

North Carolina 911 Board

PSAP Name: Dunn Police Department Date: 5/6/2014  
 Contact Name: Charles B. Callahan Contact Phone: 910-814-7275  
 Contact Address: 401 E. Broad St.  
 City: Dunn  
 Zip: 28334  
 Contact Email: ccallahan@dunn-nc.org

**Instructions: All requests for review of PSAP Distribution amount must use this form with each request. Please do not change block descriptors, formulas or formatting. \*\*\*PLEASE SEE INSTRUCTIONS tab for further details\*\*\***  
**All requests must be filed with the NC 911 Board no later than February 28, 2014. Email this form and all supporting documentation to marsha.tapler@nc.gov. If you have questions regarding this form or filing a request, please call Marsha Tapler at 919-754-6344 or email at marsha.tapler@nc.gov.**

June 30, 2013 Emergency Telephone System Fund Balance: 240,042

	FY2013 (2012-2013) <b>ACTUAL</b> Expenditures from Reconciled Report	FY2015 (2014-2015) Requested Increase Amount <b>ONE-TIME Capital Purchase Cost</b>	FY2015 (2014-2015) Requested Increase Amount <b>Recurring MONTHLY Cost</b>	FY2015 (2014-2015) Requested Increase Amount <b>Recurring ANNUAL Cost</b>
<b>Expenditure</b>				
<b>Phone Systems</b>				
Recurring 911 service supplier charges for 911 trunks/circuits	37,352.84			
Basic line rate for one ten digit number per telecommunicator	4,374.70			
Interpretive Services	1,100.84			
Recurring 911 service supplier selective routing and ANI/ALI provisioning charges				
Automatic Call Distribution Service or software				
Telephone equipment, including CPE, workstations, monitors, keyboards, mice, headsets	26,710.46			
TDD/TTY				
<b>Phone System Totals</b>	<b>\$69,538.84</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Furniture</b>				
Cabinets, tables, desks which hold 911 equipment				
<b>Software</b>				
CAD	8,509.00			
GIS	16,582.00			

Message switch software (allows for voiceless dispatch, status updates and mobile to CAD messaging. (Some message switch software included may not be eligible: (RMS, Firehouse, access to NCIC, DCI, warrants, JMS etc.)				
Voice Logging Recorder	8,500.00	147,119.00		
Management Information System (MIS) Software for 911				
Time Synchronization				
Dispatch Protocols				
Quality Assurance for Protocols				
ALI Database Software				
Software Licensing				
Radio console software used in the 911 process				
Paging software to send call from CAD to first responder pager or mobile phone	772.00			
CAD to CAD interface software				
<b>Software Totals</b>	<b>\$34,363.00</b>	<b>\$147,119.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Hardware**

Servers**	10,629.02			
Computer workstations**	2,333.01			
Time synchronization devices				
UPS				
Generator				
Handheld GPS**				
<b>Hardware Totals</b>	<b>\$12,962.03</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Eligible dispatch equipment** -- must meet the requirements of SL 2010-158, as codified in GS 62A-46(c)

Radio Network Switching**	11,433.26	271,379.00		
Radio Console Ethernet Switch				
Radio Console Access Router				
Back Up Storage Equipment for Mobile Message Switch				
Paging Interface with Computer Alpha / Numeric Pager Tone Generator				
Radio Console (portable or mobile radio configured for exclusive use at the dispatcher work station for dispatcher operation to perform dispatch function when there is no traditional console installed at the workstation)				
<b>Dispatch Equip Totals</b>	<b>\$11,433.26</b>	<b>\$271,379.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Training**

Individual class registration				\$0.00
In State Travel & per diem	\$0.00		\$0.00	
*Out of State Travel & per diem (Prior approval required)				
<b>Training Totals</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**HOSTING SERVICES**

PSAPs may desire to replace or substitute eligible equipment, computer hardware, software or similar eligible 911 expense items by contracting for hosting equipment or software. Hosting service expenses may be eligible for 911 Funding upon review and approval by the 911 Board, or by Staff if so delegated by the Board.		\$22,426.00	\$18,159.00	\$0.00
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**Functions**

Database Provisioning				
Addressing				
Equipment Maintenance				
Software Maintenance				
<b>Function Totals</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

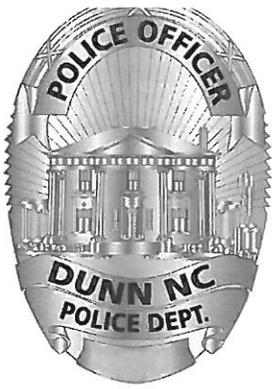
<b>Grand Totals</b>	<b>\$128,297.13</b>	<b>\$440,924.00</b>	<b>\$217,908.00</b>	<b>\$0.00</b>
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	FY2013 (2012-2013) <b>ACTUAL</b> Expenditures from Reconciled Report	FY2015 (2014-2015) Requested Increase Amount <b>ONE-TIME</b> Capital Purchase Cost	FY2015 (2014-2015) Requested Increase Amount <b>Recurring</b> <b>MONTHLY</b> Cost	FY2015 (2014-2015) Requested Increase Amount <b>Recurring</b> <b>ANNUAL</b> Cost
<b>Grand Totals</b>	<b>\$128,297.13</b>	<b>\$440,924.00</b>	<b>\$217,908.00</b>	<b>\$0.00</b>

<b>Proposed</b> FY15 Funding	<b>\$161,481.00</b>
One Time Capital Purchase Cost	<b>\$440,924.00</b>
Recurring MONTHLY Cost	<b>\$217,908.00</b>
Recurring ANNUAL Cost	<b>\$0.00</b>

**Reconsidered FY15 Funding** **\$820,313.00**      407.99% Increase over proposed

Maximum 20% Carry Forward	\$32,998
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## City of Dunn Police Department

January 23, 2014

Marsha Tapler, Financial Analyst  
North Carolina 911 Board  
PO Box 17209  
Raleigh, NC 27619-7209

Dear Marsha,

Our current digital call recorder was purchased in 2003 and upgraded in May, 2009. With the transition to the State of North Carolina Viper Radio system I find it necessary to request funding for a new recorder. I have attached a quoted cost of \$110,849.92 to replace the unit. Additional cost is the purchase of an Archive Interface Server from Motorola in the amount of \$36,269.50. The Archive Interface Server is proprietary to the Motorola Radio system. Total requested funding is \$147,119.42. The cost of the recorder increased significantly due to two factors, Motorola license fees and the AIS unit. Additional funding is necessary to purchase the unit.

Since we will no longer have the ability to capture audio on site we are required to capture audio utilizing IP audio streams that are recorded and archived by the AIS unit. Recordings are available for replay, research, incident reconstruction, burn to CD, and export. The quoted recorder can also record IP dispatch consoles, VoIP, digital or analog telephones, other radio sources, and PC screen video. We will be able to choose what talk-groups we need to record. This is a major upgrade and prepares us for the next generation of recording and 911 system.

An alternate choice is to install control stations for each frequency of the closest tower which would allow recording of the talk-group selected. But if a unit traveled outside the range of that tower and transmitted the audio would not be recorded. Another choice is to install control stations for all talk-groups you want to record. If I wanted to record ten (10) talk-groups you need ten (10) radios, each talk-group recorded equals to more radios needed. Obviously, outside antennas are required for the radios. Each radio will need to be purchased, installed and maintained. The ideal situation is IP recording.

I believe it is not in our best interest to upgrade our current recorder as the unit has already been upgraded once and does not possess the capability of meeting our needs in the very near future. All 911 Centers are required to capture audio from radio and telephone sources. These recordings are made public when requested and used internally for investigations and training. The new recorder will provide us with additional capability that we currently do not possess.

Respectfully,

Charles Callahan, Communications Director  
City of Dunn Police Department

# Eventide®

# NexLog™

Next Generation  
Communications Logging Recorders

Mission-Critical Call Recording

P25 Radio • NG 9-1-1 • IP Dispatch • VoIP



Incident Management • Web-Based Replay

Quality Assurance • Reporting • Screen Capture

SIP • Digital • Analog • T1/E1 • LMR • RoIP • ATC

# Eventide®

# NexLog™

## Next Generation Communications Logging Recorders

Eventide **NexLog** IP-based communications logging systems help you securely document and retrieve incidents, comply with regulations, and improve your facility's operations by reliably *capturing, storing, protecting, and managing* important interactions and critical data.

The **NexLog** suite of products includes:

- **Communications Logging:** Linux-hardened recording platforms with multiple levels of redundancy.
- **Replay and Incident Management:** Intuitive search and replay tools that help you find and export recordings faster than ever before.
- **Instant Recall:** Desktop software to help call takers or dispatchers confirm what they heard or didn't quite hear.
- **Quality Factor:** Software to help you score call-handling performance and identify training needs.
- **Screen Capture:** Documents your agents' actions and skill levels when using call taking and dispatch tools.

*Public safety, government, institutional and industrial customers at thousands of sites worldwide trust Eventide mission-critical logging systems to reliably record and protect their most important interactions and related data.*

### System Features

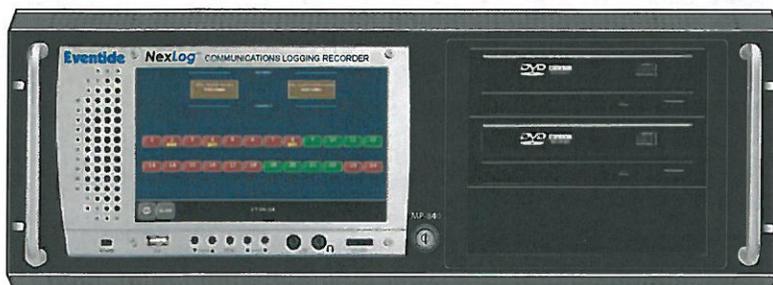
- High-reliability network-ready logging system with embedded Linux OS and SQL database
- P25 trunked & conventional radio recording
- NG9-1-1 (i3) recording and logging support
- Call evaluation & reporting software
- Recording of desktop PC screen activity
- Up to 1 million hours of on-line audio storage
- Multi-tier security, auto-expiring passwords
- Full-time recording for compliance
- Records digital, VoIP, analog, T1/E1/ISDN, SIP
- Records NG9-1-1 via SIP-invite or SIPrec
- Records IP-dispatch consoles, RoIP systems
- Records trunked & conventional 2-way radio
- Captures DNIS, CLID from your switch
- 9-1-1 ANI/ALI and SMDR/CDR integrations
- Archive to DVD-RAM, HDD, or USB drives
- Network archive to multiple/redundant NAS
- Central archive to another **NexLog** recorder
- Live-monitoring of multiple channels
- Redundant power supplies and disk drives
- Web-based configuration manager software
- LCD color touch screen option for full control, incident replay, monitoring and configuration



