrange for additional information and assistance as required by the installation personnel and/or Rutherford County;
- Coordinate the entire optimization effort of this system until accepted by Rutherford County;
- Coordinate training and cutover schedules with Rutherford County;
- Resolve all punch list items to the satisfaction of Rutherford County prior to final acceptance of the system;
- Schedule and attend monthly or weekly meetings, depending on the status and progress of the project, during the system installation, to keep Rutherford County up to date on the status of the system installation.

### ***System Staging***

The VESTA system is pre-staged at the factory. Final system configuration and testing will be performed in the field per data acquired from Rutherford County.

### ***E9-1-1 Equipment Rack Assembly***

The next step in the implementation will be the installation of the equipment rack assembly and all associated equipment. This installation will include several tasks and subprojects.

### ***Punch Blocks***

A finished 4' x 4', 3/4" plywood board will be mounted to the wall of the equipment room, near the planned equipment rack location. The punch block interfaces for the VESTA system, and additional punch blocks as

needed to provide appropriate industry-standard connection points for other interconnected equipment, will be mounted to the board. All inbound telco circuits will terminate on this board.

Cable management devices (e.g., spools, U-rings) will be installed on the board to provide clean routing for cabling and jumpers.

### ***VESTA Installation***

The VESTA equipment rack assemblies will be installed in the Rutherford County PSAP equipment rooms. Cabling will be installed between the FXO and FXS Gateways and their respective punch blocks.

The 9-1-1 trunk interface modules will be configured and jumpers installed to the telco interface punch blocks, as appropriate. Preliminary alignment will be performed on the trunk interfaces to work with connected 9-1-1 trunks.

The computer aided dispatch (CAD) interface from the VESTA will be configured and temporarily connected to the CAD server to verify correct communications parameters and transmission of ANI/ALI data to the CAD system.

### ***VESTA Workstations and Printer Installation***

Seven (7) VESTA workstations and one (1) system printer will be installed at Rutherford County's primary PSAP.

Seven (7) VESTA workstations and two (2) CommandPost units will be installed at Rutherford County's backup PSAP.

The system printer will be configured and connected to the VESTA servers and the workstations will be connected to the E-9-1-1 Ethernet network.

### ***Cutover and Workstation Permanent Installation***

After training is complete, the system will be ready for cutover. At this time the existing 9-1-1 workstations will be replaced, one at a time, with the new VESTA E-9-1-1 equipment. Cutover will be conducted in a manner that has minimal impact to the live operations of the 9-1-1 call answering functions.

New permanent operator position cables will be installed between the VESTA and the workstation positions. Note that this may occur at any time along the implementation process.

Each workstation computer will be installed at an operator position and connected to the VESTA switch via the 9-1-1 Ethernet network. The flat panel touch screen monitors will be connected via high-quality shielded video cables to the video port on the computer, and will be set on the desktop.

The audio logging output of the Sound Arbitration Module (SAM) card will be connected to the Console Interface Electronics (“CIE”) of the radio dispatch console system to allow concurrent use of the headset for both telephone and radio operations if Rutherford County desires. Cables will be routed and dressed neatly and cleanly, in a manner which allows access for service and maintenance.

When all workstations have been installed, the process of switching the 9-1-1 trunks, ALI circuits, and necessary administrative lines from the old system to the new VESTA E-9-1-1 system will occur.

If any major incident or disaster occurs, or at any time as directed by authorized Rutherford County personnel, the implementation will stop. If this occurs during a testing or alignment cycle, Wireless technicians will stabilize the system as quickly as possible and cease operations until notified by authorized county personnel that implementation may continue.

Note that, if allowed by available telco and other resources, simultaneous operation of the existing 9-1-1 system and the new E-9-1-1 system may be possible.

### ***Final Acceptance***

Once all equipment is installed and working, Rutherford County will be invited to submit a “punch list” to Wireless Communications of any problems, deficiencies, or other unsatisfactory conditions.

