CAROLINA RECORDING SYSTEMS

We have prepared a quote for you

Union County 911 - Primary/Backup Sites

Quote # 000349
Version 2

Prepared for:

Union County 911

Mark Watson
mark.watson@unioncountync.gov

CAROLINA RECORDING SYSTEMS

Thursday, October 28, 2021

Union County 911
Mark Watson
500 N. Main Street Room 13
Monroe, NC 28112
mark.watson@unioncountync.gov

Dear Mark,

We are excited to submit to Union County 911, the enclosed proposal for a communications recording system. After discussing with you, we are presenting a proposal which details the most beneficial approach to meet and exceed your current recording needs. As we have hopefully demonstrated through our interactions, Carolina Recording Systems prides itself in offering a relationship-focused service to each of our customers and are passionate about doing what is right through a collaborative approach to each solution.

Carolina Recording Systems brings to this project over 20 years of recording experience as a company along with a team possessing decades of experience and knowledge of technical solutions and operational knowledge of best practices from the user perspective. When partnering with Carolina Recording Systems, we hope you will experience service levels far beyond any provider in our industry.

We thank you and look forward to the continued relationship with your agency. We are excited for the opportunity to work with Union County 911, as your long-term partner to provide the next level of progression in recording systems. If there are any questions you may have regarding this proposal or our company, please feel free to reach out and contact us.

Respectfully,

Vic Williams
Sr. Account Manager
CRS / Carolina Recording Systems, LLC

CAROLINA RECORDING SYSTEMS

ABOUT US

CAROLINA RECORDING SYSTEMS, LLC

Carolina Recording Systems is a leading designer, installer, and service provider of communication recording systems. Operating since 2001, we pride ourselves in providing reliable products designed specifically to meet the needs and requirements of mission-critical call centers.

Knowing the importance of personal relationships, customer service and accessibility, our primary focus is being a high touch service provider to fill a void we see in our industry. Carolina Recording Systems continues to add local service technicians even as others follow the trend of diminishing that support.

Our increasing success as a solutions provider is attributed to our company's ability to:

- specialize in selling, installing, and servicing communication recording systems designed specifically for mission-critical call centers
- only focus on recording systems and solutions, which allows us extensive knowledge of the products and the industries we serve
- be the trusted expert of recording systems and solutions for our customers
- provide and service multiple solutions in a customized approach
- perpetually monitor and evaluate manufacturers' developments
- ensure our technicians are certified and continue to receive up-to-date vendor training
- always do what is right

CRS full-time technicians provide comprehensive on-site service and training and are strategically located throughout our geographic territory. Although we believe there is no substitute for on-site visits, we do have the capabilities to do remote-in work and provide 24/7 response.

Our relationship focus keeps us thoroughly involved in national and local industry association chapters, thus providing an opportunity to stay abreast of the latest industry needs and opportunities.

EXECUTIVE SUMMARY

RECORDING SYSTEM

To fulfill the recording requirements of Union County 911, we are proposing the Eventide NexLog DX communications recording system. Eventide invented the first digital communications recorder in 1989. With thousands of communications recorders in service in such diverse applications as corporate call centers, NORAD, nuclear submarines, NASA, maximum security prisons, air traffic control, hospitals, universities, transit and 9-1-1 call centers throughout the world, Eventide continues its tradition of combining unmatched ease-of-use with mission-critical reliability.

Eventide's NexLog DX mission-critical communications logging systems reliably capture, store, protect, reproduce, and help you manage important interactions and critical data. NexLog logging systems have been designed to help you securely document and retrieve incidents, comply with regulations, and improve your facility's operations

SOLUTION

DESIGN INFORMATION

The Eventide NexLog DX is a purpose-built Linux operating system configured with multiple levels of resilience, including dual hot-swap redundant power supplies, redundant hard disk drives, redundant network capability (via NIC bonding), and multiple choices for archive redundancy and network archiving to another NexLog recorder. **Eventide's recording systems are designed, assembled, tested, and supported exclusively in the USA.**

Configuration, playback, retrieval, and incident management is accessed via a secured web interface. The web-based application eliminates the need for software to install or updates to manage. The system can also be accessed over a VPN without the need to install additional software, creating a simplified PC deployment process.

A multi-tier security system controls user access based on role and channel assignments. Password policy options include complexity enforcement, automatic aging, change reminders, expiration, and lock-out. System access can also be controlled by an SMB share or active directory. In addition, each user's access and actions are audited and available for review.

The proposed Eventide NexLog DX recorder is equipped with **RAID Array Storage** that combines multiple hard disks into a logical drive for redundancy and increased performance. In the event of a drive failure, the logical drive is not affected. Data integrity and recording functions are unaffected and redundancy is automatically restored once the failed component is replaced.

To meet the recording needs for Union County 911, our solution has been crafted to provide the highest level of redundancy, security, and usability.