## NexLog 740

### Communications Logging Recorder

- 3U platform • Redundant power • Redundant HDDs
  - 8 - 96 Analog channels • 8 - 96 Digital PBX channels
  - 24 - 192 T1/PRI channels • 30 - 240 E1 channels
  - 8 - 240 VoIP channels • 8 - 240 NG9-1-1 SIP channels
  - 8 - 240 P25 Radio channels
- (Shown with optional color LCD touch screen)



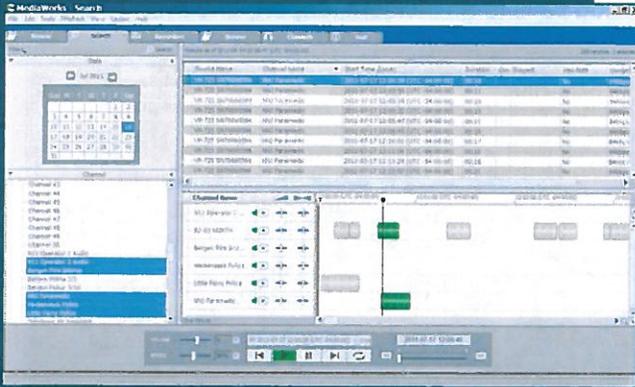
## NexLog 840

### Communications Logging Recorder

- 4U platform • Redundant power • Redundant HDDs
  - 8 - 240 Analog channels • 8 - 240 Digital PBX channels
  - 24 - 240 T1/PRI channels • 30 - 240 E1 channels
  - 8 - 240 VoIP channels • 8 - 240 NG9-1-1 SIP channels
  - 8 - 240 P25 Radio channels
- (Shown with optional color LCD touch screen)

## Incident Replay and Management

Eventide **MediaWorks™** browser-based or client software provides enhanced recording management capabilities including flexible search, multiple-call replay, graphical

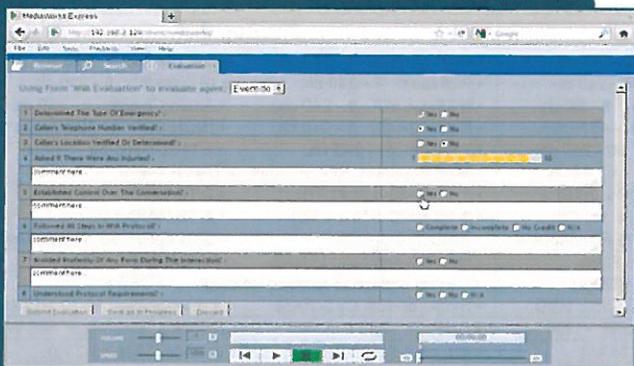


timeline with pan/zoom, variable-speed replay, drag & drop into incident tabs, redaction, protection, burn calls or incidents to CD, export or email incident, live monitor, and instant recall.

**MediaAgent™** software provides agents, call takers, and dispatchers with preset-based instant recall, variable speed replay, record on demand, text annotation, and export to WAV.

## Call Evaluation & Reporting

Eventide's **Quality Factor™** software option allows supervisors to efficiently evaluate call handling for key attributes such as fact finding, situational control, empathy and accuracy.



Evaluation questions and forms can be quickly adapted for special incidents, changing protocols, and new requirements. **Quality Factor** reports help supervisors measure call handling quality and performance trends by individual, by group, or by entire center.

## Next Generation 9-1-1

### NG9-1-1 Recording

**NexLog** communications logging systems have been designed to comply with the NENA i3 standard for recording of NG9-1-1 primary interactions via "SIP-Invite" and SIPrec. The resulting recordings are immediately available for replay, instant recall, research, incident management, burn-to-CD, email, and export.

### NG9-1-1 Logging

**NexLog** logging systems support a standards-based NG9-1-1 event logging web-service that allows other NG9-1-1 functional elements (sub-systems) to deposit and retrieve data such as call routing logs and geo-location. This web-service interface also permits other NG9-1-1 sub-systems or applications to retrieve an incident's recorded media via RTSP.

## NexLog Screen Recording

**NexLog** screen recording helps document the call-handling and dispatching actions that occur during an incident, by capturing the PC user's screen activity. Screen recording also helps supervisors evaluate competency with important call taking and dispatching software. Desktop PCs with 1 to 4 screens are supported.

## System Resilience and Redundancy

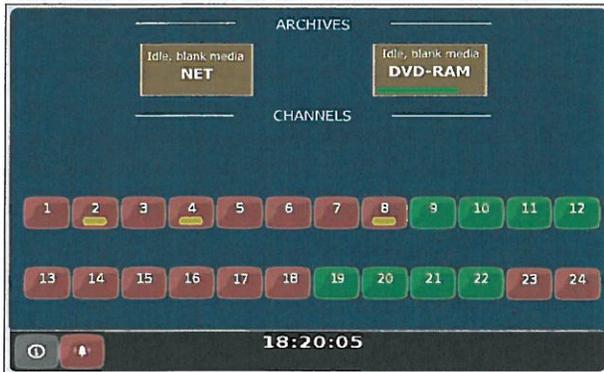
**NexLog** communications loggers offer multiple levels of resilience, including redundant power supplies, redundant disk drives with choice of RAID level 1, 5, or 10, multiple archive redundancy choices, and geo-diverse network archiving.

**NexLog** loggers are available in fully-redundant pairs that provide parallel recording of mission-critical communications for 9-1-1, Dispatch, Air Traffic Control, and other applications.



## Color LCD Touch Screen Option

The available color touch screen provides convenient control and replay from the front panel. You can view channel status, archives and alerts, live monitor channels, and configure the system. Playback functions include search and replay, protect calls, create incidents, add calls to an incident, export, and burn to CD.



Info mode: Status of channels, archives and alerts; Live Monitor



Replay mode: Search, playback, build incidents, export, burn to CD

## Technical Specifications - NexLog Communications Logging Recorders

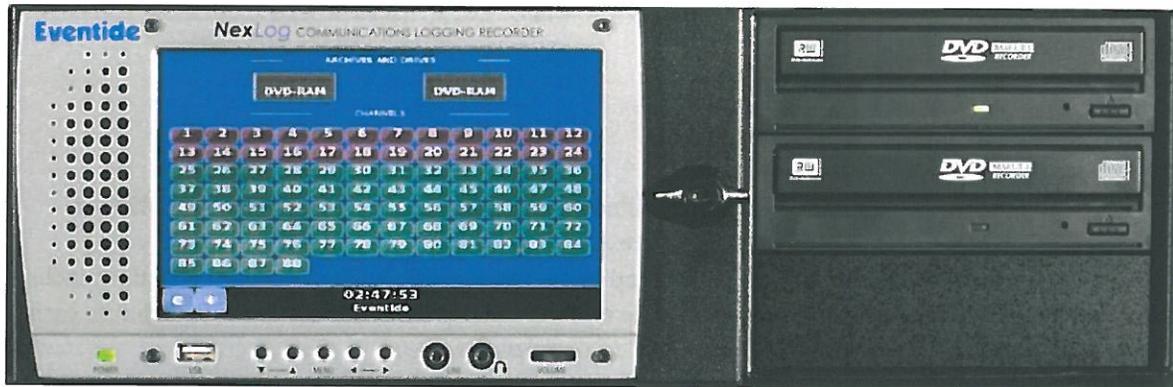
<b>System platform</b>	▪ Non-proprietary turnkey recording and logging appliance ▪ Embedded Linux operating system ▪ Relational SQL database	
<b>Hardware base</b>	▪ Industrial motherboard or System Host Board with Intel Core2 Quad CPU ▪ Industrial-grade rack-mount chassis	
<b>Security</b>	▪ User access by role and channels (or talk groups) ▪ Programmable password expiration ▪ User access and actions audited	
<b>Local system control</b>	▪ Control via optional 7" color LCD touch screen on front panel ▪ Control via keyboard, display, and mouse	
<b>Front panel audio controls</b>	▪ Volume control ▪ Headset jack ▪ Line out (re-record) jack ▪ Built-in amplified speaker	
<b>Configuration utility</b>	▪ Web-based Configuration Manager software for complete system management	
<b>Compression (analog/digital)</b>	▪ 13kbs GSM ▪ 16kbs ADPCM ▪ 32kbs ADPCM ▪ 64kbs PCM	
<b>Audio characteristics</b>	▪ Frequency response: 200 Hz to 3400 Hz ▪ Signal/Noise: >50dB ▪ Crosstalk: -60dB ▪ AGC: programmable	
<b>Record activation</b>	▪ VOX ▪ Off-hook ▪ Continuous ▪ Scheduled ▪ On-demand ▪ Optional contact closure detection	
<b>Network</b>	▪ Dual Ethernet 10/100/1000Mbps ▪ TCP/IP protocol ▪ Dual NIC binding supported ▪ SPAN capture on dedicated NIC	
<b>Time synchronization</b>	▪ Network time protocol (NTP) ▪ RS-232 ▪ Optional IRIG-B card	
<b>Analog interface</b>	▪ High-impedance (10kOhm) ▪ Beep tone ▪ Tip/Ring DCV detection ▪ Detects DTMF, MF, CLI, MDC1200 (optional)	
<b>Digital PBX telephone interface</b>	▪ Passive recording for a wide range of popular digital PBX telephones	
<b>T1/E1/ISDN interfaces</b>	▪ High-impedance passive recording ▪ T1 ▪ T1/ISDN-PRI ▪ E1 ▪ E1/ISDN30 ▪ ISDN2 trunks	
<b>VoIP recording interface</b>	▪ Passive recording via port mirroring of a wide range of VoIP PBX telephones and SIP trunks ▪ Cisco Built-in/bridge recording	
<b>IP Dispatch and RoIP interface</b>	▪ Recording of unicast or multicast RTP audio ▪ IP-dispatch console systems ▪ RoIP interoperability systems	
<b>P25 system interfaces</b>	▪ Motorola ASTRO 25 recording via licensed AIS interface ▪ EF Johnson ATLAS 25 via privileged interface ▪ P25 phase 1 & 2	
<b>Next Generation 9-1-1 interface</b>	▪ NG9-1-1 Primary Interaction recording via SIP-invite or SIPrec ▪ NG9-1-1 data logging web service	
	<b>NexLog 740</b>	<b>NexLog 840</b>
<b>Channel capacities</b>	<ul style="list-style-type: none"> <li>▪ VoIP phones: 8 - 240 ch.</li> <li>▪ P25 radio: 8 - 240 ch.</li> <li>▪ NG9-1-1 SIP: 8 - 240 ch.</li> <li>▪ Digital 2-wire: 8 - 96 ch.</li> <li>▪ T1/ PRI: 24 - 192 ch.</li> <li>▪ Mitel Superset, ROLMphone, or Digital 4-wire: 4 - 48 ch.</li> <li>▪ SIP trunks: 8 - 240 ch.</li> <li>▪ IP dispatch: 8 - 240 ch.</li> <li>▪ Analog 2-wire: 8 - 96 ch.</li> <li>▪ ISDN-BRI: 4 - 48 trunks</li> <li>▪ E1/ISDN30: 30 - 240 ch.</li> </ul>	<ul style="list-style-type: none"> <li>▪ VoIP phones: 8 - 240 ch.</li> <li>▪ P25 radio: 8 - 240 ch.</li> <li>▪ NG9-1-1 SIP: 8 - 240 ch.</li> <li>▪ Digital 2-wire: 8 - 240 ch.</li> <li>▪ T1/ PRI: 24 - 240 ch.</li> <li>▪ Mitel Superset, ROLMphone, or Digital 4-wire: 4 - 120 ch.</li> <li>▪ SIP trunks: 8 - 240 ch.</li> <li>▪ IP dispatch: 8 - 240 ch.</li> <li>▪ Analog 2-wire: 8 - 240 ch.</li> <li>▪ ISDN-BRI: 4 - 120 trunks</li> <li>▪ E1/ISDN30: 30 - 240 ch.</li> </ul>
<b>Hard disk drive array options</b>	<ul style="list-style-type: none"> <li>▪ 1 TB RAID-1 [2 x 1 TB]</li> <li>▪ 3 TB RAID-5 [4 x 1 TB]</li> <li>▪ RAID 1+0 options</li> </ul>	<ul style="list-style-type: none"> <li>▪ 2 TB RAID-1 [2 x 2 TB]</li> <li>▪ 6 TB RAID-5 [4 x 2 TB]</li> <li>▪ SAN option via FC-interface</li> <li>▪ 1 TB RAID-1 [2 x 1 TB]</li> <li>▪ 3 TB RAID-5 [4 x 1 TB]</li> <li>▪ RAID 1+0 options</li> </ul>
<b>Archive options</b>	<ul style="list-style-type: none"> <li>▪ Network archiving to NAS</li> <li>▪ Central archive to another NexLog</li> <li>▪ Single or dual DVD-RAM</li> </ul>	<ul style="list-style-type: none"> <li>▪ Archive to USB Flash</li> <li>▪ USB HDD(s)</li> <li>▪ Removable 500GB HDD</li> <li>▪ Network archiving to NAS</li> <li>▪ Central archive to another NexLog</li> <li>▪ Single or dual DVD-RAM</li> <li>▪ Archive to USB Flash</li> <li>▪ USB HDD(s)</li> <li>▪ Removable 500GB HDD(s)</li> </ul>
<b>Power supplies</b>	▪ Dual hot-swap supplies ▪ 100-240 VAC, 50/60Hz ▪ 350 W	
<b>Form factor, Physical</b>	<ul style="list-style-type: none"> <li>▪ 3U, rack-mountable ▪ 50 to 80 pounds (23 to 34 kg)</li> <li>▪ 5.25"H [134mm] x 19"W [482mm] x 24"D [610mm]</li> </ul>	
<b>Environmental requirements</b>	▪ Temperature (operating): +5C (41F) to 40C (104F) ▪ Humidity (operating): 10-80%RH, non-condensing	

