



**City of Meriden, Connecticut**

**Purchasing Department**

**Request for Proposal**

**For**

**RFP024-21**

**Fire Station Alerting System**

**Meriden, CT**

**Proposals Due: December 1, 2023 @ 11:00 AM**

*Purchasing Department*

*142 East Main Street, Room 210*

*Meriden, CT 06450*

*(203) 630-4115*

## LEGAL NOTICE

### REQUEST FOR PROPOSALS

**The City of Meriden is accepting proposals for:**

#### **RFP024-21 –Fire Station Alerting System**

The City of Meriden Fire and Emergency Services Department (MFD) is seeking a qualified vendor to replace/upgrade its existing Fire Station Alerting System (FSAS).

Proposals shall be submitted on forms and in the manner specified. Forms and specifications may be obtained from the Purchasing Department, on the City of Meriden website ([www.meridenct.gov/business/bids-rfps/](http://www.meridenct.gov/business/bids-rfps/)), and on the State of Connecticut Department of Administrative Services website (<https://webprocure.proactiscloud.com>). Proposals will be accepted at the Purchasing Department, 142 East Main Street, Room 210, Meriden, Connecticut 06450 until 11:00 A.M. local, and Eastern Standard Time on **December 1, 2023** at which time they will be opened and recorded. Any response received after the time and date specified shall not be considered.

The right is reserved to reject any or all proposals, in whole or in part, to award any item, group of items, or total proposal, and to waive informality or technical defects, if it is deemed to be in the best interest of the City of Meriden. No proposer may withdraw their submission within sixty (60) days of the date of the opening.

The successful firm(s) shall ensure that any appropriate licenses or certifications required by the State of Connecticut are maintained for the duration of the project. The firm must meet all municipal, state and federal affirmative action and equal employment opportunity practices

The City of Meriden is an Affirmative Action/Equal Opportunity Employer. Disadvantaged, minority, small, and women business enterprises are encouraged to respond.

Rawle Dummett  
Purchasing Officer  
City of Meriden, CT 06450-8022  
Dated: November 10, 2023

# CITY OF MERIDEN, CONNECTICUT

## RFP024-21 Fire Station Alerting System

### INFORMATION TO PROPOSERS

#### 1. PROPOSAL PROCEDURES

Sealed proposals shall be submitted on the forms designated by the attached proposal forms. Proposals will be received by the City of Meriden's Purchasing Department, Room 210, City Hall, 142 East Main Street, Meriden, Connecticut, 06450-8022 until 11:00 AM on December 1, 2023 and at which time they will be opened and recorded.

#### 2. PROPOSALS

Proposals are to be submitted on the attached proposal form. Please submit two complete copies of the proposal forms. One shall be an original and one can be a copy. **Please also submit one complete copy of your proposal on a flash drive.**

PROPOSALS WILL BE AUTOMATICALLY REJECTED FOR ANYONE SUBMITTING A SURETY OTHER THAN THOSE SPECIFIED.

- a. Proposals must be made out and signed in the corporate, or other, name of Responder, and must be fully and properly executed by an authorized person.
- b. The sealed envelope must denote the Responder's name and address in the upper left hand corner and the words "PROPOSAL DOCUMENT – RFP024-21 Fire Station Alerting System to be opened at 11:00 AM" in the lower left hand corner.
- c. Proposals received later than the time and date specified will not be considered.
- d. Amendments to or withdrawal of proposals received later than the date and time set forth in the proposal opening will not be considered.
- e. All prices must be in ink or typewritten. In the event of a Proposer's mathematical error in tabulating any prices, *the written unit prices shall govern.*

#### 3. PROPOSER'S QUALIFICATIONS

Respondents will be required to fill out, and include as part of its proposal, any attached Proposal's Qualification Statement.

In determining the qualifications of a respondent, the City of Meriden will consider the proposers' record of performance in any prior contracts for construction work. The City of Meriden expressly reserves the right to reject a proposal if the proposers' historical performance, in the sole opinion of the City of Meriden, has been unsatisfactory in any manner or if the proposer has habitually and without just cause neglected the payment of bills or has otherwise disregarded its obligations to subcontractors, suppliers, or employees.

#### 4. EXAMINATION OF PROPOSAL DOCUMENTS

Proposers are to examine all documents and visit the site in order to make a thorough examination of the conditions so that the responder may familiarize itself with all of the existing requirements, conditions, and difficulties that will affect the execution of the work in order to determine the amount of work necessary to carry out the true intent of the specifications and work shown on the drawings. The City of Meriden and its agents do not have any responsibility for the accuracy, completeness, or sufficiency of any proposal document obtained from any other source other than from the City of Meriden. Obtaining documents from any other source(s) may result in obtaining incomplete and inaccurate

information. Obtaining documents from any other source may also result in failure to receive any addenda, corrections, or other revisions to the documents that may be issued.