ARCHITECTURE

HIGH LEVEL DIAGRAM

Union County NC Emergency Communications – Recording Inputs
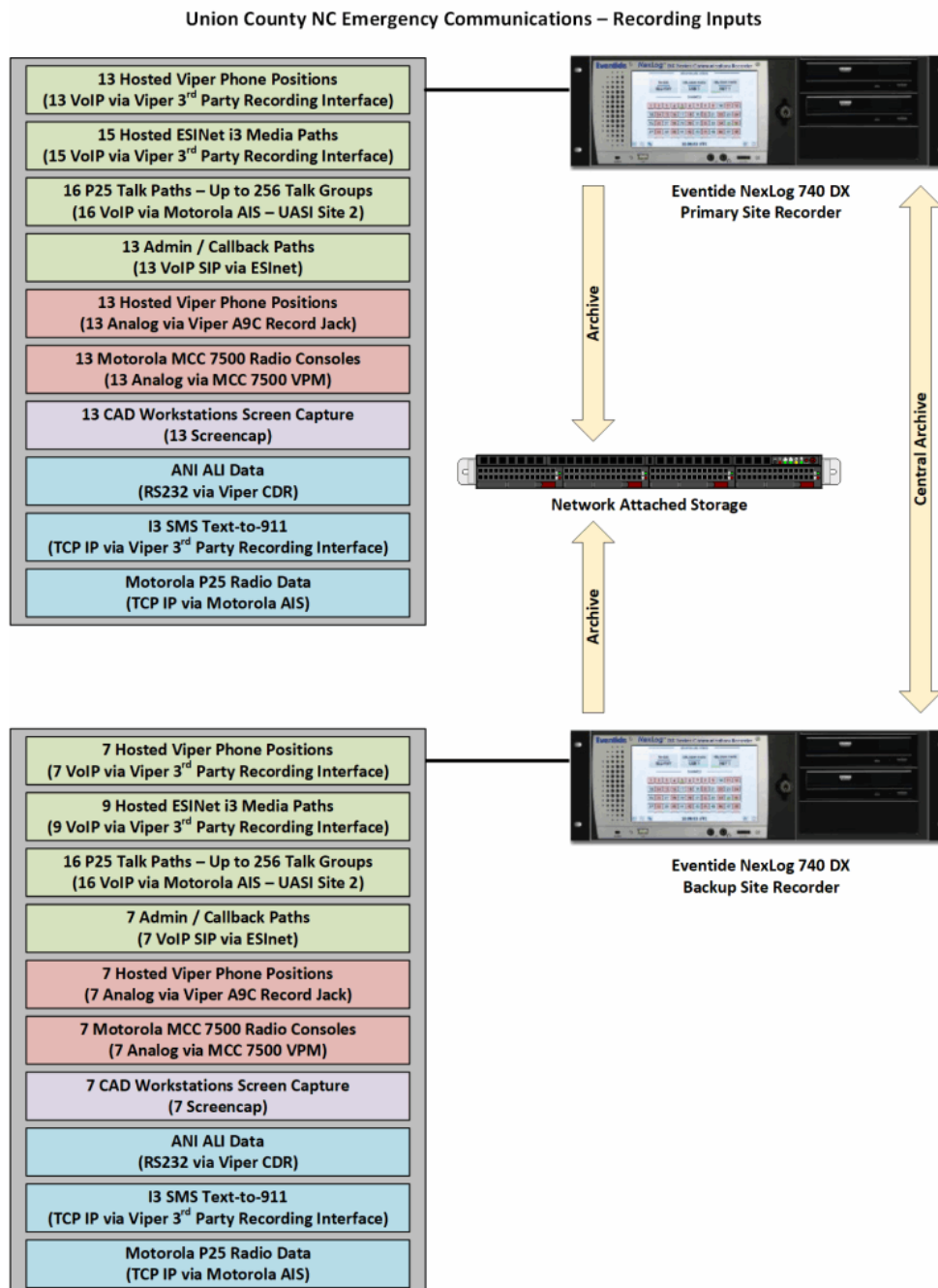
SCOPE

STATEMENT OF WORK

CRS will complete the following steps for Union County 911:

- Conduct an initial project kickoff and site walkthrough to define physical recorder installation and structure cabling details and requirements

- Document critical technical details required to complete recorder configuration such as TCP/IP addresses, system hostname, NTP server, channel definition and requirements, etc.

- Insert appropriate recording solution hardware and apply licenses.

- Complete NexLog DX system burn-in and staging for recorder(s) to ensure no immediate component failure.

- Complete NAS system burn-in and staging, if purchased, to ensure no immediate component failure.

- Configure basic recording solution system parameters as a part of the system staging process for recorder(s).

- Transport the recording solution to the Union County 911 communications data center for onsite staging.

- Mount new 66 blocks and run new analog cabling.

- Rack and power the NexLog DX and NAS within their respective data center locations.

- Configure advanced recording solution system parameters required for radio, phone and CAD integration for recorder(s).

- Install screen agents onto CAD systems for agent desktop recording for recorder(s).

- Conduct end user training as needed by Union County 911 personnel.

In addition to completing the above steps as a part of the recording solution implementation, CRS will provide a dedicated project manager to ensure consistent project status communication and on-time, on budget project delivery.