© 2012 Eventide Inc. Specifications and features subject to change without notice.

Check with Eventide for hybrid (mixed-type) channel capacities, and for pre-sales review of digital telephone, VoIP telephone, and VoIP codec compatibility.



# Eventide®



## NexLog 740 Features

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

Eventide NexLog communications logging systems offer outstanding flexibility and ease of use, with a choice of advanced capability remote software or convenient touch-screen front panel operation. Call records are stored in a state-of-the-art SQL relational database, and NexLog logging systems feature an embedded Linux operating system for maximum reliability and compatibility with your existing Windows infrastructure.

### NG9-1-1 Capabilities

NexLog communications logging systems have been designed to comply with the NENA standard for recording of NG9-1-1 primary interactions via the "SIP-Invite" method. The resulting recordings are immediately available for replay, instant recall, forensic research, incident management, burn-to-CD, email, and export. NexLog logging systems also support a standards-compliant NG9-1-1 event logging web service that allows other NG9-1-1 subsystems (functional elements) to deposit and retrieve data such as call routing logs and geo-location. This web-service interface also permits other systems to receive an incident's recorded media via RTSP.

### Resilience Features

Eventide NexLog communications loggers offer multiple levels of resilience, including redundant power supplies, redundant hard disk drives (choices of RAID levels 1, 5, or 1+0) or SAN connectivity,

redundant network capability (via NIC bonding), and multiple choices for archive redundancy and network-based archive storage. The NexLog 740 logger is equipped with dual hot-swap load-sharing 120/240 VAC power supplies. Optional dual hot-swap load-sharing -48 VDC power supplies are also available, or you can combine a 120/240 VAC power supply with a -48 VDC supply for source-diverse power redundancy.

## Security Features

NexLog Communications Logging Recorders include a multi-tier security system that controls user access based on role and channel assignments. NexLog has been designed to enhance security by encouraging users to employ strong passwords and to use them properly. Password policy options include complexity enforcement, automatic aging, change reminders, expiration, and lock-out. In addition, each user's access and actions are audited and available for review.

## Recording Capabilities

NexLog Communications Logging Recorders have been designed to provide full-time recording for compliance needs, as well as distributed recording for enterprises with multiple sites. NexLog loggers passively record digital PBX telephones, VoIP telephones, analog telephones, analog C.O. lines, analog radio audio, T1 & E1 trunks, ISDN-PRI trunks, ISDN30 trunks, SIP trunks, IP-dispatch consoles (AVTEC, Telex, Zetron, and others), Radio over IP (RoIP), trunked and conventional 2-way radio, EFJ P25 radio, Windows PC Screens, and more.

## Channel Capacities

The NexLog 740 logger is field upgradeable from 8 to 96 digital, 8 to 96 analog channels, 8 to 96+ VoIP channels, 8 - 96 NG9-1-1 "SIP-Invite" channels, 24 - 192 T1/PRI channels, or 30 -240 E1 channels. A wide range of mixed channel quantities (digital, analog, VoIP/RoIP, etc.) can be supported within a single NexLog 740 logger. Multiple NexLog Communications Logging Recorders may be easily combined to provide recording solutions for higher channel counts and/or multiple sites.

## Metadata Integration Capabilities

In addition to recording audio and screen media, NexLog Communications Logging Recorders support integration to a variety of metadata sources that provide call-associated information. Options include 9-1-1 ANI/ALI integration, SMDR/CDR integration to PBX systems, IP Dispatch console metadata integration, EF Johnson IP25 metadata integration, and customized data integration. In addition, the NexLog SOAP-server interface allows third party developers to develop custom integrations for recording control and/or metadata tagging.

## Internal Storage Array Options

NexLog Communications Recording Loggers include a standard pair of 1 Terabyte hard disk drives with RAID-1 mirroring (providing 166,000 hours @13kbps compression). Storage array upgrade options include larger RAID1 (333,000 hours @13kbps), RAID1+0 (333,000 or 666,000 hours@13kbps), and RAID5 (500,000 or 1 Million hours@13kbps). For special applications, Eventide also offers a Fibre-Channel adapter for running and storing via a third-party Storage Area Network (SAN).

## Archive Capabilities

NexLog 740 Communications Recording Loggers include a DVD-RAM drive (9.4GB per cartridge, 1540 hours @13kbps) for automatic archiving. A second DVD-RAM drive and/or a removable 500GB hard drive can be added for redundant or sequential archiving. In addition, NexLog loggers can also archive to as many as six external USB hard disk drives or USB flash devices. For geo-diverse redundancy of network-archive storage, NexLog loggers can archive to as many as six Network Attached Storage (NAS) shares. Multiple NexLog loggers can archive to a central NexLog unit, which provides a centralized database and storage for calls that have been recorded at multiple sites.

## Incident Replay and Management Features

Eventide MediaWorks software provides enhanced recording management capabilities including flexible search, multiple-call replay via graphical time-line with pan/zoom, variable-speed replay, drag & drop into incident tabs, redaction, protection, burn calls or incident to CD, export or email incident, live monitor and instant recall.

## Instant Recall Features

Eventide MediaAgent software provides agents, call takers, and dispatchers with preset-based instant recall, variable-speed replay, record-on demand, text annotation, and export to WAV file.

## Color LCD Touch Screen

The available color touch screen provides convenient control and replay at the logger's front panel. You can view the current status of each channel and each archive, receive visual and audible alerts, live-monitor multiple channels, and fully administer the system using the NexLog Configuration Manager software. Playback functions available at the touch screen include quick replay, advanced search and replay, select calls to be protected, create incidents from groups of calls, add more calls to an existing incident, and export an incident to USB - or burn the incident to CD.

## Web-based NexLog Configuration Manager Software

NexLog communications loggers include the NexLog Configuration Manager software, which permits secure browser-based access to system configuration parameters. NexLog Configuration Manager software also allows the administration of password policies and assignment of each user's system access permissions.

## Call Evaluation and Reporting

An optional call evaluation module (scheduled for availability in NexLog software version 2.1) allows supervisors to efficiently evaluate call-handling quality. Evaluation questions, answer banks, and skills can all be quickly entered and maintained, and the call evaluation forms can be created through a simple drag and drop process. The evaluation questions and forms can be quickly adapted for special incidents and changing requirements. NexLog call evaluation reports are designed to help supervisors measure the quality of call handling and track performance.

## Enhanced Logger Reports

NexLog communications logging 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.

## Designed, Built, and Supported in the USA

NexLog communications logging software applications are created and maintained exclusively in the USA by Eventide's team of highly-talented software developers, assuring prompt response to changing market needs. In addition, all NexLog loggers are assembled, tested, and supported at our New Jersey USA production & support facility.