Wireless Communications will commit a time period to resolve all punch list items, and will act to clear up any identified issues.

When the punch list is completely resolved, the Rutherford County representative will be asked to sign a Final Acceptance Completion Certificate. A sample copy of this certificate is included with this document for reference. By signing this certificate, Rutherford County will acknowledge that Wireless Communications, Inc. has satisfied the deliverables described in this statement of work, and has completed the contractual obligations for this project. At such time, the project will be considered as complete, and the warranty period will begin.

### ***System Warranty and Service***

Following system acceptance, a one-year warranty period with 7x24 service will begin for all equipment provided under this contract. This agreement is subject to the service agreement terms and conditions included with this document.

### ***Rutherford County’s Responsibilities***

The following items are the responsibility of Rutherford County or its agents:

- High speed internet (DSL preferred with Static IP address) access for remote maintenance access; if DSL is PPPoE a router for authentication will be required;
- IP Network connectivity between the primary PSAP equipment room and backup PSAP equipment room. Network shall meet VESTA end-to-end QoS requirements for bandwidth, delay, jitter and loss. Layer 2 with priority queuing. ADS highly recommends dual IP Network connectivity;
- A sufficiently sized ground bus cable between the building's main electrical entrance ground and the communications equipment room;
- Two (2) dedicated single outlet 20A circuits to the equipment room, within six (6) cable feet of each VESTA equipment rack. The termination for these circuits will be with a receptacle TBD and at location to be specified by Wireless. Power should be sourced via emergency generator-backed uninterruptible power supply ("UPS");
- One (1) dedicated 15A circuit into two (2) duplex 5-15R receptacles at each workstation area, at locations specified by Wireless. Power should be sourced via emergency generator-backed uninterruptible power supply ("UPS");
- One (1) RS-232 interface cable, terminated into a DB-9 male connector, from the CAD system for ANI/ALI transfer. Rutherford County is also responsible for coordination with CAD vendor for clarification, testing, and modification (if necessary) of CAD communications protocols;
- Provide manufacturer approved Netclock GPS master clock for system timing;
- Adequate wall space to mount a finished 4' x 4', 3/4" plywood board within six feet (6') of each VESTA equipment rack location;
- Provide and/or order the necessary telco facilities, including (but not limited to):
  - ALI digital modem circuits (to be specified by AT&T), and
  - 911 trunks and admin circuits;

The 911 trunks and ALI circuits shall terminate on an RJ-21 block mounted to the plywood board within six feet (6') of the VESTA equipment rack location. Admin lines shall terminate on a separate Type-66 block mounted to the plywood board within six feet (6') of each VESTA equipment rack location.

Wireless will assist in the identification of these circuits;

- Coordinate scheduling and provide compensation for participants in administrative and telecommunicator end-user training sessions;

- Disposal of excess equipment and old 9-1-1 system;
- Provide parking for at least two (2) mid-sized vans for equipment delivery, and one (1) mid-sized service van for the implementation period;
- Provide Wireless Communications personnel with timely and accurate decisions and responses to requests for technical, operational, and other information.

## Terms and Conditions

The following terms and conditions apply to this project and associated contract:

### A. General

- A.1. The "Customer" is the end-user or owner of the equipment affected by this Statement of Work, and who will receive the direct benefits from the items in this quotation. The "Client" is the contractor who will provide payment to Wireless Communications, Inc.
- A.2. This is a non-union Statement of Work.
- A.3. Wireless Communications, Inc. is an Equal Opportunity Employer.
- A.4. A Professional Engineer's stamp will not be required by the Customer or Client on any drawings.