No request shall be honored if such request is made less than seven (7) calendar days prior to the date fixed for the opening of proposals. Any and all such interpretations, and any supplementary instructions, will be in the form of a written addenda to the specifications which, if issued, will be made available on the City of Meriden website ([www.meridenct.gov](http://www.meridenct.gov)) unless it is to change the date fixed for the opening of proposals, not later than three (3) days prior to the date fixed for the opening of proposals. Proposers are encouraged to check the website regularly for addenda. Failure of any proposers to receive any such addenda shall not relieve any proposers from any obligations under its proposal as submitted.

Any questions about the proposal document must be submitted in writing via email to [meridenpurchasing@meridenct.gov](mailto:meridenpurchasing@meridenct.gov). Any other format of question will not be answered.

5. PROPOSAL TO REMAIN OPEN

No proposer may withdraw its proposal within sixty (60) days of the date of the proposal opening. Should there be reason why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the City of Meriden and the successful proposer.

6. AWARD OF CONTRACT

The Purchasing Officer reserves the right to make an award on the proposal which, by the Purchasing Officer's judgment and recommendation from the Meriden Fire Department following proposal evaluations, best meets the specifications and is deemed to be in the best interest of the City of Meriden.

The contract will not be awarded to any corporation, firm, or individual which/who is in arrears to the City of Meriden by debt or contract, or who is in default as security or otherwise by any obligation to the City of Meriden.

The right is reserved to reject any or all proposal, in whole or in part, to award any item, group of items, or total proposal, and to waive informality or technical defects, if it is deemed to be in the best interest of the City of Meriden.

7. TIME

Inasmuch as the contract concerns a public improvement, the provisions of the contract relating to the time of performance and completion of the work are of the essence of the contract. Accordingly, the successful proposer/contractor ("Contractor") shall begin work on the day specified in paragraph 2.04 of the General Conditions and shall perform the work diligently so as to permit full use not later than the first day following the construction period established in the Contract. See paragraph 10 entitled "Liquidated Damages" of the Agreement between City of Meriden, as owner, and the Contractor.

8. SCHEDULE OF WORK

The Contractor shall schedule all work in a manner that will not disrupt City of Meriden operations. Once the work has begun, the Contractor shall work full-time until completion of the Contract.

9. TAXES

The City of Meriden is exempt under Connecticut General Statutes from the payment of the excise taxes imposed by the federal government and the Sales and Use Tax of the State of Connecticut; such taxes should not be included in the proposal price. Upon request, exemption certificates will be furnished to the successful proposer.

10. FAIR EMPLOYMENT PRACTICES

The Contractor shall agree that neither it or its subcontractors, except in the case of a bona fide occupational qualification or need, to refuse to hire or employ or to bar or to discharge from employment any individual or to discriminate against such individual in compensation or in terms, conditions or privileges of employment because of the individual's race, color, religious creed, age, sex, gender identity or expression, marital status, national origin, ancestry, present or past history of mental disability, intellectual disability, learning disability, physical disability, including, but not limited to, blindness or status as a veteran. The aforementioned terms are obtained from Connecticut General Statutes Section 46a-60, *et seq.*, entitled "Discriminatory employment practices prohibited," as amended.

11. FORM OF AGREEMENT BETWEEN CITY OF MERIDEN AND CONTRACTOR

The Agreement for the work will be written on the Agreement between City of Meriden and Contractor, wherein the basis of payment is a stipulated sum.

12. LOCAL SUBCONTRACTORS, SUPPLIERS, etc.

Local subcontractors, material suppliers, and labor in the City of Meriden should be considered and sought out insofar as it is practical in the performance of this project.

13. CITY OF MERIDEN CODE OF ETHICS

The City of Meriden has adopted a Code of Ethics located in Chapter 21 of the Code of the City of Meriden, sections 21-1 through 21-15, inclusive, which are expressly incorporated herein by reference. The terms of the Code of Ethics shall constitute a part of any contract or agreement entered into by the City of Meriden as a result of this proposal as if those terms were fully set forth in such contract or agreement.

Proposers are specifically advised that the Code of Ethics prohibits public officers and employees, as well as their immediate families and businesses, with which they are associated from participating in any transaction which is incompatible with the proper discharge of official duties or responsibilities. Proposers are also advised that the Code of Ethics contain provisions with respect to paid contractors and former employees and officials.