## Technical Application Note

### IP Call Recording for Motorola ASTRO 25 with MCC7500 and AIS

Eventide **NexLog** IP-based communications logging recorders support archival audio recording for Motorola ASTRO 25 radio systems that use MCC7500 consoles. IP audio streams are reliably captured from a Motorola Archive Interface Server (AIS), recorded, and archived. Recordings are available for replay, research, incident reconstruction, burn to CD, and export. The same NexLog communications logging system can also record IP dispatch consoles, VoIP, digital or analog telephones, other radio sources, and PC screen video.

#### Applicable Eventide models:

- **NexLog 740** logging recorder
- **NexLog 840** logging recorder

#### Audio capture method:

- Recording of IP audio from the AIS for P25 Trunked, P25 Conventional, and Analog Conventional calls.

#### Decryption support:

- Decryption service is provided by AIS

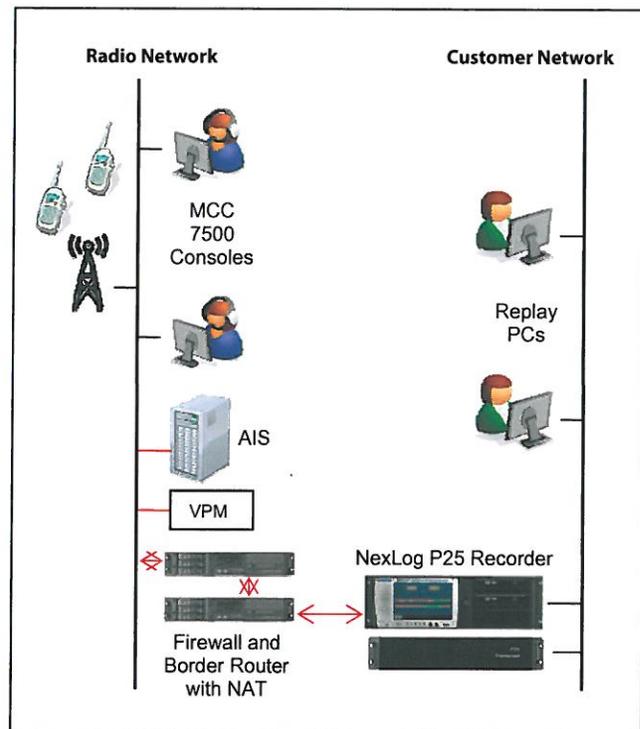
#### Metadata search parameters:

- Radio ID, TalkGroup ID
- Date, Time
- More

#### Eventide Inc.

One Alsan Way, Little Ferry, NJ 07643 USA  
Tel: +201.641.1200 Fax: +201.641.1640  
[www.eventide.com](http://www.eventide.com)

### Motorola AIS Recording Connectivity



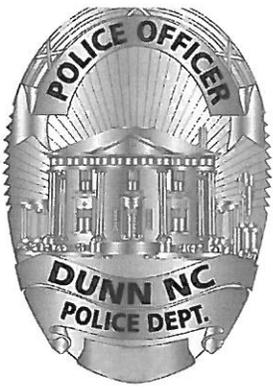
### NexLog

#### Communications Logging Recorders



Specifications and features are subject to change without notice.

Eventide is a registered trademark. NexLog is a trademark of Eventide Inc. All other trademarks are the property of their respective owners. ©2012 Eventide Inc. All rights reserved.



## City of Dunn Police Department

January 13, 2014

Marsha Tapler, Financial Analyst  
North Carolina 911 Board  
PO Box 17209  
Raleigh, NC 27619-7209

Dear Marsha,

The City of Dunn and Harnett County jointly operates an E.F. Johnson 800MHz Radio System that needs replacing. In conjunction with County we have decided to transition to the State Viper system. Therefore, additional funding is requested to purchase three (3) radio consoles.

Our radio system and console is approximately twenty (20) years old and has out lived its life expectancy. Our radio technician has informed us if a Console PC failed we would be unable to replace or repair the unit causing major operational issues. Many other components of the infrastructure are irreplaceable as well which leads to overall radio failure.

The purchase of the radio consoles will allow the Dunn Police Department the ability to communicate statewide with any other state, city, or county user of the system which is instrumental in the delivery of emergency 911 services especially during catastrophic emergency situations that requires a multiagency response. We must be able to communicate locally and with other jurisdictions to effectively perform our duty and protect the health and safety of our citizens.

The time frame for the project has now been finalized as the State indicates all Viper sites should be P25 compliant by July, 2014. We do have funding for mobiles and portables in place. We will need to place an order with Motorola very soon to meet the July 2014 deadline.

Motorola has provided a quote for the purchase of three (3) radio consoles and is considered proprietary as Motorola is the only provider that allows "direct connect" to the state radio system. I have attached the necessary quotes and equipment lists for your review.

Total cost of the project is \$271,379.00. I have approximately \$200,000.00 of 911 funding than can be used along with approved State funding. However, I will be asking for additional funding for a digital voice recorder that utilizes IP recording and a new 911 system. Please advise how to best utilize my fund balance for these projects.

Thank you for your consideration. Please feel free to contact me if additional information is needed.

Respectfully,

Charles Callahan, Communications Director  
City of Dunn Police Department

# SECTION 1

# STATEMENT OF WORK

CONSOLE UPGRADE

SEPTEMBER 18, 2013



The design, technical, and cost information furnished with this proposal is proprietary information of Motorola Solutions, Inc. (Motorola). Such information is submitted with the restriction that it is to be used only for the evaluation of the proposal, and is not to be disclosed publicly or in any manner to anyone other than those required to evaluate the proposal, without the express written permission of Motorola Solutions, Inc.

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# STATEMENT OF WORK

Motorola is proposing to the City of Dunn Police Department the installation and configuration of the following equipment at the specified locations.

Site Name	Major Equipment
City of Dunn 911 EOC	MCC 7500 Console equipment with CSC and CCGWs. Three console operator positions.

The document delineates the general responsibilities between Motorola and the City of Dunn Police Department as agreed to by contract.

## 1.1 MOTOROLA RESPONSIBILITIES

Motorola's general responsibilities include the following:

- Perform the installation of the Motorola supplied equipment described above.
- Schedule the implementation in agreement with the City of Dunn Police Department.
- Coordinate the activities of all Motorola subcontractors under this contract.
- Administer safe work procedures for installation.
- Provide City of Dunn Police Department with the appropriate system interconnect specifications.

## 1.2 CITY OF DUNN POLICE DEPARTMENT RESPONSIBILITIES

City of Dunn will assume responsibility for the installation and performance of all other equipment and work necessary for completion of this project that is not provided by Motorola. The City of Dunn's Police Department general responsibilities include the following:

- Provide all buildings, equipment shelters, and towers required for system installation
- Insure communications sites meet space, grounding, power, and connectivity requirements for the installation of all equipment.
- Obtain all licensing, site access, or permitting required for project implementation.
- Obtain frequencies for project as required.
- Provide required system interconnections to VIPER P25 Master Site in Garner, NC. Motorola will assist City of Dunn Police Department with technical requirements and specifications for site links.
- Customer will provide a dedicated delivery point, such as a warehouse, for receipt, inventory and storage of equipment prior to delivery to the site(s).
- Coordinate the activities of all City of Dunn Police Department's vendors or other contractors.

## 1.3 ASSUMPTIONS

Motorola has based the system design on information gathered from meetings with the City of Dunn Police Department and an analysis of their existing system and requirements. All assumptions have been listed below for review. Should Motorola's assumptions be deemed incorrect or not agreeable to the City of Dunn Police Department, a revised proposal with the necessary changes and adjusted costs will be required. Changes to the equipment or scope of the project after contract will require a change order.

- All existing sites or equipment locations will have sufficient space available for the system described as required/specified by R56.
- All existing sites or equipment locations will have adequate electrical power in the proper phase and voltage and site grounding to support the requirements of the system described.
- All existing towers will have adequate space and size to support the antenna network requirements of the system described.
- Any site/location upgrades or modifications are the responsibility of the customer.
- Approved FCC licensing provided by the customer.
- Approved local, State or Federal permits as may be required for the installation and operation of the proposed equipment are the responsibility of the customer.
- Any and all required system interconnections not specifically outlined here will be provided by the Customer. These may include dedicated phone circuits, microwave links or other types of connectivity. The City of Dunn Police Department shall be responsible for acquiring connectivity to the P25 system Master Site and should work with the VIPER technical staff for these requirements.
- No coverage guarantee is included in this proposal.
- Motorola is not responsible for interference caused or received by the Motorola provided equipment except for interference that is directly caused by the Motorola provided transmitter(s) to the Motorola provided receiver(s). Should the Customer's system experience interference, Motorola can be contracted to investigate the source and recommend solutions to mitigate the issue.

**City of Dunn MCC7500 Console System**

ITEM NUM	QUANT	NOMENCLATURE	DESCRIPTION	FINAL DISCOUNTED PRICE
1	1	B1905	MCC 7500 ASTRO 25 SOFTWARE	\$200
2	3	B1933	MOTOROLA VOICE PROCESSOR MODULE	28608
a	3	CA01642AA	ADD: MCC 7500 BASIC CONSOLE FUNCTIO	28800
b	3	CA01643AA	ADD: MCC 7500 / MCC 7100 TRUNKING	12000
c	3	CA00147AF	ADD: MCC 7500 SECURE OPERATION	7800
d	3	CA00143AC	ADD: DES-OFB ALGORITHM	1800
e	3	CA00182AB	ADD: AES ALGORITHM	1800
f	3	CA00245AA	ADD: ADP ALGORITHM	720
g	3	CA00140AA	ADD: AC LINE CORD, NORTH AMERICAN	0
3	3	DSE686772	ELO 1928L 19IN LCD TOUCH MONITOR, D	6358
4	3	TT2538	Z420 LOW TIER WORKSTATION WINDOWS 7	6120
5	3	T7449	WINDOWS SUPPLEMENTAL TRANS CONFIG	120
6	3	DSRMP615A	SPD, TYPE 3, 120V RACK MOUNT, 15A P	715
7	3	B1914	MCC SERIES DESKTOP GOOSENECK MICROP	600
8	6	B1913	MCC SERIES HEADSET JACK	960
9	3	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH	655
10	3	DDN1507	SYMANTEC EXP ENDPOINT PROTECT 12.1	180
11	3	DDN1245	DUAL IRR SW USB HASP WITH LICENSE (	6355
12	3	DDN1118	PCI EXPRESS SOUND BLASTER X-FI XTRE	406
13	3	CDN6673	CREATIVE LABS INSPIRE A60	110
14	1	CLN1856	2620-24 ETHERNET SWITCH	1800
15	1	SQM01SUM0205	GGM 8000 GATEWAY	3360
a	1	CA01616AA	ADD: AC POWER	0
b	1	CA01618AA	ADD: CONV CHAN GATEWAY	1600
16	1	F4543	SITE MANAGER BASIC	1484
a	1	VA00222	SDM3000 MCC 7500 AUX IO F/W FOR A7.	140
b	1	V266	ADD: 90VAC TO 260VAC PS TO SM	96
c	3	V592	AAD TERM BLCK & CONN WI	216
17	1	T7038	GCP 8000 SITE CONTROLLER	2400
a	1	CA00303AA	ADD: QTY (1) SITE CONTROLLER	4000
b	1	X153AW	ADD: RACK MOUNT HARDWARE	40
c	1	CA01136AA	ADD: MCC 7500 CONVEN SITE OPER	3200
18	3	SQM01SUM0205	GGM 8000 GATEWAY	10080
a	3	CA01616AA	ADD: AC POWER	0
b	3	CA01618AA	ADD: CONV CHAN GATEWAY	4800
19	2	TRN7343	SEVEN AND A HALF FOOT RACK	792
20	2	DSOP820B	PDU, 120V HARDWIRE (8) 20A OUTLET P	1584
21	2	DS1101378	RACK MT ADAPTER PLATE, 19 IN FOR DS	88
22	1	DSTSJ100BT	SPD, RJ-48 8 PIN, 10/100 BASE T TSJ	123