### B. Limits to Quotation and Statement of Work

- B.1. Pricing is valid only for those items stated within the Statement of Work. Any modifications to the equipment or the statement of work for the original quote must be re-negotiated.
- B.2. Equipment not described or not stated within this Statement of Work that later requires installation and maintenance will require an additional quote, and the associated costs will be borne by Customer or Client.
- B.3. Pricing is valid for 90 days from the date of any quote, and will be invalid if the installation does not commence within six months from the date of the quote. When conditions dictate an excessive delay in a system installation then a re-negotiated quote may be required.
- B.4. Unless specified, this Statement of Work does not include Customer training.
- B.5. No additional equipment will be installed, other than that listed on the provided equipment list or as described in this Statement of Work.
- B.6. No costs are included to relocate equipment, other than as specified in the Statement of Work. The impact of any modifications, improvements, relocations, or enhancements to the site, to site furniture, or to other equipment, is outside the scope of this Statement of Work, unless specified.
- B.7. This Statement of Work does not include project management, or related tasks (e.g., inventory, project oversight, engineering, etc.), unless such services are specifically enumerated in this Statement of Work.
- B.8. This Statement of Work does not include any spare or backup equipment or services, unless specified in the Statement of Work.

### C. Site Readiness and Accessibility

- C.1. All construction, including painting, flooring, ceiling, wall treatments, electrical, and plumbing, will be complete prior to commencement of installation activities.
- C.2. Wireless Communications will not be responsible for additional trips to ascertain the status of work by others. Site visits precipitated by indications of site readiness from either the Customer or Client, where preconditions for installation have not been met, will be billed to the appropriate party at the prevailing rate.
- C.3. Installation areas will be dry, well-lit, clear of debris, and secure from unauthorized trespass.
- C.4. Customer will be required to provide on-site parking for at least one Ford "Econoline" type van.
- C.5. Installers are to have free access to all work areas either by keys or a Customer escort to stay with them at all times. The Customer bears sole responsibility for compensation of Customer escort(s).
- C.6. Statement of Work is based on access to all sites as required by Wireless Communications and their assigned subcontractor(s). Deviations to the specified site locations will require revised pricing.
- C.7. All installation schedules and work will be based upon local weather conditions.
- C.8. Any stated response time(s) is/are based on access to all sites. Wireless Communications Service Center will not be responsible for delays or additional costs

which arise due to inaccessible sites.

C.9. Clear, clean, unobstructed space is provided by the Client or Customer in which to install and mount all equipment.

C.1 Connections for all cabling is readily accessible (as defined in the 2002 National Electrical Code) to technicians during installation.

**D. Customer/Client Responsibilities**

D.1. Customer is to furnish all AC power and phone lines, and is responsible for all recurrent costs for power and telco service.

D.2. The Customer or Client will obtain and provide any required telephone, power, and grounding terminations within four feet of equipment as applicable to make the system operational. Power will include both utility and emergency power.

D.3. Cable raceways, conduit, and cable support structures (e.b., cable ladders, ice bridges) required by the NEC and by local codes for cable routing and installation are the responsibility of the Client or Customer, unless specifically included in the Statement of Work.

D.4. Penetrations and seals of walls, roofs, flooring (e.g., core drilling), and other barriers as required for cable entry and routing are the responsibility of the Client or Customer, unless specifically included in the Statement of Work.

D.5. All permits and/or licenses required for the duration of the contract will be the responsibility of the Customer or Client.

D.6. It is assumed that all data provided by the Customer, the Client, their agents, and their vendors, is accurate and reliable. Costs incurred as a result of inaccurate information will be billed to the Client at the prevailing rates.

D.7. All documentation will be based upon visual observation of current facilities and upon information documented by Customer or Client.

D.8. Additional testing as required by the Customer or Client for acceptance, other than that specified herein, will be charged on a time and material basis, and payment will be the sole responsibility of the Client.

D.9. All equipment, hardware, parts, and supplies are the responsibility of the Customer and/or the Client, unless specifically provided for in this Statement of Work.

**E. Software, Firmware, and Data Entry**

E.1. This Statement of Work does not include creation of any software or manipulation of any spreadsheets or databases, unless specifically enumerated in this Statement of Work.

E.2. Determination of the compatibility, reliability, and appropriateness for the intended use, of any and all versions of software, firmware, or other programs or databases, either affected by, used in, or modified as a result of this statement of work, is the responsibility of the Customer or Client.