**PROPOSERS SHOULD NOTE THAT PROPOSALS, CONTRACTS, AND AGREEMENTS ENTERED INTO OR AWARDED IN VIOLATION OF THE CODE OF ETHICS ARE VOIDABLE BY RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MERIDEN.**

Copies of the Code of Ethics may be obtained from the office of the City Clerk or may be found online on the City of Meriden's website.

14. NON-COLLUSION BID STATEMENT

Each proposer submitting a proposal to the City of Meriden for any portion of the work contemplated by the documents on which the proposal is based shall execute and attach thereto the sworn Non-Collusive Bid Statement, to the effect that the proposer has not colluded with any other person, firm, or corporation in the submission of the proposal.

15. ASSIGNMENT OF CONTRACT

No contract may be assigned without the written consent of the Purchasing Officer or designee.

16. PERMITS

The Contractor shall be responsible for obtaining any and all necessary permits required by the City of Meriden prior to the commencement of work. The Contractor may contact the City of Meriden Building Department for permit information at (203) 630-4091. For all other required permits, contact the City of Meriden Engineering Department at (203) 630-4018.

17. PROPOSAL PRICE AND PAYMENT

The City of Meriden is exempt from the payment of the excise taxes imposed by the Federal government and the Sales and Use Tax of the State of Connecticut under Connecticut General Statutes; accordingly, such taxes shall not be included in the proposal price.

The City of Meriden, unless stated otherwise in the proposal documents or Contract, will make payment to the Contractor not less than thirty (30) days following completion of services.

18. QUALITY

All materials, equipment, supplies, and services shall be subject to rigid inspection. If defective material, equipment, supplies, or services are discovered, the Contractor shall remove or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that any inspection by the City of Meriden will in no way lessen the responsibility of the Contractor or release Contractor from the obligation to perform and deliver to the City sound and satisfactory materials, equipment, supplies, or allow the cost to be deducted from any monies due it from the City of Meriden. All services will be performed in a workmanlike manner.

19. INSURANCE

The successful proposals shall be required to provide a Certificate of Insurance denoting general liability, automobile liability, workers compensation liability, and other coverage required by the City's Risk Manager.

20. CITY HALL CLOSING

If Meriden City Hall is closed due to inclement weather, or any other unforeseen event, proposals will be due at the same time on the next business day that City Hall is open.

**CITY OF MERIDEN, CONNECTICUT**

**RFP024-21 Fire Station Alerting System**

**NON-COLLUSIVE BID STATEMENT/AFFIDAVIT**

The undersigned bidder, having been duly sworn, does hereby depose and says:

1. The bid has been arrived at by the bidder independently and has been submitted without collusion and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or services described in the Invitation to Bid.
  
2. The contents of the bid have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid, and will not be communicated to any such person prior to the official opening of the bid.
  
3. The undersigned bidder is duly authorized to bind the business entity identified below.

The undersigned bidder further certifies, under oath, that this statement is executed for the purposes of inducing the City of Meriden to consider the bid and make an award in accordance therewith.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Print Legal Name of Bidder

\_\_\_\_\_  
Relationship to Business Entity Below

\_\_\_\_\_  
Business Entity Name, Address, Telephone Number, and Email Address

STATE OF CONNECTICUT                     )  
   ) ss:  
COUNTY OF   )

Duly sworn and subscribed to before me  
this \_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Notary Public  
My Commission Expires:  
Commissioner of the Superior Court

## STATEMENT OF PROPOSER'S QUALIFICATIONS

This Statement of Proposer's Qualifications is to be submitted by the proposer at the time of the proposal. All questions must be answered and the data given must be clear and comprehensive. The proposer may submit any additional information he/she desires. It is understood that when the City has executed an Agreement, to which these General Conditions are a part, it is in part done upon the reliance of the answers provided herein by the proposer or the agent of the proposer.

1. Firm Name: \_\_\_\_\_

2. Permanent main office address: \_\_\_\_\_

3. Type of ownership: Minority Owned \_\_\_\_\_ Yes \_\_\_\_\_ No

4. Year Established? : \_\_\_\_\_

5. If a corporation, where incorporated: \_\_\_\_\_

6. How many years have you been engaged in business under your present firm name? \_\_\_\_\_

7. Former firm name? : \_\_\_\_\_

8. Personnel: Total \_\_\_\_\_

9. Have you ever failed to complete any contract awarded to you? If so, where and why?

\_\_\_\_\_  
\_\_\_\_\_

10. List similar work performed within the past Five (5) Years, Including the Name and Address of each Contact Person and Telephone Number; and approximate cost of each project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by the City of Meriden, in verification of the recitals comprising this Statement of Proposer's Qualifications.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2023

Name of Proposer:

\_\_\_\_\_

By: \_\_\_\_\_ Title: \_\_\_\_\_

**PLEASE SUBMIT THIS FORM WITH PROPOSAL**





## **INTRODUCTION**

The City of Meriden Fire and Emergency Services Department (MFD) is seeking to replace/upgrade its existing Fire Station Alerting System (FSAS) and invites proposals from firms with the experience, capabilities and qualifications to complete the project in an efficient and timely manner.