ITEM				FINAL DISCOUNTED
NUM	QUANT	NOMENCLATURE	DESCRIPTION	PRICE
23	1	DSTSJADP	RACK MOUNT GROUND BAR, 19 IN FOR TS	70
24	1	B1914	MCC SERIES DESKTOP GOOSENECK MICROP	200
25	1	B1913	MCC SERIES HEADSET JACK	160
26	1	TT2538	Z420 LOW TIER WORKSTATION WINDOWS 7	2040
27	1	B1934	MCC 7500 VOICE PROCESSOR MODULE FRU	9464
a	1	CA00147AF	ADD: MCC 7500 SECURE OPERATION	2600
b	1	CA00143AC	ADD: DES-OFB ALGORITHM	600
c	1	CA00182AB	ADD: AES ALGORITHM	600
d	1	CA00245AA	ADD: ADP ALGORITHM	240
28	1	CLN1856	2620-24 ETHERNET SWITCH	1800
29	1	SQM01SUM0200	MASTER SITE UPGRADE MODEL	0
a	1	CA00996AJ	ADD: NM/ZC LICENSE KEY 7.11	800
b	1	CA00997AJ	ADD: UCS LICENSE KEY 7.11	800
c	1	CA01225AB	MCC7500 / MCC7100 CONSOLE LICENSES	4000
<b>Final Discounted Price</b>				<b>\$163,484</b>

# PRICING

## 7.1 PRICING SUMMARY

**Motorola is pleased to provide the following equipment and services to the City of Dunn Police Department:**

Equipment	\$173,000.00
Installation, Program Management, Engineering, Optimization, Training, and Warranty	\$108,203.00
Shipping	\$ 176.00
Motorola New User Discount	\$ -10,000.00
<b>Total Investment</b>	<b>\$ 271,379.00</b>

**Pricing Valid through Dec 15,2013**

## 7.2 PAYMENT TERMS

Except for a payment that is due on the Effective Date, Customer will make payments to Motorola within twenty (20) days after the date of each invoice. Customer will make payments when due in the form of a check, cashier's check, or wire transfer drawn on a U.S. financial institution and in accordance with the following milestones.

1. 30% due upon contract execution;
2. 60% of the Contract Price upon shipment of equipment;
3. 5% of the Contract Price upon completion of installation;
3. 5% of the Contract Price upon final acceptance;

Motorola reserves the right to make partial shipments of equipment and to request payment upon shipment of such equipment. In addition, Motorola reserves the right to invoice for installations or civil work completed on a site-by-site basis, when applicable.



4800 Reagan Drive  
Charlotte, NC 28206  
Phone: 704-597-5220  
Fax: 704-597-7050

**Quote No:** Q15570  
**Date:** 01/09/2014  
**Prepared for:** KRISTI A/P  
**Prepared by:** BRUCE WILLIAMS  
**Terms:** NET UPON RECEIPT  
**Customer PO:**

Bill To:	Ship To:
Wireless Account No: 9108922345 CITY OF DUNN ATTN: ACCOUNTS PAYABLE P.O. BOX 1065 DUNN, NC 28335	CITY OF DUNN 401 E BROAD ST DUNN, NC 28334-5178

Part No	Description	Qty	Price Ea.	Extended
	<b>NEXLOG 740 RECORDER FOR AIS INTEGRATION WITH MOTOROLA MCC7500 CONSOLES</b>			<b>0.00</b>
NEXLOG740	NEXLOG 740 BASE SYSTEM: 3U RACK MOUNT, INTEL CORE2 QUAD CPU, DUAL NIC, EMBEDDED LINUX O/S, NEXLOG BASE SOFTWARE, WEB-BASED CONFIGURATION MANAGER, 1ST YR WARRANTY & 1ST YR BASE SOFTWARE UPDATE SUBSCRIPTION	1	5,996.25	5,996.25
105310	INCLUDED: 2 X 1TB FIXED-MOUNT SW RAID1 - 165,000 HOURS STORAGE	1	0.00	0.00
108233-000	INCLUDED: DUAL HOT-SWAP POWER SUPPLIES, 120/240VAC	1	0.00	0.00
105386	DUAL BLU-RAY WRITER DRIVES FOR BLU-RAY OR DVD-RAM	1	585.00	585.00
324430	RACK MOUNT SLIDES: 4 POST, 3U (FOR NEXLOG 740)	1	270.00	270.00
105301	FRONT PANEL: INTEGRATED 7" COLOR LCD TOUCH SCREEN DISPLAY	1	971.25	971.25
105284-016	16 CHANNEL ANALOG RADIO & TELEPHONE RECORD CARD W/16 CHANNEL LICENSE	1	3,000.00	3,000.00
109033-007	QUICK INSTALL KIT	1	225.00	225.00
271052	23' CABLE + "66" BLOCK	1	225.00	225.00
271052	INTERNAL IP RECORDER W/8 G.711 CHANNEL LICENSE	1	3,187.50	3,187.50
271035	ADD G.711 IP CHANNELS - 8 PACK	1	862.50	862.50
271083	MEDIAWORKS PLUS WEB LICENSE CONCURRENT 8 USERS	1	746.25	746.25
271008	MEDIA AGENT INSTANT RECALL CLIENT LICENSE 8 PC'S ACCESS	1	746.25	746.25
209029	NENA ANI/ALI CAD DATA SPILL OR SMDR INTEGRATION	1	2,621.25	2,621.25
271084	INTEGRATION TO P25 VIA CUSTOMERS ARCHIVE INFO SERVER (AIS)	1	6,746.25	6,746.25
271085	LICENSE FEE FOR MCC7500 SDK	1	48,750.00	48,750.00
115015	REMOTE INSTALLATION PREP FOR NEXLOG TO AIS	1	5,625.00	5,625.00
115016	LOCAL ASSISTANCE FOR NEXLOG TO AIS, 2 DAYS	1	4,875.00	4,875.00
1173-000	FOUR CONCURRENT REPLAY DECODER FOR P25/DMR/IDAS	1	7,500.00	7,500.00
SHIPPING	SHIPPING AND HANDLING	1	735.00	735.00
INSTALLRA	INSTALLATION-RALEIGH	1	7,500.00	7,500.00

Proposal is Valid Until Saturday, February 8, 2014

Delivery Lead Time Available Upon Request

20% Re-stocking Fee on All Returns

Maintenance Contracts are Available

This Proposal is Subject to Wireless Communications' Standard Terms and Conditions (see attachment)

*Thank You for Choosing Wireless!*



4800 Reagan Drive  
Charlotte, NC 28206  
Phone: 704-597-5220  
Fax: 704-597-7050

**Quote No:** Q15570  
**Date:** 01/09/2014  
**Prepared for:** KRISTI A/P  
**Prepared by:** BRUCE WILLIAMS  
**Terms:** NET UPON RECEIPT  
**Customer PO:**

WARRANTY	WARRANTY SERVICE	1	3,600.00	3,600.00
----------	------------------	---	----------	----------

<b>Non Taxable:</b>	<b>11,100.00</b>
<b>Taxable:</b>	<b>93,442.50</b>
<b>Sub Total:</b>	<b>104,542.50</b>
<b>Sales Tax:</b>	<b>6,307.42</b>

**Total Quoted Amount: 110,849.92**

Accepted By : \_\_\_\_\_  
*Authorized Signature*

Date : \_\_\_\_\_

Proposal is Valid Until Saturday, February 8, 2014

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4800 Reagan Drive  
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Phone: 704-597-5220  
Fax: 704-597-7050

Quote No: Q15570  
Date: 01/09/2014  
Prepared for: KRISTI A/P  
Prepared by: BRUCE WILLIAMS  
Terms: NET UPON RECEIPT  
Customer PO:

**Terms**

- THESE TERMS AND CONDITIONS APPLY TO ALL TRANSACTIONS. LEASES, CONDITIONAL SALES, CHATTEL MORTGAGES, RETAIL INSTALLMENT CONTRACTS, AND RENTAL AGREEMENTS MAY CONTAIN APPLICABLE TERMS AND CONDITIONS PRINTED THEREIN
1. ACCEPTANCE. This document is an offer by the Buyer, which will become a contract when acknowledged in writing by Wireless Communications, Inc. and the banking negotiation or other use of the down payment shall not constitute an acceptance hereof by Wireless Communications, Inc. (Seller hereinafter). It is agreed that sales are made only on the terms and conditions herein. Seller shall not be bound by terms and conditions in Buyer's purchase order or elsewhere unless expressly agreed to in writing. In the absence of written acceptance of these terms, acceptance of or payment for purchases hereunder shall constitute an acceptance of these terms and conditions. Any contract evidenced by this document is assigned to Wireless Communications, Inc.
  2. DEFINITIONS. All references to Seller herein shall mean Wireless Communications, Inc. and all references to Buyer shall mean the Customer named in the attached document.
  3. SHIPPING AND HANDLING. Shipping and Handling charges when shown separately in the attached document include (prepaid) domestic surface and airfreight which will be included on the invoice (e.g., UPS, Parcel Post, Common Carrier). Freight charges are subject to frequent changes and in considerations of Seller's agreement to hold to the charges stated, Buyer agrees to pay such amount without regard to the actual charges applicable at the time of shipment. It is understood that Seller will not have to provide Buyer with any copies of carrier freight bills.
  4. DELIVERY AND TITLE. Unless otherwise stated on the attached form, all deliveries are FOB Seller's business location. Shipping and delivery dates are best estimates only. Seller reserves the right to make deliveries in installments and the contract will be severable as to such installments. Delivery delay or default of any installment shall not relieve the Buyer of its obligation to accept and to pay for remaining deliveries. Claim for shipment shortage shall be deemed waived unless presented to Wireless Communications, Inc. in writing within forty-five (45) days of delivery of each shipment. IN NO EVENT SHALL WIRELESS COMMUNICATIONS, INC. BE LIABLE FOR INCREASED COSTS, LOSS OF PROFITS OR GOOD WILL OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES due to late or non-delivery of products. Title to products sold shall pass to Buyer at the FOB point. Seller shall retain a security interest and the right of possession in the products until Buyer makes full payment. Buyer agrees to cooperate in whatever manner necessary to assist Seller in perfection on said security interest upon request.
  5. COMMERCIAL WARRANTY. Wireless Communications, Inc. provides no warranty for products sold unless otherwise noted in writing on the attached form. Manufacturers of products sold provide warranties of varying periods and coverage. Written copies of manufacturer's warranties are available upon request.
  6. EQUIPMENT PERFORMANCE. Because each radio system is unique, Seller disclaims liability for range, coverage, or operation of the system as a whole except by a separate written agreement by an officer of the Seller.
  7. PAYMENT. The Buyer shall make payment in accordance with the terms stated on the attached document at Wireless Communications, Inc., P.O. Box 198812, Atlanta, GA, 30384-8812 or at such other place as Wireless Communications, Inc. may designate. Payment shall be made upon delivery unless stated otherwise on the attached document.
  8. TAXES. Except for the amount, if any, of state and local tax stated on the attached document, the prices set forth herein are exclusive of any amount for Federal, State, and/or local excise, sales, use, property, retailer's occupation, or similar taxes. If any such excluded tax is determined to be applicable to this transaction or if Seller is required to pay or bear the burden thereof, the prices set forth herein shall be increased by the amount of such tax and any interest or penalty thereon, and the Buyer shall pay to the Seller the full amount of any such increase no later than ten (10) days after receipt of an invoice therefore.
  9. TERMINATION AND CANCELLATION.
    - A. Seller shall not be liable for any delay or failure to perform due to any cause beyond its control. Causes include, but are not limited to, strikes, acts of God, acts of the Buyer, interruptions of transportation or inability to obtain labor, materials, or facilities, default of any supplier, or delays in FCC frequency authorization or license grant. The delivery schedule shall be considered extended by a period of time equal to the time lost because of any excusable delay. In the event Seller is unable to wholly or partially perform because of any cause beyond its control, Seller may terminate any contract without liability to the Buyer.
    - B. Buyer may by written notice to Seller within fifteen (15) days of the date hereof cancel any contract arising hereunder, for other than the default of the Seller and at Seller's convenience, in which event Buyer shall pay Seller twenty percent (20%) of the total price of all products and accessories listed on the attached document as a restocking charge.
  10. TECHNICAL ASSISTANCE. Warranties shall not be enlarged and no obligation or liability shall arise out of Seller's rendering of technical advice, facilities, or service in connection with Buyer's purchase of the products furnished.
  11. FCC MATTERS. The Buyer is solely responsible for obtaining any licenses or other authorizations required by the Federal Communications Commission (FCC) and for complying with FCC rules and with the rules and regulations of any other federal, state, or local regulatory agency. Neither Seller nor any of its employees is an agent or representative of the Buyer in FCC matters or otherwise. Seller, however, may assist in the preparation of the license application.
  12. CONTROLLING LAW. This document and the rights and duties of the parties shall be governed and interpreted according to the laws of the State of North Carolina.
  13. FINAL ACCEPTANCE. Failure to make a claim within five (5) days after receipt of each product covered hereby shall constitute an irrevocable acceptance thereof.
  14. LIMITATION OF LIABILITY. Seller's total liability is limited to the total price of the products sold hereunder. Buyer's sole remedy is to request Seller at Seller's option to either refund the purchase price, or to repair or replace products that are not as warranted. In no event will Seller be liable for incidental or consequential damages. No action shall be brought for any breach of this contract more than one (1) year after the accrual of such cause of action except for money due upon open account.
  15. WAIVER. The failure of Seller to insist in any one or more instances, upon the performance of the terms, covenants, or conditions herein, or to exercise any right hereunder shall not be construed as a waiver or relinquishment of the future performance of any such term, covenant, or conditions or the future exercise of such right, but the obligation of the Buyer with respect to such future performance shall continue in force and effect.
  16. GENERAL.
    - A. Buyer acknowledges that it has read and understands these terms and conditions and agrees to be bound by them, that it is the complete and exclusive statement of the agreement between the parties and supersedes all proposals, oral or written, and all other communications between the parties relating to the subject matter hereof.
    - B. No modification hereof shall be binding upon Seller unless such modification is in writing signed by a duly authorized representative of Seller.
    - C. If any part is contrary to, prohibited by, or deemed invalid under the applicable laws or regulations, such provision shall be deemed omitted to the extent so contrary prohibited or invalid, but remainder shall not be invalidated and shall be given effect so far as possible.

**IMPORTANT:**

DIRECT INQUIRIES ABOUT THIS PROPOSAL/ORDER TO WIRELESS COMMUNICATIONS, INC. AT 4800 REAGAN DR., CHARLOTTE, NC, 28206.  
PLEASE SPECIFY SALES ORDER NUMBER

Proposal is Valid Until Saturday, February 8, 2014

Delivery Lead Time Available Upon Request

20% Re-stocking Fee on All Returns

Maintenance Contracts are Available

This Proposal is Subject to Wireless Communications' Standard Terms and Conditions (see attachment)

*Thank You for Choosing Wireless!*



## **City of Dunn Police Department**

May 7, 2014

Marsha Tapler, Financial Analyst  
North Carolina 911 Board  
PO Box 17209  
Raleigh, NC 27619-7209

Dear Marsha,

I am requesting additional funding for the purchase of a new 911 system. Our current system will meet its end of life expectancy January 1, 2015 and will need replacing. I am asking for hosted solution instead of a fixed 911 system. I believe a hosted service is advantageous as it offers more flexibility in day to day use and backup.

Intrado offers A911 data services. Intrado A9-1-1 Data Services offer PSAPs historical and real-time data, Power 911® and CAD integration and a common user interface for fast, easy access to contextually relevant information. Next-Generation 9-1-1 (NextGen 9-1-1) reflects an industry vision that defines advanced services and collaboration capabilities across emergency response entities employing a nationwide network of interconnected IP-based networks. During a citizen-initiated call for help, typical NextGen 9-1-1 processing activities include call handling, emergency response dispatch, the coordination of necessary services and the correlation of events that may be related to the 9-1-1 call as well as a wide variety of post-event activities ranging from log review and data sharing to evidence inquiries and forensics.

The Next-Generation 9-1-1 has been on the minds of public safety professionals for many years, and for good reason. The nationwide migration to an entirely IP-based architecture is the most significant communication advancement the industry has ever taken on. As more and more public safety answering point begins to take important strides toward their NextGen 9-1-1 goals, the emergency communication environment is primed to implement some of the newest next-generation capabilities available now.

I have attached the necessary information for your review.

Respectfully,

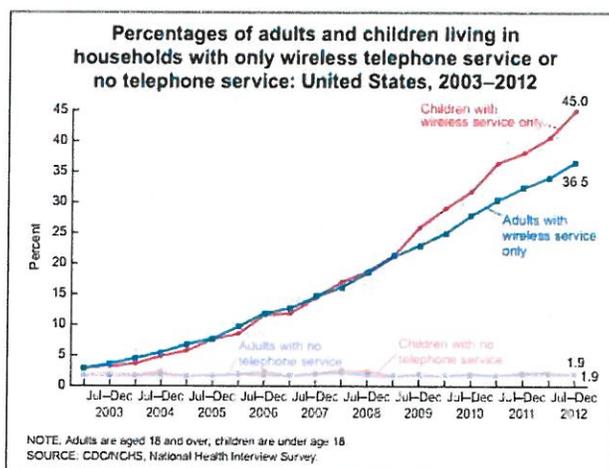
Charles Callahan, Communications Director  
City of Dunn Police Department

# EXECUTIVE SUMMARY

## 1.1 OVERVIEW

Motorola appreciates the opportunity to propose our Next Generation 9-1-1 (NG9-1-1) solution, *The Great Migration*, to the Dunn Police Department. The introduction of a robust and secure Next Generation 9-1-1 network makes new information, advanced collaboration, and interoperability services available to Public Safety Answering Points (PSAPS) and other public safety entities. The Great Migration is a fully managed bundle of NG9-1-1 services that will set the stage for the Dunn Police Department's transition to the NENA i3 reference architecture and standard interfaces. These capabilities will generate an exponential improvement in 9-1-1 services and further your agency's capabilities with the inclusion of new and contextually appropriate information.

Since October 1999 when the Wireless Communications and Public Safety Act of 1999 (9-1-1 Act) took effect, 9-1-1 services have become a vital part of our nation's emergency response and disaster preparedness system. Shortly thereafter the National Emergency Number Association (NENA) identified the need for 9-1-1 services that would address the rapidly growing wireless mobile society. Consumer expectations, major world events, and continuous advancements in mobile phone technologies necessitate this change. In fact, a report by the Wall Street Journal on September 5, 2013 that was based on data provided by the results of a Census Bureau survey released the same day stated: "About one-third of U.S. households have ditched landline phones, driven by younger Americans relying on their cell phones."



In a whitepaper release by the Center for Disease Control and Prevention (CDC) dated June 20, 2013 entitled "Wireless Substitution: Early Release of Estimates From the National Health Interview Survey, July–December 2012" Stephen J. Blumberg, Ph.D., and Julian Luke write: "Preliminary results from the July–December 2012 National Health Interview Survey (NHIS) indicate that the number of American homes with only wireless telephones continues to grow. Nearly two in every five American homes (38.2%) had only wireless telephones (also known as cellular telephones, cell

phones, or mobile phones) during the second half of 2012—an increase of 2.4 percentage points since the first half of 2012. In addition, nearly one of every six American homes (15.9%) received all or almost all calls on wireless telephones despite also having a landline telephone. This report presents the most up-to-date estimates available from the federal government concerning the size and characteristics of these populations.

The introduction of a robust and secure Next Generation 9-1-1 network makes new information, advanced collaboration, and interoperability services available to PSAPS and other public safety entities.