CAROLINA RECORDING SYSTEMS

STANDARD FEATURES

MEDIAWORKS PLUS

MediaWorks Plus is a browser-based software which provides a comprehensive set of easy-to-use tools for search, replay, instant recall, incident reconstruction and call export. Capabilities include live call monitoring, multi-parameter search, multiple-call replay via graphical time-line with pan/zoom, waveform displays, variable-speed replay, drag and drop into incident tabs, call notes, text annotations, redaction, obfuscation, and protection. The incident reconstruction software helps users quickly find and export recordings via email, DVD or Blu-Ray.
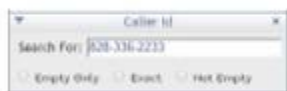
MediaWorks Plus gives a system administrator the easy-to-use capability for defining customized groups, users and channels through mouse click functionality. Carolina Recording Systems will also initially assist in the customized set up of the desired groupings during the installation process.

Secure Browser Based Playback
Securely access assigned resources via networked PCs using a variety of browsers.

Waveform Displays
You can visually determine the locations of audio content and silence within important recordings.

Multi-Parameter Search
Finding recordings is quick and easy. Search by date/time, channel, resource, and any metadata.

Text and Voice Annotations
Multiple text and voice annotations can be quickly added to recordings along the time-line, documenting the timing of important actions and events.

Multi-Channel Graphical Time-Line
Quickly view the timing of recordings across any number of channels, and replay from the time-line.

Metadata Display on the Call-View Grid
Easily customize which metadata fields are presented on the call-view grid. Recordings may be sorted (ascending or descending) using any of the displayed metadata columns.

Flexible Playback Capabilities Recordings may be replayed sequentially or mixed. Controls include itch-corrected adjustable speed, loop, skip forward/back, playback Automatic Gain Control and more.

Instant Recall The multi-channel Instant Recall tab helps call takers and dispatchers improve their accuracy and performance by quickly confirming what was said.

Call Notes

You can quickly create a note that summarizes the important events within each recording.

Channel Name	Start Time ~	Note
audio 1	2015-12-02 11:54:19 -05:00	Twin County Recording

Talking Date and Time

Spoken date and time can be enabled during replay and may be incorporated within exported media.

Incident Tabs

Incident-related recording can be easily grouped together onto dedicated Incident Tabs. Incidents may be named, saved and recalled at a later date.

Flexible Export and Email

The menu-driven export tool lets you quickly make copies of complete incidents or individual calls. Send via email or export to USB, CD, DVD or Blu-ray.
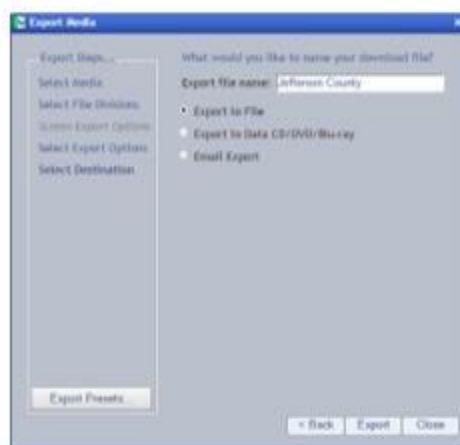
Live Monitoring

Multi-channel live monitoring allows you to conveniently listen to calls as they are occurring.

Channel Name	Cha...	Live Mon...	Channel Status
screen 1	001		Idle
audio 1	002		Recording
this is position 1	003		Idle
audio 2	004		Idle
Avtec 1	005		Inactive
Avtec 2	006		Inactive
Channel 7	007		Inactive
Channel 8	008		Inactive
sky 1	009		Inactive
sky 2	010		Inactive
sky 3	011		Inactive
sky 4	012		Inactive

SYSTEM STATUS NOTIFICATIONS

System Status Notifications are available in a variety of ways on the NexLog platform.

Administrators and Service Technicians can be notified by email, client interface, SNMP, and the 7" front panel display.

Numerous notifications options include, but are not limited to, channel inactivity, failure to record, unusual recording length, system disconnection, hard disk failure, process failure, and network disruption.

IDENTITY PROTECTION

Identity Protection is available via the voice obfuscation and redaction tool.

It allows the user to modify and export recordings with silence, beep tones, and increased volume in the selections you choose.

It also allows the pitch of the dispatcher or caller's voice to be altered for privacy purposes.

The original call is left in its original, unaltered form for legal authenticity verification.
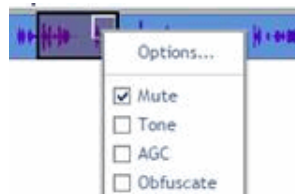
AVAILABLE OPTIONS

ENHANCED REPORTING (available for a fee)