The MFD is requesting proposals from qualified vendors to provide a solution to replace its current Fire Station Alerting System (FSAS). The proposed system shall be a turnkey solution offered by a single prime vendor that includes all design, equipment, materials, installation related services and supervision, programming and commissioning, training, support, and ongoing maintenance.

The new FSAS must be compatible with the Meriden Emergency Communications Center (MECC) Computer Aided Dispatch (CAD) system, Nexgen, and MFD radio system communications AVETK/Motorola infrastructure, and will provide end user(s) the option of enhanced fire station functions.

The MFD is dispatched through the MECC and serves the citizens of the City of Meriden. The new FSAS will be installed at the city's 6 existing fire stations, which includes administrative offices at the Headquarters station. The MFD is seeking a comprehensive FSAS that alerts the stations with audible toning, visual notification(s), and automated functions with the primary means of communications from MECC being Ethernet Internet Protocol (IP) over an existing wide area network (WAN).

### **Current System Information**

A pre-alert is sounded via the radio network to all stations and units (Operations Frequency). The stations are equipped with Zetron Model 6203 IP systems. These systems provide ramped audible tones, control night light circuits. They are tied together with a Federal Signal switch and Bogen Station amplifier. Dispatches are delivered via live voice. CAD Data is sent via cellular service to each unit.



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### **General System requirements**

The FSAS Request for Proposal (RFP) shall be administered for the City of Meriden, Meriden Fire and Emergency Services, and the Meriden Emergency Communications Center by the City of Meriden Purchasing Department here in after referred to as the "City".

Systems must have a redundant capability to use radio transmission from the MECC public safety radio system if IP signal fails to alert stations automatically. The FSAS system shall be compatible with the MECC dispatch consoles and must interface with the Nexgen CAD system for automatic bi-directional information transfer between the FSAS and Nexgen CAD systems. Interoperability between the FSAS and CAD system shall be guaranteed by the vendor for the life of service contract. The proposed FSAS shall accommodate equipment for one primary 911 dispatch center located at 50 W. Main Street with five joint fire/police dispatch console positions.

FSAS system shall include warranty and annual maintenance to begin at the date of final acceptance as well as all perpetual software licensing.

The proposed system should be a turnkey solution offered by a single prime vendor. System shall be flexible, allowing for future expansion of additional fire stations and/or other fire departments in the area. Solutions should also seek to offer non-proprietary commercially available, industry standard hardware and software with system software written in a non-proprietary programming languages. All proprietary system components shall be identified by the proposer at time of bid.

The successful vendor shall coordinate and meet with staff from MECC to facilitate cooperation and any needed interface. The vendor shall provide specifics in the proposal of how the interface will work and what are any limitations to the interface. The interface must not require Dispatchers to perform additional steps outside of the CAD system and should integrate into the existing CAD workflow (e.g., the alert may be sent upon dispatch of units initiated in CAD).

The vendor shall obtain and pay for any permits and licenses required for the performance of the work, post all notices required by law, and comply with all laws, ordinances, and regulations bearing on the conduct of the work, as specified herein. On any work that requires an inspection certificate issued by



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local authorities, or any other governing body, such inspection certificate(s) shall be obtained by and paid for by the vendor. The chosen vendor shall procure all required certificates of acceptance or of completion issued by the state, municipal or other authorities and must deliver these before work is performed. A licensed contractor shall be used for any work requiring a permit.

### **Vendor Responsibility**

Unless otherwise stipulated, vendor shall provide, and pay for, all materials, labor, tools, equipment, transportation, and other facilities necessary for the performance and completion of the work.

### **Withdrawal of Proposals**

Vendors may withdraw a proposal that has been submitted at any time up to the proposal closing date and time. To accomplish this, a written request signed by an authorized representative of the vendor must be submitted to the RFP Contact. The vendor may submit another proposal at any time up to the proposal closing date and time.

### **Damage Liability**

The successful vendor is liable and responsible for any damage to the premises caused by vendor personnel or equipment during installation and is responsible for the removal of all project-related debris.