Next Generation 9-1-1 (NG9-1-1) services enable the public to transmit text, images, video and data to the dispatch center. These capabilities will generate an exponential improvement in 9-1-1 service, by expanding the degree to which new, contextually appropriate information can be automatically provided to a broadened set of users and agencies. The NG9-1-1 infrastructure is intended to replace current services over time. As of October 2013 several states had successfully implemented NG9-1-1 solutions.

***“I’m alive.”***

## 1.2 THE MOTOROLA SOLUTIONS AND INTRADO PARTNERSHIP

For more than 80 years, Motorola has provided solutions to meet the challenges faced by our Public Safety customers. To date, Motorola has implemented Radio Systems, 9-1-1, CAD, Mobile Records management systems in hundreds of agencies throughout the United States, supporting multi-discipline, multi-agency organizations with populations ranging up to the millions.

Motorola has the demonstrated experience, stability, and qualifications to provide the Dunn Police Department a powerful, intuitive solution that will easily grow and adapt to the City’s future needs. Motorola is proud to partner with Intrado, the industry leader in Next Generation 9-1-1. Intrado has been at the forefront of pioneering 9-1-1 technology solutions that enable improved performance, reliability and capabilities of communications systems and response. Today Intrado provides the core of the nation’s 9-1-1 infrastructure and supports the delivery of over 206 million calls to 9-1-1 centers every year.

That simple and urgent text message was sent by a Joplin, Missouri man who was trapped in the rubble of a building during the devastating tornados in November 2013. The victim was also able to text the exact location of the building to his best friend, who, in turn, alerted emergency workers.

With no NG9-1-1 solution in place, this man is extremely lucky that his friend was available to receive the text and contact emergency workers on his behalf.

This true story underscores the powerful mission critical capabilities available today through the power of mobile communications devices and the true need for public safety agencies to embrace all potential uses of modern technology.

## 1.3 THE GREAT MIGRATION

The Great Migration service suite provides an opportunity for the Dunn Police Department to exponentially improve public safety as a whole. The Great Migration is a new i3 standards-based public safety class services delivery suite through which all future applications are made available to and interoperable with, a broad emergency response community. This suite provides comprehensive services that are guaranteed to include NENA i3 functions and that raise the bar on industry service standards.

By implementing the proposed Great Migration Next Generation solution provided by Motorola and Intrado, the Dunn Police Department will benefit from:

- Full Budgetary Predictability – By managing all aspects of your i3 transition from planning to implementation, training, and deployment, Motorola offers you one competitive price with no hidden costs or surprises.
- Support and confidence – With Motorola you get a long-term partner to support all of your mission-critical and public safety initiatives. We will work with you to manage your transition to Next Generation 9-1-1, and continue to partner with you to help ensure your ongoing industry standards compliancy.



- Guaranteed i3 solutions that are compliant with the NENA i3 reference architecture:
  - An end-to-end fully integrated solution comprised of all the i3 functional elements including the call routing components (LNG, LIS, ESRP, ECRF) as well as the GIS data provisioning components.
  - GIS routing including the GIS support and consulting needed to get your data ready to use for routing purposes.
  - Hosted CPE – The hosted infrastructure facilitates cost effective and efficient deployments and includes upgrades to the latest releases.
- Control – Motorola offers unprecedented choice. The Dunn Police Department will remain in full control over your operations and will have the flexibility to change standard operational procedures as needed, maximizing your staffing resources.
- The Resources to manage your i3 transition needs so you can focus on saving lives while Motorola delivers your Next Generation technology.
- Motorola Solutions System Support including local support provided by Motorola's local authorized service provider, Wireless Communications, Inc.

## 1.4 OVERVIEW OF THE GREAT MIGRATION SERVICES

We are confident that the proposed Great Migration Next Generation 9-1-1 solution best meets the needs of the Dunn Police Department. The Great Migration is our Next Generation voice, text data, and hosted call handling emergency package that includes the following elements:

- **Guarantee:** All service components, including all functions and protocols specified in the NENA i3 reference architecture, delivered in a timeline that meets your needs and GIS data capabilities.
- **A9-1-1 Routing:** Emergency voice calls over the private, secure, and redundant IP infrastructure via SIP interfaces with transitional ESN routing supporting the migration to NENA i3.
- **A9-1-1 Location Data Management:** Complete solution for 9-1-1 data management for the provisioning and delivery of E9-1-1 services.
- **A9-1-1 GIS Data Management:** GIS based data management tools including MapSAG™ which enables 9-1-1 authorities to manage their GIS data and synchronize with the legacy MSAG. MapSAG's validation tools will improve GIS data accuracy in preparation for a full i3 implementation.
- **A9-1-1 VIPER Hosted Call Handling:** Call handling equipment that is hosted in the network and evolves with network services. The CPE is provided with a call map view including text and supplemental services display.
- **A9-1-1 Integrated Map Viewer:** On each call handling desktop, an integrated map viewer application displays wireline, wireless, and VoIP calls and correlated A9-1-1 Enhanced Data to aid in caller and event location.
- **A9-1-1 Text:** Emergency text request for assistance services over i3 compliant interfaces.
- **A9-1-1 Enhanced Data:** Supplemental multi-media and address data that augments the voice and text calls. All emergency events are displayed via a map view with mouse over meta data display and site selection. The data is offered to call takers and dispatchers via integrated CAD solutions and to PSAP supervisors for a total jurisdictional view.
- **A9-1-1 CAD Integration:** Intrado will work with the PSAP's CAD vendor to integrate A9-1-1 Enhanced Data services into the CAD implementation.
- **A9-1-1 Performance Metrics and Call Detail:** Flexible reports, metrics, and call detail information configured to meet PSAP needs.

## 1.5 PROFESSIONAL SERVICES

The Great Migration solution also includes the following Professional Services:

**Single Point of Contact** for all aspects of the project who will act as your advocate for the life of the project to ensure evolution in your timeframe and ongoing support continues to meet your requirements.

**Solutions Delivery Management Services** include design, implementation, operations, monitoring, and support of all components including review of your technical configurations and GIS data followed by recommendations on how best to proceed to meet your specific goals and timeframes.

### 1.5.1 Additional Optional Solutions

The following services are optional service elements that can be added to the Great Migration for an additional monthly fee; this fee includes all ongoing support and maintenance costs.

- **A9-1-1 PrePlans:** Intrado A9-1-1 PrePlans provides PSAP personnel and first responders mission critical information such as floor plans, electrical, and HVAC schematics to enhance situational awareness, resulting in more informed responses and better outcomes.
- **A9-1-1 Family Location Service:** A9-1-1 Family Location Service turns mobile communications devices into personal safety tools by utilizing cellular and smartphone technology. PSAPs can use A9-1-1 Family Location Service to track user locations during emergency situations.
- **A9-1-1 HAZMAT:** A9-1-1 HAZMAT correlates inbound 9-1-1 calls with the required hazardous materials information provided by and registered with the centralized state database. Reference data includes information pertaining to detection and alarms, plume modeling, explosive standoff distances, and response plans.
- **A9-1-1 Gunshot Detection:** A9-1-1 Gunshot Detection provides your PSAP and first responders with enhanced situational awareness by automatically delivering precise and accurate incident information such as the location, time, and number of gunshots without a 9-1-1 call.
- **A9-1-1 Image Map:** Users quickly perform data mining, detailed searching, and other tasks with this highly configurable and powerful web-based program built to complement your local data with live data feeds including weather, traffic cameras, news, and other streaming information.
- **A9-1-1 Text to 5/6/10 Digit:** the Intrado text service that enable citizens to text for assistance to a PSAP using regular SMS messaging. With A9-1-1 Text, the user sends text messages to a 5, 6, or 10 digit short code assigned to that PSAP and is routed based on the PSAP's pre-assigned short code digits.
- **THOR Shield™ Emergency Communications Continuity Program:** THOR Shield is a self-contained, full-service emergency operations continuity program that provides a mobile communications and command center complete with professional on-site support teams, strategic event planning, and NG9-1-1 communications technologies to agencies of any size and budget whenever and wherever emergency operations are impacted.

## 1.6 MOTOROLA ENHANCED SUPPORT

The Dunn Police Department can rely upon the dedicated Public Safety Systems Support that provides continuous system support to each network element and application supplied as part of this proposal. Motorola Solutions will manage and track the support of the solution provided in



partnership with Intrado. This coupled with Intrado direct support for the Next Generation 911 and local onsite support from Wireless Communication, Inc., an authorized Motorola Service Station, will ensure prompt system response and restoration.

### **Monitoring, Support, Maintenance, and Availability**

The Dunn Police Department's Next Generation solution will be supported by Motorola Solutions and our partners to provide you the monitoring, support, maintenance and availability required at all times, and especially in those moments that matter most.

Network Operations Center (NOC) – Staffed 24 hours a day, seven days a week, 365 days a year to actively monitor and manage the ESInet and associated services. When a potential or actual issue is defined and determined to be an incident, the Incident Administration team is engaged by the NOC. The team uses established processes that are ISO 9001:2000-compliant for immediate escalation, notification, resolution, and reporting.

Highest System Availability – We embrace and create all offerings based upon a "no single point of failure" principle, using a fully redundant, multi-carrier, multi-protocol network linking all network elements within the ESInet. Our facilities and nodes are equipped with physically redundant data communications and power equipment so that any component can be maintained without overall service impact. Buildings and supporting facilities such as generators, fuel, and entrance demarcations require card access and are monitored 24 hours a day by security personnel.

# PROJECT OVERVIEW

## 3.1 OVERVIEW OF THE GREAT MIGRATION PROJECT SCOPE

### 3.1.1 Project Management Team

Motorola Solutions has partnered with Intrado to deliver the Next Generation 9-1-1 solution to the Dunn Police Department. The Dunn Police Department will be supported by an integrated project management team consisting of a Motorola Customer Support Manager, an Intrado Implementation Project Manager, and an Intrado Program Manager.

Motorola will provide a Customer Support Manager (CSM) to oversee The Great Migration project, who will work closely with Intrado to ensure the successful implementation of your Next Generation solution.

An Intrado Implementation Project Manager will be assigned to work with the Dunn Police Department during implementation. The Implementation Project Manager is responsible for all implementation related activities including creation and management of the implementation project plan with the Dunn Police Department. The Implementation Project Manager will also coordinate activities with TSPs, such as establishing connectivity and test/migration schedules.

The implementation services will be managed by an experienced Intrado Program Manager, who is responsible for coordinating and delivering support through the term of the Dunn Police Department's purchased services.