NexLog DX communications recording systems include tabular and graphical reports that can be run at any time. These daily, weekly, and monthly reports provide managers with valuable information about call volumes and channel activity.
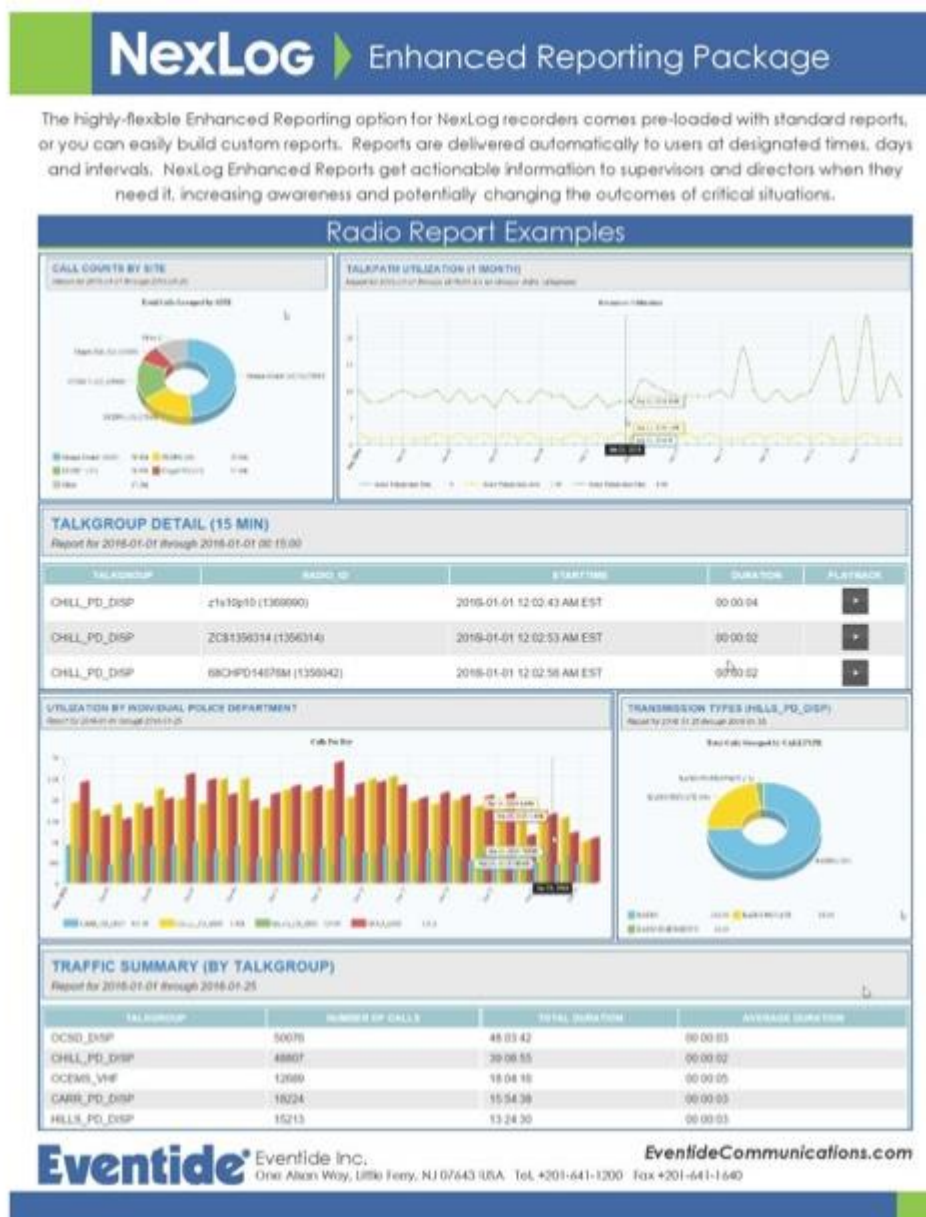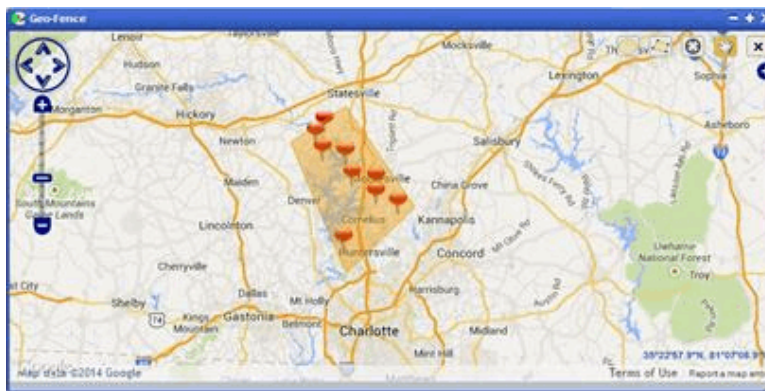
CAROLINA RECORDING SYSTEMS

GEO-FENCE SEARCH (available for a fee)

Geo-Fence Search Utilizes Google Maps and allows searching by a polygonal geographic area or circular radius.

All calls/radio transmissions with a latitude/longitude can be displayed in real time on a heat/saturation map.

Local proprietary maps can be added/utilized as well, for an additional fee.

QUALITY FACTOR (available for a fee)

Quality Factor is call evaluation software that helps managers evaluate and quantify call taker proficiency in each area of performance specific to a communications center.

Quality Factor includes an Evaluation Form builder to quickly design forms that identify key performance results on an individual, shift, and center basis.

Quality Factor helps focus on areas that need improvement, provide analytical support data to bolster budgetary requests, and address citizen or government quality/performance inquiries.

CAROLINA RECORDING SYSTEMS

SCREEN RECORDING (included in total)

Screen Recording is an option that can capture all workstation activity.

The recordings are centrally archived on the primary Eventide NexLog DX recorder and can be viewed along with the calls for training, incident recreation, and exporting.