## **SCOPE OF WORK**

The FSAS system will be installed in a total of 6 current MFD Fire Stations to replace the existing ZETRON system and associated components in its entirety. As an option, optional audible/visual equipment may be installed in the headquarters area of the Fire Station. Tours of the stations shall be scheduled with the interested qualified vendors. Due to the age of the stations, accurate blueprints are not available.



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The 6 current MFD Fire Stations are at the following locations listed with in service operations units and reserve units housed at that station (\*require alerting/lighting):

1) Fire Department Headquarters / Station 3 – 561 Broad Street

- a) Administration
  - i) Chief of Department (C1) \*Optional
  - ii) Deputy Chief (C2) \*Optional
  - iii) Deputy Chief (C3) \*Optional
- b) Operations
  - i) Assistant Chief (Shift Commander) C4\*
  - ii) Engine 3 (E3)\*
- c) Reserve Apparatus
  - i) Reserve Command Car (Car 40)

2) Station 1 168 Chamberlain Highway

- a) Operations
  - i) Engine 2 (E2)\*
- b) Fleet Maintenance
  - i) Mechanic (C7)

3) Station 2 – 61 Pratt Street

- a) Operations
  - i) Truck 1 (T1)\*
  - ii) Tac 1 (Tac1)
- b) Reserve Apparatus
  - i) Truck 2 (T2)

4) Station 4 – 260 Sherman Avenue

- a) Operations
  - i) Engine 4 (E4)\*
- b) Reserve Apparatus



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i) Engine 7 (E7)

5) Station 5 – 1075 E. Main Street

a) Operations

i) Engine 5 (E5)\*

b) Reserve Apparatus

i) Engine 8 (E8)

6) Station 6 – 31 Camp St

a) Operations

i) Engine 5 (E5)\*

ii) Engine 6 (E6)\*

The Current locations of the Meriden Emergency Communications Center (MECC) is 50 W. Main Street. The MECC is currently in the Concept/Design Phase for a new dispatch center which will be located at 16 Benjamin, and would share the back portion of 61 Pratt St (Station 2). **Vendor shall include the cost to relocate equipment to the new MECC as a separate addendum.**

### PROJECT GOALS

- Replacement of the existing FSAS system.
  - Complete replacement of existing FSAS infrastructure and public address intercom systems at each station including associated cabling and equipment.
- The Department strives to meet or exceed the NFPA standards wherever possible and is asking for compliance with NFPA standard 1221 (2019 Edition) and NFPA 1710 (2019 Edition) where applicable to FSAS and this RFP.
- New system, at a minimum, must perform all of the following features.
  - Station alerting with automated voice, ramped alerting tones and lighting.
  - Door controls for a minimum of 1 overhead door
    - Record apparatus alarm time as well as the apparatus identification to meet current NFPA 1710 standard.
  - Auxiliary I/O controls for optional or enhanced functions.



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- Monitoring of connecting circuits to stations with audible alerting.
- Provide hardware and software licensing for 8 (5 currently active) fire dispatch operator positions within the MECC primary communications allowing for FSAS activation from any MECC fire dispatch operator position.
- All FSAS dispatch operator positions shall have their own touch screen monitor to manually activate the FSAS if needed.
- FSAS System shall be compatible with and interface to the MECC Nexgen Computer Aided Dispatch (CAD) system, and MFD communications infrastructure to initiate station alerting.
- System shall be capable of delivering a text to voice option over both the public address equipment at each station and the MECC radio system resources.
- System shall be compliant with current NFPA 1221 standard.
- System should be scalable to accommodate growth of future stations, other area departments, and additional dispatch center growth.
- Existing Zetron system is to remain operational until the new FSAS system has been installed and accepted by the city and county.
- Demolition of existing FSAS and its components following the completion and acceptance of the new FSAS system. The City will retain all salvage rights to existing equipment and components.



## **INSTALLATION REQUIREMENTS**

Each vendor should design a system that they feel provides the best solution with reliability and firefighter health and wellness as a priority. The system requested should allow for pre-alerting via radio, automated alerting based on CAD recommendation and confirmed by the Dispatcher, Ability to adjust to a manual alerting should it be necessary. Audible ramped up tones and visual notification of alarms in the station, confirmation of alert to the station, and remote capability to open 1 overhead door in each station.

Installations are subject to all applicable state and local codes as enforced by the authority having jurisdiction. In addition the installation shall meet or exceed current NFPA, ISO, EIA/TIA, and BICSI standards in regards to acceptable installation of physical system components.