E.3. The validity of data provided to Wireless Communications, Inc., and subsequently entered into any Customer-owned databases, spreadsheets, or other software applications will be the responsibility of the Customer or the Client.

**F. Intellectual Property**

F.1. The statement of work contained herein, and all technical information related to this quotation, is proprietary and confidential to Wireless Communications, and may not be disclosed publicly, privately, or in any manner, to anyone other than the indicated Customer or Client, without the express written permission of Wireless Communications, Inc.

F.2. This statement of work, and all attached addenda or documentation, is copyrighted by Wireless Communications, Inc., effective the date shown on the statement of work.

**G. Payment Schedule**

G.1. Unless otherwise specified in this SOW, They payment terms will be a sixty (60) month lease agreement with ePlus Group, Inc. ePlus will pay Wireless Communications three (3) milestones of thirty four (34) percent at contract signing, thirty three (33) percent upon equipment delivery, and thirty three (33) percent upon project acceptance.

G.2. Payments are due at completion of each milestone.

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- G.2. Multiple milestone payments may be made simultaneously, so long as both (or all) payments are made at the time the earliest payment is due.

*Terms and Conditions Revised 10/18/2002*

## Equipment List

The following is a complete list of the equipment which will be supplied by Wireless Communications, Inc. under this contract. Incidental materials, such as screws, mounting hardware, wire, and similar items are not included in this list.

Qty.	Part No.	Description
		<b>VESTA 9-1-1</b>
1	870899-0104R6.1	V911 R6.1 LIC/DOC/MED
1	873099-03002	V911 CAD INTF KIT
1	04000-01584	BLKBX TL158A-R4 DATACAST
1	04000-01010	CBL DB25M/DB25M 10FT
1	870891-66301	VESTA 9-1-1 SMS LIC
1	03800-03040	FIREWALL MODEM 60D
1	03800-03045	WARR FIREWALL 60D 5YR
1	809800-00200	CFG NTKW DEVICE
		<b>VM Medium Server Bundle</b>
		<i>Note: The Medium Server Bundle is for PSAP's up to 40 positions with an annual call volume of 500,000 or less.</i>
1	853031-DLSVRGD-2	V-DL MED SVR BNDL GEO
1	06500-00201	2-POST RELAY RACK MNT KIT
1	04000-00411	SVR WIN2008/2012 CAL 5PK
1	04000-68009	V-SVR BASIC SPT 5YR
		<b>VESTA Prime - Standard Operations</b>
7	PS-0PR-VSSL	VPRIME PER SEAT LIC
7	SS-0PR-VSSL-5Y	SPT VPRIME 5YR
		<b>Geo Diverse Add On License</b>
1	BA-MGD-VSSL	GEO-DIV LIC SYS
		<b>VESTA Workstation Equipment</b>
7	61000-819601SFF	WKST Z240 SFF 64BIT 8GB
7	Wireless	22" Touchscreen Monitors
7	64007-50021	KEYPAD 24 KEY USB CBL 12FT
7	853004-00401	SAM EXT SPKR KIT
7	853030-00302	V911 SAM HDWR KIT
7	02800-20500	HDST 4W MOD ELEC MIC BLK
7	03044-20000	HDST CORD 12FT 4W MOD BLK
7	809800-35109	V911 IWS CFG