The Motorola CSM, the Intrado Implementation Project Manager, and the Intrado Program Manager will meet with the Dunn Police Department on a periodic basis to review the status of implementation and completion of implementation tasks against target timeframes as described within the integrated project plan.

The Intrado Program Manager will represent the Motorola/Intrado integrated project team as the single point of contact for the Dunn Police Department. The Program Manager is responsible for overall customer service management, including customer service related issues, and, should the need arise, will also function as your first point of contact for escalation. The Program Manager's responsibilities also include:

- Scheduling and facilitating the kickoff meeting and status updates.
- Coordinating Intrado resources.
- Ongoing project management for the duration of the implementation.
- Provide monthly/quarterly customer reviews.
- Assist with all billing and reporting questions.
- Writing and maintaining all methods and procedures that affect Intrado operations as related to the Great Migration project and its interface with the Dunn Police Department.

### 3.1.2 A9-1-1 CAD Integration

Intrado will manage coordination with the Dunn Police Department's CAD vendor to enable delivery of A9-1-1 Enhanced Data services via the CAD system. The CAD Integration program includes:

- Delivery of the ESMI Partner Guide
- A9-1-1 Data ESMI Network Simulator
- A9-1-1 Data Service Pack/Service that will include the Service Specification and Service Simulator
- Time in the Intrado ESMI Certification lab to validate services end-to-end
- Engineering support services throughout the development and testing processes.

### 3.1.3 A9-1-1 Performance Metrics and Call Detail

An internet accessible interface will be available to the Dunn Police Department for retrieval of performance metrics and call detail information. The Intrado performance metrics tools and call detail reports are accessible through the interface in a standardized HTML format using tools that include:

- A9-1-1 Intrado call handling reporting provides reports on how calls are handled within your PSAP.
- The PSAP Management Portal enables authorized PSAP personnel to view provisioned aspects of the A9-1-1 voice system and access call detail records for completed calls.
- Clear View Metrics is a business intelligence reporting tool for metrics reporting supplying authorized users with A9-1-1 Routing and A9-1-1 Location Data Management reports

### 3.1.4 Solution Delivery Management

The Solution Delivery Life Cycle approach to plan, configure, network engineer, implement, test, document, train, and support Intrado services follows the Intrado time-proven Solution Delivery methodology. The lifecycle begins with solution definition and architecture activities. During these initial phases, joint team members verify system application and implementation requirements, refine the solution architecture, and finalize the plan for solution deployment. Following definition and architecture phases, the team orders, installs, configures, tests, and trains users on end-user facing solution components as part of solution integration and deployment effort. Following successful deployment, the maintenance phase begins.

The Dunn Police Department will continue to receive support in transitioning to the Next Generation 9-1-1 services and in the migration to i3. The project team will also work with the Dunn Police Department on the following designs and plans:

- ESInet design and implementation including call overflow and management
- A9-1-1 VIPER deployment strategies and deployment plans
- Text and Enhanced Data traffic analysis and demand
- GIS routing data implementation and deployment plans

The primary goal of the lifecycle methodology is that the project aligns with the Dunn Police Department's overall expectations, and is tailored to fit the needs of the Department.

## 3.2 PROJECT PLAN PHASES

The Project Plan phases are described below.

### 3.2.1 Solution Definition

The first phase in the solution lifecycle is the Solution Definition phase, which begins with the kickoff and alignment process and is critical to the overall success of the 9-1-1 initiative. During this process, key members of the joint project team unite to identify roles, responsibilities, critical success factors, project challenges, elaborate on specific strategies and project options, confirm project scope, and finalize plans to expedite solution delivery plans and resources. The proposed solution is reviewed in order to align each primary stakeholder with a common vision and strategy for unified team design and planning.

The Intrado team conducts current systems, processes, and site studies to more clearly understand the current system and user environment, allowing the team to plan the most effective migration path to the new system.

### 3.2.2 Solution Architecture

During the Solution Architecture phase, the detailed solution design is finalized based on confirmed requirements. During this phase, the team analyzes the current systems, operations, and operational procedures, identifies the human factors needs, considers implementation options, and with the Customer, commits the detailed solution design and implementation schedule.

Stakeholder participation to identify processes and standard operating impact is critical in this process to support a successful integration of the new system. It is vital that current procedures, connectivity, and routing policies are examined so that the appropriate practices are carried forward to the new system environment. Examples of important areas to consider include load balancing philosophies and default routing rules.

Initial planning for connectivity from the telephone service providers to the Points of Interconnection (POI) also begins in the architecture phase. Key solution architecture planning activities include:

- Detailed solution design and schematics (onsite, site-to-site, site-to-Intrado, firewalls, routers, etc.)
- ESInet and IP specifications
- Telephone service provider connectivity specifications
- Physical requirements (e.g., equipment room design, floor loading)
- Call transfer requirements
- Training plan and schedule
- Refined project plan and timeline

### 3.2.3 Solution Integration

During the Solution Integration phase, the components of the solution, including processes, applications, servers, network components, and data flow, are engineered and readied for deployment.

All network, regional, and Customer premises components are delivered, and the equipment rooms and other facilities are readied.

Coordination with wireline, wireless, and VoIP telephone service providers is an essential part of this stage to plan for the 9-1-1 services management transition. Telephone service providers receive all necessary information and detail to obtain connectivity to the Intrado systems and the service provider's connectivity to the POIs is engineered and ordered.

Working closely with stakeholder groups, the project team designs customized provisioning plans (including incoming trunk route plans, bridge lists, and dialing plans). Additionally, the documentation and training developers customize the user and process documents and various training courseware, if needed, to meet the needs of the Department.

### **3.2.4 Solution Deployment**

During the Solution Deployment phase, all network components and equipment connectivity is validated and acceptance tests are performed, metrics tracking, reporting is initiated, and training is provided. After complete non-live call testing, the system begins supporting live 9-1-1 traffic.

In preparation for deployment and in partnership with Dunn Police Department, the Intrado Project Manager finalizes the cutover plan, including procedures for notification concerning schedule specifics.

Prior to the commencement of cutover, the project team members will hold a cutover meeting with the Department and the telephone service providers. The purpose of this meeting is to discuss the progress of activities and the cutover readiness.

PSAP training is provided in accordance with the detailed training rollout plans. The system will then undergo a system acceptance test and quality walkthrough. Once complete, and in agreement with the Department, a live-traffic cutover will then commence. Once live traffic has moved to the system, the maintenance period begins.

### **3.2.5 Solution Maintenance**

The Solution Maintenance phase begins once live traffic is transferred onto any part of the system. During this phase, Intrado provides ongoing tiered support services to monitor service level performance, manage help desk requests, escalate support procedures, and support the Department to reach the highest level of operational excellence. The solution support team is in place to receive, analyze, and rectify problems and information requests throughout the term of the contract.



# PRICING

## 4.1 PRICING SUMMARY

City of Dunn One Time setup fee	
Configuration Setup and Project Management	\$ 22,426.00

City of Dunn Recurring Payment	
Based on current wirelined telephone numbers	\$ 18,159.00

Total Customer Sale Price \$1,111,957 over 60 Months

The Contract Price in U.S. dollars is \$ 1,111,957 which will be payable over a 60 month term with an upfront payment of \$22,426.00 and a monthly combined recurring charge of \$18,159.00 for all services. The monthly recurring charge of \$18,159.00 is based on a quantity of 6,000 wireline telephone numbers (TN's). Should the quantity of wireline TNs exceed 6,000, the monthly charge will be recalculated at a rate of \$.258 per TN.

During implementation, the monthly recurring charges will be invoiced in three phases:

1. Phase One will begin upon activation of the Great Migration (Cloud based CPE); the associated monthly recurring charge is \$15,828.
2. Phase Two will be the ALI Management service; the associated monthly recurring charge is \$975.
3. Phase Three will begin upon activation of enhanced data services; the associated monthly recurring charge will increase to \$1,356.

The 60 month terms will commence once all services are live. ALI services and Great Migration services may be active for one or more months prior to all services going live. A change order will be used to amend the Contract Price to include any additional months of service.

**DUNN (CITY OF)**

**Expenditures**

**Phone Systems**

	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013
9-1-1 trunks		36,090	40,490	34,828	
Admin lines	9,009	15,340	2,395	2,395	
Language Interpretation Services	718	1,200	1,119	1,294	
Selective Routing			5,790		
Automatic Call Distribution					
Telephone equipment (CPE etc.)	49,335	1,509	1,834	3,308	
TDD/TTY					
<b>Totals</b>	59,062	54,139	51,627	41,824	0

**Furniture**

<b>Totals</b>			2,296	65,905	
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**Software**

CAD	23,164	8,425	8,509		
GIS		30,256		24,500	
Ortho/Oblique Imagery					
Voice Logging Recorder		8,500	8,500		
MIS for 9-1-1 phone system					
Time Synchronization					
Dispatch Protocols	78	750			
QA for Protocols	55,224	5,085	38,352		
ALI Database software					
Software Licensing		19,300	8,030	462	
Radio Console Software					
Console Audio Box (CAB) Software					
Paging Software			772		
Computer Aided Dispatch					
Automated digital voice dispatching software					
<b>Totals</b>	78,466	72,316	64,163	24,962	0

**Hardware**

CAD	58,064	4,862			
GIS Server					
911 Phone System Server		13,028	10,422		
Voice Logging Server					
Computer Workstations	640	5,106	5,611	488	
Time Synchronization					
UPS			619	15,903	
Generator			327		
Call Detail Record Printer					
Radio Network Switching Equipment					
Fax Modem					
Printers					
Radio Console Ethernet Switch					
Radio Console Access Router					
Back up Storage equipment for 911 database					
Mobile Message Switch					
Paging Interface w/ CAD					
Alpha/Numeric Pager Tone Generator					
Radio Console					
<b>Totals</b>	58,704	22,996	16,979	16,391	0

**Training**

Registration		2,715	3,710	2,795	
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In State Travel		531	1,020	480	
*Out of State Travel					
	<b>Totals</b>	0	3,246	4,730	3,275
					0

**Functions**

Database Provisioning					
Addressing					
Equipment Maintenance				16,605	
Software Maintenance				20,980	
	<b>Totals</b>	0	0	0	37,585
					0

						<b>FY2008-FY2012</b>	<b>Yearly Amt.</b>	<b>Monthly Amt.</b>
<b>TOTAL EXPENDITURES:</b>	196,232	152,697	139,794	189,941	128,739	807,403.20	161,480.64	13,456.72

[Proposed PSAP Dist. !A1](#)