Items and descriptions listed in this document are intended to be a minimum requirement. Each vendor is responsible for designing, installing, commissioning, and maintaining their proposed system via warranty and/or service contract. Each proposal must also guarantee that the proposed system will operate seamlessly with the MECC systems at the time of project completion and through the duration of the service contract(s) at no additional cost to the City.

## **FUNCTIONAL REQUIREMENTS**

The section below lists the expected minimum functional requirements of the system. Vendors respond Yes/No/Alternate to each item below. If a Vendor can comply with the request using an alternate solution, the Vendor should indicate in the Vendor Discussion area how the alternative meets the requirements.

Vendors shall provide a list of at least 5 departments of similar size that have their systems installed and operating. It is preferred that the departments are of similar size, and located near Meriden.



## 1. GENERAL REQUIREMENTS

- 1.1. The vendor shall provide a "turnkey" Fire Station Alerting system including the system design, all necessary equipment and software, programming, installation, system configuration, system start-up, testing, final acceptance, and training. This will include approval from the City Information Technology Department to ensure that all networking hardware and other IP devices are compatible and redundant with the current City Infrastructure. **YES NO ALTERNATE**
- 1.2. FSAS system shall be a complete replacement of current system including PA system, speakers, microphones, and associated cabling. **YES NO ALTERNATE**
- 1.3. It is the responsibility of the vendor to provide a minimum two (2) year parts & labor warranty, inclusive of lightning and surge damage, commencing on the date of final acceptance as defined by the MFD. **YES NO ALTERNATE**
- 1.1. An optional extended warranty program, covering year's three (3) through five (5), shall be provided with this response. **Pricing for each year of the maintenance program shall be included in the response.** The agreement shall provide the same coverage as the initial warranty plus backup battery replacement. **YES NO ALTERNATE**
- 1.2. An optional extended warranty program, covering year's six (6) through ten (10), shall be provided with this response. **Pricing for each year of the maintenance program shall be included in the response.** The agreement shall provide the same coverage as the initial warranty plus backup battery replacement. **YES NO ALTERNATE**
- 1.3. During the first two (2) years. The warranty and maintenance agreements shall provide a four (4) hour or less on-site response time for critical emergencies. City of Meriden has the final say on defining what constitutes a critical emergency. The City and Vendor shall agree to items defined as emergency prior to acceptance of system. Examples would include but are not limited to system hardware failure at MECC or at a fire station. **YES NO ALTERNATE**





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- 1.4. The vendor shall provide Technical Support and a Customer Support Hotline available to MECC and the MFD, 24 hours per day, 7 days a week, and 365 days per year during the warranty period(s). **YES NO ALTERNATE**
- 1.5. The vendor shall be able to provide on-site services within 24 hours for the purpose of fire station alerting system problems that are NOT of a critical nature. **YES NO ALTERNATE**
- 1.6. The vendor shall have a local trained and certified service technician available to respond to system problems for the duration of the agreed upon warranty and service contract periods. **YES NO ALTERNATE**
- 1.7. The vendor shall replace/relocate all existing equipment and associated cabling within the stations to bring all stations into compliance with current NFPA 1221 standard. Existing equipment may include, but not be limited to, station PA systems (including speakers and wiring), station printers, etc. Location to be determined prior to construction. **YES NO ALTERNATE**
- 1.8. The proposed FSAS system shall be implemented without interruption or downtime to the current ZETRON system. Current FSAS shall remain operational until new FSAS obtains final acceptance. **YES NO ALTERNATE**
- 1.9. The proposed FSAS system shall accommodate 6 fire stations and 5 fire dispatch positions at the MECC center and be expandable to accommodate 10 fire stations and 8 fire dispatch positions at each MECC center. Up to 5 dispatch positions shall be able to alert fire stations via IP network concurrently. **YES NO ALTERNATE**
- 1.10. The system shall provide for computerized voice readout of alerts, alarms, and dispatch information into the stations. Any computerized voice shall be clear and enunciate streets and



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information accurately with regional dialect. The voice may be synthesized or pre-recorded.

**YES NO ALTERNATE**

1.11. The Prime vendor shall submit a list of all sub-contractors to be used including company name, address, phone number, and contact person responsible to the vendor for this project.