7	809800-35108	V911 IWS STG FEE
1	870890-07501	CPR/SYSPREP DVD IMAGE
		<b>VESTA 9-1-1 IRR Module</b>
7	873099-00502	V911 IRR LIC/DOC/MED
7	809800-35114	V911 IRR SW SPT 5YR
		<b>VESTA 9-1-1 CDR Module</b>
1	873099-00602	V911 CDR SVR LIC
7	873099-01102	V911 CDR PER SEAT LIC
		<b>VESTA 9-1-1 Admin Printer</b>
1	64040-60020	PRNTR USB/ETHERNET B/W LJ
		<i>Note: Laserjet Black and White printer. Recommended monthly volume, 250 to 1,500 pages</i>
		<b>Network Equipment</b>
1	03800-03030	FIREWALL- MODEM 60CM
1	03800-03035	WARR FIREWALL F/W-M 5Y
1	809800-00201	VPN CFG SVCS
2	04000-29616	SWITCH 2960-PLUS/CBL 24-PORT
2	04000-29615	WARR 2960 24P NBD 5YR
		<b>Peripherals &amp; Gateways</b>
2	2213937-1-SR1	FXO GATEWAY 8-PORT
2	2213939-1-SR1	FXS GATEWAY 8-PORT
4	04000-00180	SW SPT ANALOG GATEWAY 5YR
		<b>Rack &amp; Peripheral Equipment</b>
1	06500-55053	7FT EQUIPMENT RACK 19IN
1	Wireless	19IN Monitor
1	04000-00808	KVM 8-PORT SWITCH USB

**VESTA 9-1-1 - Side B**

Qty.	Part No.	Description
		<b>VESTA 9-1-1</b>
1	870899-0104R6.1	V911 R6.1 LIC/DOC/MED
1	873099-03002	V911 CAD INTF KIT
1	04000-01584	BLKBX TL158A-R4 DATACAST
1	04000-01010	CBL DB25M/DB25M 10FT
1	870891-66301	VESTA 9-1-1 SMS LIC
1	03800-03040	FIREWALL MODEM 60D
1	03800-03045	WARR FIREWALL 60D 5YR

1	809800-00200	CFG NTWK DEVICE
		<b>VM Medium Server Bundle</b>
		<i>Note: The Medium Server Bundle is for PSAP's up to 40 positions with an annual call volume of 500,000 or less.</i>
1	853031-DLSVRGD-2	V-DL MED SVR BNDL GEO
1	06500-00201	2-POST RELAY RACK MNT KIT
1	04000-68009	V-SVR BASIC SPT 5YR
		<b>VESTA Prime - Standard Operations</b>
7	PS-0PR-VSSL	VPRIME PER SEAT LIC
7	SS-0PR-VSSL-5Y	SPT VPRIME 5YR
		<b>Geo Diverse Add On License</b>
1	BA-MGD-VSSL	GEO-DIV LIC SYS
		<b>VESTA Workstation Equipment</b>
7	61000-819601SFF	WKST Z240 SFF 64BIT 8GB
7	Wireless	22" Touchscreen Monitors
7	64007-50021	KEYPAD 24 KEY USB CBL 12FT
7	853004-00401	SAM EXT SPKR KIT
7	853030-00302	V911 SAM HDWR KIT
7	02800-20500	HDST 4W MOD ELEC MIC BLK
7	03044-20000	HDST CORD 12FT 4W MOD BLK
7	809800-35109	V911 IWS CFG
7	809800-35108	V911 IWS STG FEE
1	870890-07501	CPR/SYSPREP DVD IMAGE
		<b>VESTA 9-1-1 IRR Module</b>
7	873099-00502	V911 IRR LIC/DOC/MED
7	809800-35114	V911 IRR SW SPT 5YR
		<b>VESTA 9-1-1 CDR Module</b>
1	873099-00602	V911 CDR SVR LIC
7	873099-01102	V911 CDR PER SEAT LIC
		<b>VESTA 9-1-1 Admin Printer</b>
1	64040-60020	PRNTR USB/ETHERNET B/W LJ
		<i>Note: Laserjet Black and White printer. Recommended monthly volume, 250 to 1,500 pages</i>
		<b>Network Equipment</b>
1	03800-03030	FIREWALL- MODEM 60CM
1	03800-03035	WARR FIREWALL F/W-M 5Y
1	809800-00201	VPN CFG SVCS
2	04000-29616	SWITCH 2960-PLUS/CBL 24-PORT