CAROLINA RECORDING SYSTEMS
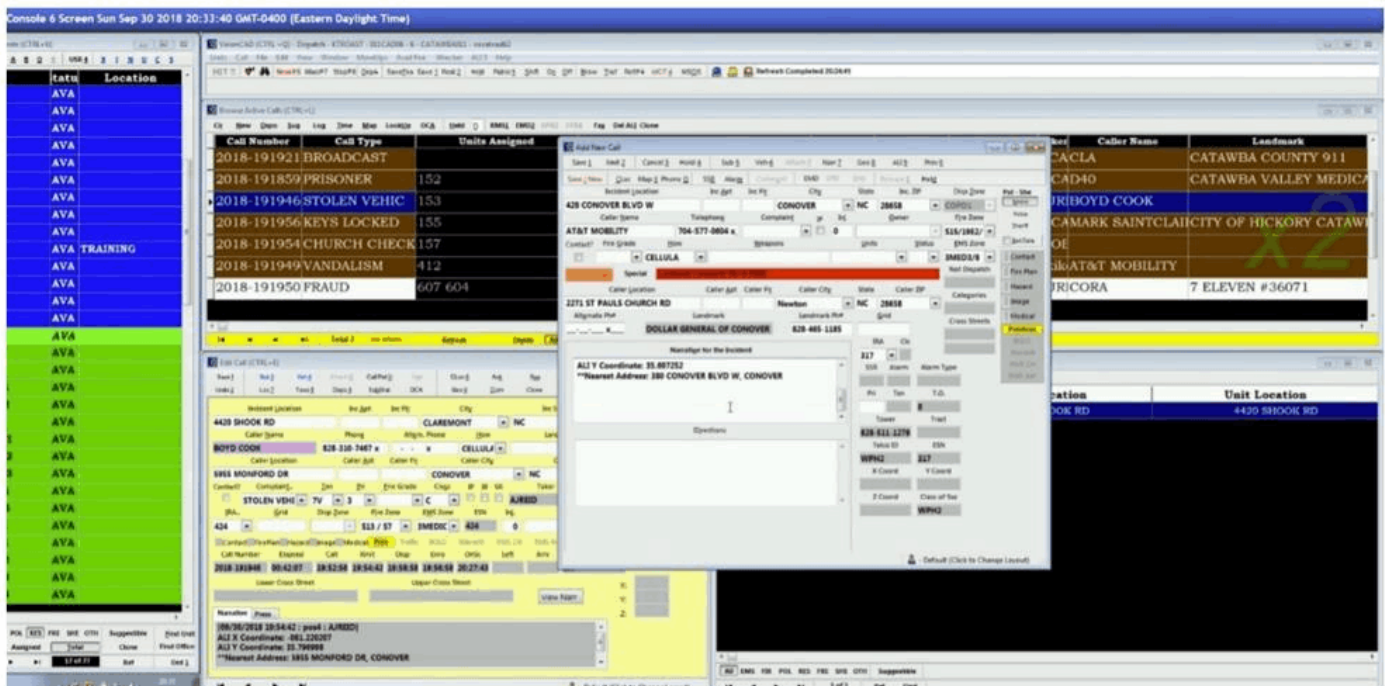
LETTER OF CERTIFICATION

Eventide®

January 1, 2021

To: Whom it may concern:

Subject: Eventide Inc. Fully Certified Factory Trained Sales & Service Center

Eventide Inc. has certified **Carolina Recording Systems** as a fully authorized Eventide **factory trained sales and service center** for the region covering North Carolina, South Carolina, West Virginia, Virginia, Tennessee & Maryland. As such, superior sales support and after sales service support can be guaranteed.

Carolina Recording Systems is the **only company** in this region to receive this certification from Eventide.

CRS is authorized to quote GSA prices from our GSA Contract to State & Local government agencies.

Cordially,

Gordon Moore
General Manager
Eventide Inc.

Copy:
Byron Burns
Manager
Carolina Recording Systems
Ph: (704) 578-8025
Fax: (888) 776-0201
byron.burns@crsnc.com

EVENTIDE INC. • One Alsan Way • Little Ferry, NJ 07643-1001 • USA
☎201.641.1200 • fax 201.641.1640 • www.eventide.com • loggers@eventide.com

ASTRO 25 Considerations

AIS Procured Equipment

In addition to the quoted Eventide licensing, the ASTRO 25 recording solution requires the following items that will need to be procured from Motorola:

- MCC 7500 Archive Interface Server (AIS)
- MCC 7500 Voice Processing Module (VPM)
- Motorola Control Room Firewall

Each AIS and VPM combination is limited to 120 concurrent talkpaths and up to 256 talkgroups that can be recorded. If a site has more than 256 groups that they may need recorded, they will need more than one AIS, VPM, and integration license to accommodate.