Clearly state the work each sub- contractor will perform. **YES NO**

**ALTERNATE**

1.12. The Prime vendor and all sub-contractors shall have all required licenses to work in the State of Connecticut, and the City of Meriden at time of installation and throughout the warranty period. **YES NO ALTERNATE**

1.13. Training shall be provided for the MECC dispatch personnel, for radio communications maintenance personnel, IT network personnel (Meriden Police Department IT & City of Meriden IT), and MFD personnel. **YES NO ALTERNATE**

1.14. The vendor shall provide a description of the on-site training to be provided along with the number of training hours per training group. The training program shall be explained in detail. **YES NO ALTERNATE**

## **2. FIRE STATION ALERTING**

2.1. The proposed FSAS system shall provide a flexible and modular design which supports easy system expansion as well as current and future technologies. The FSAS system equipment shall be modular allowing the replacement of components such as, but not limited to, the power supply, processor board, input/output boards, audio interface, backup battery and radio without replacing the entire unit. **YES NO ALTERNATE**

2.2. The successful vendor shall stock an inventory of replacement parts and components of the proposed FSAS system that are "critical components" to their respective systems operations. Components shall be stock at an agreed upon city facility or at vendors local shop to allow for timely replacement during warranty and/or service agreement periods.



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List the critical components in your system. **YES NO ALTERNATE**

2.3. The proposed FSAS system shall support MECC future needs through cost effective expansions of hardware and upgrades to software without having to replace the FSAS system or its components. **YES NO ALTERNATE**

2.4. The proposed FSAS system shall provide redundancy. **YES NO ALTERNATE**

2.4.1. Please provide a description of the proposed system redundancy and how the loss of a system component will not prevent the stations from receiving an alert.

2.5. The proposed FSAS system shall provide secure communications including over the air security. **YES NO ALTERNATE**

2.5.1. Please provide a description of the proposed FSAS system security measures.

2.6. Ramped ("Heart-Saver") alert tones shall be provided. The volume level and ramp duration shall be user configurable. **YES NO ALTERNATE**

2.7. The alert tones shall be customized to meet the requirements of MECC and the MFD. They shall be capable of combining tone and recorded voice using .wav files, .mp3 files, or .wma files. Distinctive tones shall be provided for station alerting for general messages, single unit responses, two unit responses, and full assignments (more than 2 units). **YES NO ALTERNATE**

2.8. Stations shall be independently alerted, or may be alerted in groups based on CAD dispatch information. There must be a provision to manually activate alerts. Station alerting for alarms must be automated based on CAD recommendations. The proposed fire station alerting equipment shall interface with new station PA equipment (amplifiers, cabling, and speakers) provided in this proposal. Each level of the station must have



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access to the PA feature. **YES NO ALTERNATE**

- 2.9. The proposed FSAS system shall meet or exceed the current NFPA 1221 recommendations, including FSRs Monitoring for Integrity criteria, and ISO requirements for communications centers. **YES NO ALTERNATE**
- 2.10. All transmissions generated by the proposed FSAS system shall automatically receive a positive acknowledgment per each transmission. If an acknowledgment is not received, the proposed FSAS system shall automatically send the data again for a pre-determined number of attempts (user configurable). If no acknowledgment is received, the system will send an alarm to the CAD and send an audible and visual alarm to each dispatch operator position. **YES NO ALTERNATE**
- 2.11. All transmissions and subsequent acknowledgments shall be time stamped, date stamped, and logged (stored) in the FSAS system database and integrated with the CAD system. **YES NO ALTERNATE**
- 2.12. The proposed FSAS system shall alert the fire stations on two separate, independent communications circuits, each circuit capable of toning the stations and providing all required FSAS system auxiliary functions and capabilities. The FSAS system shall utilize the primary connectivity of Ethernet over IP network and the MECC Fire radio system as a secondary means. **YES NO ALTERNATE**
- 2.13. City wide Pre Alert will precede full alerting. This is currently done manually over the MECC fire radio. The feature should be automated if possible. **YES NO ALTERNATE**
- 2.14. Station alerting (toning) shall be broadcast simultaneously over both communications circuits via IP to the selected fire station(s), and radio citywide. Stations shall be alerted with a single data burst followed by a dispatch voice announcement or text-to-speech announcement to those stations alerted. **YES NO ALTERNATE**



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- 2.15. Both alerting communications circuits shall be monitored automatically. The proposed FSAS system shall automatically self-interrogate each communications circuit (IP) to each fire station to verify connectivity and notify all dispatch operator positions of any loss of connectivity, identifying the stations, and identifying the failed communications circuit. Visual and audible alarm (trouble) signals must alert communications center personnel whenever any component fails.