2	04000-29615	WARR 2960 24P NBD 5YR
		<b>Peripherals &amp; Gateways</b>
2	2213937-1-SR1	FXO GATEWAY 8-PORT
2	2213939-1-SR1	FXS GATEWAY 8-PORT
4	04000-00180	SW SPT ANALOG GATEWAY 5YR
		<b>Rack &amp; Peripheral Equipment</b>
1	06500-55053	7FT EQUIPMENT RACK 19IN
1	Wireless	19IN Monitor
1	04000-00808	KVM 8-PORT SWITCH USB

**Spare Parts**

Qty.	Part No.	Description
		<b>VESTA 9-1-1 Equipment - Recommended Spares</b>
1	2213937-SPARE	FXO GATEWAY 8-PORT SPARE
1	2213939-SPARE	FXS GATEWAY 8-PORT SPARE
1	04000-29616	SWITCH 2960-PLUS/CBL 24-PORT
1	04000-29615	WARR 2960 24P NBD 5YR
1	Wireless	22" Touchscreen Monitors
1	64007-50021	KEYPAD 24 KEY USB CBL 12FT

**Managed Services**

Qty.	Part No.	Description
		<b>Monitoring &amp; Response Activation Fee - Side A</b>
1	809800-14151	M&R ACT FEE, MED SITE
		<b>Monitoring &amp; Response License Fees</b>
1	871499-01206	M&R 3.0 LIC SVR <i>Note: Includes (1) DDS Server</i>
8	871499-01211	M&R 3.0 WKST LIC <i>Note: Includes (7) Workstations, (1) Management Console</i>
1	871499-01212	M&R 3.0 LIC VM HOST <i>Note: Includes (1) Virtual Host/Machine.</i>
9	871499-01210	M&R 3.0 IP DEVICES LIC <i>Note: Includes (1) MDS Server, (1) Management/Node VM, (2) Gateways, (1) Firewall, (1) Firewall for SMS, (2) Cisco Switches, (1) Virtual Machine</i>
		<b>Monitoring &amp; Response Support Fees</b>
1	809800-14165	M&R 3.0 SVR SRVC 5YR

8	809800-16165	M&R 3.0 WKST SRVC 5YR
10	809800-16170	M&R 3.0 IP DEV SRVC 5YR
		<b>Monitoring &amp; Response Activation Fee - Side B</b>
1	809800-14151	M&R ACT FEE, MED SITE
		<b>Monitoring &amp; Response License Fees</b>
1	871499-01206	M&R 3.0 LIC SVR <i>Note: Includes (1) DDS Server</i>
8	871499-01211	M&R 3.0 WKST LIC <i>Note: Includes (7) Workstations, (1) Management Console</i>
1	871499-01212	M&R 3.0 LIC VM HOST <i>Note: Includes (1) Virtual Host/Machine.</i>
9	871499-01210	M&R 3.0 IP DEVICES LIC <i>Note: Includes (1) MDS Server, (1) Management/Node VM, (2) Gateways, (1) Firewall, (1) Firewalls for SMS, (2) Cisco Switches, (1) Virtual Machine</i>
		<b>Monitoring &amp; Response Support Fees</b>
1	809800-14165	M&R 3.0 SVR SRVC 5YR
8	809800-16165	M&R 3.0 WKST SRVC 5YR
10	809800-16170	M&R 3.0 IP DEV SRVC 5YR

**Services**

<b>Qty.</b>	<b>Part No.</b>	<b>Description</b>
1	Wireless	Shipping
1	Wireless	Turnkey Installation
48	809800-17005	<b>Field Engineering Services</b> FIELD ENG REMOTE SVCS <i>Note: Configure Cisco Switches and Routers ONLY.</i>
16	809800-17101	FIELD ENG-PRIMARY
3	Wireless	Admin & Call Taker Training
1	GP933-94	Netclock Command Center Package

**Rutherford County E-9-1-1 System  
Detailed Statement of Work**



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14	KV0004A-R2	Workstation KVM's
56	141473	Belkin Cables

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