CAROLINA RECORDING SYSTEMS

Primary Site

Product Details	Quantity	List Price	Unit Price	Ext. Price
GSA Contract # GS-35F-0415V				
NexLog740DX **NexLog 740 DX-Series base system: 3U rack-mountable, Core i5 CPU, 16GB DDR4 RAM, 2 Network Ports (100/1000), Embedded Linux, NexLog DX-Series software, web- based configuration manager, audio contro** 33411	1	$7,995.00	$6,524.89	$6,524.89
DX701 **Integrated 7" Color LCD Touch Screen Display** 33411	1	$1,595.00	$1,301.71	$1,301.71
DX730 **Standard NexLog 740 DX-Series Archive: 1 Blu-ray Drive (also supports single-side DVD-RAM media)** Open Market	1	$0.00	$0.00	$0.00
324430 **Rack Mount Slides - 4 Post, 3U (for NexLog 740DX)** 33411	1	$360.00	$293.80	$293.80
DX712 **Upgrade NexLog 740 DX-Series (at time of order) to 4x4TB HotSwap RAID5=12TB storage** 33411	1	$6,190.00	$5,051.79	$5,051.79
DXANA24 **24-Channel Analog PCIe (PCI Express) Card, 24 Ch. Licenses** 811212	1	$6,000.00	$4,896.73	$4,896.73
DXANA8 **8-Channel Analog PCIe (PCI Express) Card, 8 Ch. Licenses** 811212	1	$2,700.00	$2,203.53	$2,203.53
109033-003 **Quick Install Kit (9 ft. Cable + "66" Block):** 33411	2	$220.00	$179.55	$359.10
271052 **Internal IP Recorder with First 8 G.711 Channels** 511210	1	$3,850.00	$3,468.51	$3,468.51
271035 **Additional Internal IP G.711 8-Channel license pack** 33411	7	$1,750.00	$938.54	$6,569.78
DX755 **Quad Port 100/1000 PCIe (PCI Express) Network Card (for NexLog 740 DX-Series recorder only)** 811212	1	$1,440.00	$1,175.21	$1,175.21
271139 **Eventide Interface license (audio) for West VIPER 911 IP/SPAN Recording** 511210	1	$2,495.00	$2,036.22	$2,036.22

Primary Site

Product Details		Quantity	List Price	Unit Price	Ext. Price
DX905	**Intrado VIPER Enhanced CDR Integration** 511210	1	$5,000.00	$4,080.60	$4,080.60
271171	**SMS Recording Enabler for IP channels (for West VIPER, Emergitech)** 511210	1	$1,995.00	$1,628.16	$1,628.16
209029	**911 NENA ANI/ALI CAD Spill Integration - USA/Canada only** 511210	1	$3,495.00	$2,852.34	$2,852.34
271070	**Windows Screen Recording (First 5 PCs on recorder)** 511210	1	$2,500.00	$2,040.30	$2,040.30
271076	**Windows Screen Recording (5 additional PCs on recorder)** 511210	2	$500.00	$408.06	$816.12
271083	**8 pack MediaWorks DX (web) concurrent license** 33411	2	$995.00	$812.04	$1,624.08
271051	**Additional Network Archive License (1 is included):** 511210	1	$250.00	$204.03	$204.03
271014	**Central Archive License (for archive to another NexLog)** 511210	1	$1,670.00	$1,362.92	$1,362.92

Subtotal: **$48,489.82**

CAROLINA RECORDING SYSTEMS

Optional Non-Eligible Items - Primary Site

Product Details	Quantity	List Price	Unit Price	Ext. Price
GSA Contract # GS-35F-0415V				
271111 **Eventide MP3 option for MediaWorks DX** 511210	1	$195.00	$159.14	$159.14
115021 **Enhanced Reports Engine** 511210	1	$1,495.00	$812.04	$812.04
271098 **Geo Search/View (Requires Lat/Lon, MW PLUS, Google Maps)** 33411	1	$995.00	$812.04	$812.04
271176 **RapidSOS Integration for wireless 9-1-1 caller location display (1 license required for each NexLog Recorder that will connect to RapidSOS); Also requires ANI/ALI CAD Spill Integration (p/n 209029) and Geo Search/View option (p/n 271098).** 511210	1	$5,000.00	$4,080.60	$4,080.60
DX906 **Sungard CAD Integration** 511210	1	$5,000.00	$4,080.60	$4,080.60

Subtotal: **$9,944.42**

CAROLINA RECORDING SYSTEMS

Backup Site

Product Details	Quantity	List Price	Unit Price	Ext. Price
GSA Contract # GS-35F-0415V				
NexLog740DX **NexLog 740 DX-Series base system: 3U rack-mountable, Core i5 CPU, 16GB DDR4 RAM, 2 Network Ports (100/1000), Embedded Linux, NexLog DX-Series software, web- based configuration manager, audio contro** 33411	1	$7,995.00	$6,524.89	$6,524.89
DX701 **Integrated 7" Color LCD Touch Screen Display** 33411	1	$1,595.00	$1,301.71	$1,301.71
DX730 **Standard NexLog 740 DX-Series Archive: 1 Blu-ray Drive (also supports single-side DVD-RAM media)** Open Market	1	$0.00	$0.00	$0.00
324430 **Rack Mount Slides - 4 Post, 3U (for NexLog 740DX)** 33411	1	$360.00	$293.80	$293.80
DX712 **Upgrade NexLog 740 DX-Series (at time of order) to 4x4TB HotSwap RAID5=12TB storage** 33411	1	$6,190.00	$5,051.79	$5,051.79
DXANA16 **16-Channel Analog PCIe (PCI Express) Card, 16 Ch. Licenses** 811212	1	$4,000.00	$3,264.48	$3,264.48
109033-003 **Quick Install Kit (9 ft. Cable + "66" Block):** 33411	1	$220.00	$179.55	$179.55
271052 **Internal IP Recorder with First 8 G.711 Channels** 511210	1	$3,850.00	$3,468.51	$3,468.51
271035 **Additional Internal IP G.711 8-Channel license pack** 33411	4	$1,750.00	$938.54	$3,754.16
DX755 **Quad Port 100/1000 PCIe (PCI Express) Network Card (for NexLog 740 DX-Series recorder only)** 811212	1	$1,440.00	$1,175.21	$1,175.21
271139 **Eventide Interface license (audio) for West VIPER 911 IP/SPAN Recording** 511210	1	$2,495.00	$2,036.22	$2,036.22
DX905 **Intrado VIPER Enhanced CDR Integration** 511210	1	$5,000.00	$4,080.60	$4,080.60

CAROLINA RECORDING SYSTEMS

Backup Site

Product Details		Quantity	List Price	Unit Price	Ext. Price
271171	**SMS Recording Enabler for IP channels (for West VIPER, Emergitech)** 511210	1	$1,995.00	$1,628.16	$1,628.16
209029	**911 NENA ANI/ALI CAD Spill Integration - USA/Canada only** 511210	1	$3,495.00	$2,852.34	$2,852.34
271070	**Windows Screen Recording (First 5 PCs on recorder)** 511210	1	$2,500.00	$2,040.30	$2,040.30
271076	**Windows Screen Recording (5 additional PCs on recorder)** 511210	1	$500.00	$408.06	$408.06
271083	**8 pack MediaWorks DX (web) concurrent license** 33411	2	$995.00	$812.04	$1,624.08
271051	**Additional Network Archive License (1 is included):** 511210	1	$250.00	$204.03	$204.03
271014	**Central Archive License (for archive to another NexLog)** 511210	1	$1,670.00	$1,362.92	$1,362.92

Subtotal: **$41,250.81**

AIS - Primary

Product Details		Quantity	Unit Price	Ext. Price
209220	**Integration to Motorola ASTRO 25 system - Initial ASTRO version - SINGLE AIS**	1	$14,995.00	$14,995.00
	Open Market			
271141	**Mandatory license fee for Initial Astro System Release - for end-customer with ONE AIS (or FIRST AIS) (Non-Discountable; must be pre-paid)**	1	$54,995.00	$54,995.00
	Open Market			
324720	**DVSI 2-Port USB Decoder Unit (for P25, DMR, MOTOTRBO, NXDN) - Max 8**	2	$2,448.36	$4,896.72
	33411			
115015	**Mandatory Remote Install Prep for P25 or TETRA; (Non-Discountable)**	1	$2,856.42	$2,856.42
	33411			

Subtotal: **$77,743.14**

AIS - Backup

Product Details		Quantity	Unit Price	Ext. Price
209221	**Integration to Motorola ASTRO 25 system - Initial ASTRO version - per ADD'L AIS**	1	$5,995.00	$5,995.00
	Open Market			
271142	**Mandatory license fee for Initial Astro System Release - for same end-customer, PER EACH AIS BEYOND FIRST AIS (Non-Discountable; must be pre-paid)**	1	$12,495.00	$12,495.00
	Open Market			
324720	**DVSI 2-Port USB Decoder Unit (for P25, DMR, MOTOTRBO, NXDN) - Max 8**	2	$2,448.36	$4,896.72
	33411			
115015	**Mandatory Remote Install Prep for P25 or TETRA; (Non-Discountable)**	1	$2,856.42	$2,856.42
	33411			

Subtotal: **$26,243.14**

Peripherals

Product Details	Quantity	List Price	Unit Price	Ext. Price
NAS-25512 **Network Attached Storage Server: 1U Rack Mount, 12TB Hot Swap RAID 5, Windows Server 2019, Intel Xeon CPU, 32GB RAM, Redundant PSU, Redundant Network** Open Market	1	$4,895.00	$4,895.00	$4,895.00

Subtotal: **$4,895.00**

Installation Services

Product Details	Quantity	List Price	Unit Price	Ext. Price
INSTALL **Services include pre-installation site survey, installation, configuration, testing and unlimited training.**	1	$12,000.00	$12,000.00	$12,000.00

Subtotal: **$12,000.00**

Shipping

Product Details	Quantity	List Price	Unit Price	Ext. Price
MAN S&H **Manufacturer Shipping and Handling**	3	$175.00	$175.00	$525.00

Subtotal: **$525.00**

P.O. Box 11311
Charlotte, NC 28220
www.crsnc.com
(888) 661-0202

CAROLINA RECORDING SYSTEMS

Union County 911 - Primary/Backup Sites

Prepared by:

CRS / Carolina Recording Systems, LLC

Vic Williams
(252) 375-6579
vic.williams@crsnc.com

Prepared for:

Union County 911

500 N. Main Street Room 13
Monroe, NC 28112
Mark Watson
704-292-2625
mark.watson@unioncountync.gov

Quote Information:

Quote #: 000349

Version: 2
Delivery Date: 10/28/2021
Expiration Date: 03/31/2022

Quote Summary

Description	Amount
Primary Site	$48,489.82
Optional Non-Eligible Items - Primary Site	$9,944.42
Backup Site	$41,250.81
AIS - Primary	$77,743.14
AIS - Backup	$26,243.14
Peripherals	$4,895.00
Installation Services	$12,000.00
Shipping	$525.00
Total:	**$221,091.33**

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Installation Considerations:
Customer's radio, telephone, and CAD vendors should provide the proper inputs, identified and terminated within 6 feet of the recorder's physical location. Customer is responsible for insuring the necessary 3rd party licensing, installation, and integration work is completed by its other vendors.

Order Remittance: Please approve orders online via the provided secure link or email Purchase Orders to orders@crsnc.com.

CRS / Carolina Recording Systems, LLC

Union County 911

Signature:

Name: Vic Williams

Title: Sr. Account Manager

Date: 10/28/2021

Signature:

Name: Mark Watson

Date:

Carolina Recording Systems, LLC

MOTOROLA ASTRO P25 RECORDING SUMMARY

REVISION 6: FEBRUARY 10, 2021

CONTENTS

OVERVIEW

This integration applies to a NexLog DX recording systems integrated with a Motorola AIS server version 7.1x or A20xx.

The Eventide NexLog recording system interfaces via integration with a dedicated Motorola MCC 7500 Archiving Interface Server (AIS) for Metadata, and a Voice Processing Module (VPM) for audio.

To enable the Eventide recorder access to the voice media and metadata on the MCC 7500, Eventide software is installed on the AIS server. This software is referred to by Eventide as "The Eventide Proxy for AIS". The Proxy acts as a gateway to the Eventide recorder, and utilizes the MCC7500 Logging API to perform the following functions on behalf of the NexLog recorder:

- Relay events and commands to and from the NexLog recorder
- Request Logging Resource Assignments (note that the AIS limits the quantity to 256 per AIS Server)
- Request Logging Resource De-assignments
- Request Critical Resource Selects (Critical Resources will be given priority for audio delivery to the recorder if the AIS PC is running at or near full capacity)
- Assign the Logging Destination (the network address of the NexLog recorder)
- Receive call-by-call event data and Emergency Activations
- Receive change notifications from the radio system's Network Management System

INTEGRATION INFORMATION

REQUIRED MOTOROLA SUPPLIED EQUIPMENT

- Motorola MCC 7500 Archive Interface Server (AIS) PC
- Motorola MCC 7500 Voice Processing Module (VPM)
- Motorola Control Room firewall (RNI Firewall)

FIREWALL CONFIGURATION

Both the AIS Server, and its associated VPM are connected to the Motorola radio Infrastructure (RNI).

The Eventide NexLog recorders are equipped with dual network ports. One interface is connected to the Customer Enterprise Network (CEN) for playback and management, while the other interface is dedicated to accessing the Motorola Network via the Motorola RNI firewall. Communications between the Eventide NexLog recorder and the MCC 7500 AIS Server and VPM use Network Address Translation (NAT) on both sides of the firewall.

Device	Device	Ports / Protocols	Note
Motorola P25 Recorders	Motorola AIS Server (NAT Address via Motorola Firewall)	UDP 60000 (Bi-Directional)	Connection to Eventide Proxy service running on AIS PC
Motorola P25 Recorders	Motorola MCC 7500 VPM (NAT Address via Motorola Firewall)	UDP 40000 – 40255 (Uni-Directional VPM to Recorder)	Audio forwarding from Motorola VPM

MOTOROLA AIS DATA ELEMENTS

Eventide Data Field Name	Data Element
CallerID	Radio Alias and Radio ID
Calltype	Displays Radio
DTMF	Motorola System Talk Group Alias and Talk Group ID
Site	Radio system Site ID
Zone	Radio system Zone ID
Annotations	Emergency Activation information
OTA Encryption	Encryption Status

Customer Enterprise Network (CEN)

Eth0 CEN IP
xxx.xxx.xxx.xxx

CEN IP xxx.xxx.xxx.xxx

Eventide NexLog 740 DX

P25 Decoder
May be network (pictured)
or internal

Eth2 DMZ IP 192.168.2.84
RNI NAT IP 10.1.1.70

Port 4 DMZ IP 192.168.2.111

Motorola
Control Room
Firewall

Firewall NAT routing configuraiton:
Recorder to AIS: UDP Source Port 60000
AIS to Recorder: UDP Source Port 60000
VPM to Recorder: UDP Source Port 40000 to 40256

Port 1 RNI IP 10.1.1.141

Motorola Radio Network Infrastructure (RNI)

RNI IP 10.1.1.61
DMZ NAT IP 192.168.2.82

RNI IP 10.1.1.148
DMZ NAT IP 192.168.2.83

Voice Processing Module (VPM)

Archive Information
Server (AIS)

IP Addresses are listed as an example configuration.
Actual IP addresses to be assigned by network administrators.
RNI subnet may be console site dependent.