The audible signal should sound again if an additional fault occurs. The visual signal should be on a dedicated display not used for routine dispatching. **YES NO ALTERNATE**

- 2.16. The remote FSAS system remote access shall also permit FSAS system diagnostics, software configuration, application software uploading and downloading, programming, problem resolution, and system maintenance. Access rights to specific FSAS system features shall be assignable based on the login password. **YES NO ALTERNATE**

- 2.17. All FSAS system activity shall be logged in the FSAS system. All FSAS alarms and events shall be time and date stamped, stored, and available for review and printing. System alarms and events include, but are not limited to, fire , station toning, transmission acknowledgments, CAD failure, station alert failure, station equipment failure, AC power failure, communications circuit failure, system configuration changes, and dispatch operator entries. **YES NO ALTERNATE**

- 2.18. Backup power shall be provided for all FSAS system equipment. The switchover to backup power shall be instant and automatic. If main power is lost, the proposed FSAS system equipment shall automatically switch to backup battery power without loss of data or communications. The backup power shall provide a minimum of one (1) hour operation at all locations. **YES NO ALTERNATE**

- 2.19. Transient voltage surge suppression shall be supplied and installed for protection of all FSAS



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system equipment provided. **YES NO ALTERNATE**

- 2.20. The proposed FSAS system shall automatically reset the fire station FSAS equipment and PA system after each alert in preparation for the next alert. This shall not be a manual function.  
**YES NO ALTERNATE**
- 2.21. An audio relay bypass switch should be installed at each fire station allowing monitoring of "continuous radio traffic" or monitoring "radio traffic ONLY when alerted" through the station speakers. This feature shall al be accessible from a remote PC. **YES NO ALTERNATE**
- 2.22. A "night mode" activation shall automatically switch outside speakers off at 2100 hours and back on at 0700 hours. This shall be adjustable from a remote PC **YES NO ALTERNATE**
- 2.23. The proposed FSAS system shall allow system-wide testing of both primary and secondary components and all communications circuits. **YES NO ALTERNATE**
- 2.24. The proposed FSAS system shall provide CAD generated "Human voice quality" text-to-speech incident voice announcements through the alerted stations' PA system via IP if the fire station's main voice radio is not available. **YES NO ALTERNATE**
- 2.25. The ability to generate standard as well as ad-hoc reports based on logged FSAS system data shall be provided. Describe your systems capabilities. **YES NO ALTERNATE**
- 2.26. The FSAS shall be capable of providing MECC information on 1 bay door position and the ability to open and/or close the door from MECC. **YES NO ALTERNATE**
- 2.27. FSAS system shall incorporate 2 to 3 video dispatch monitor boards in each station providing real time information on the dispatch, what units are assigned to the call and the turn out timer. The locations are to be determined prior to instillation. **YES NO ALTERNATE**



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- 2.28. FSAS system shall utilize low intensity, LED indicating lights in or at each interior speaker location. **YES NO ALTERNATE**
- 2.29. FSAS system shall have an automatic and tamper proof means of accurately capturing apparatus alert times and recording those times for compliance with NFPA standards. Method must be secure and immune to being manipulated by human interference, such as RFID or similar technology. **YES NO ALTERNATE**
- 2.30. FSAS system should have the means of electronically identifying each front line apparatus in regards to turnout timing. **YES NO ALTERNATE**
- 2.31. FSAS system shall provide printed information of the dispatch (rip & Run) via a printer at each station. Printers shall use plain paper. Printers shall be located in an area near the front bay doors. **YES NO ALTERNATE**
- 2.32. FSAS System should incorporate turnout timers near the front apparatus bay doors. **YES NO ALTERNATE**
- 2.33. FSAS System shall have Paging functions with a minimum of one local paging microphone on each floor in each station. **YES NO ALTERNATE**

### 3. DISPATCH OPERATIONS

- 3.1. As previously stated, the MECC operates 5 fire dispatch consoles at the communications center and uses the Nexgen computer aided dispatch (CAD) system for dispatch of all calls for service. As part of this upgrade, the FSAS shall also consist of CAD integration to the FSAS. **YES NO ALTERNATE**
- 3.2. The FSAS system shall provide an interface with the MECC Nexgen CAD system, version allowing the CAD to alert, monitor, and transfer information to/from the proposed fire station alerting system. **YES NO ALTERNATE**
- 3.3. The CAD interface shall support bi- directional packet exchanges between the fire station



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alerting system and the CAD system for both station alerting and receiving and logging diverse station conditions such as AC power failure, time/date stamps of system events/alarms, manual acknowledgments of a call, etc. **YES NO ALTERNATE**

3.4. The FSAS system shall provide all hardware, software, a touch screen monitor, interfaces, and services required to provide backup station alerting at each operator position. The backup station alerting shall provide station toning, auxiliary station functions, and the FSAS system requirements, as listed in these specifications, without CAD input. **YES NO ALTERNATE**

3.5. The backup station alerting shall allow any dispatch operator/supervisor position to have control over the fire station alerting process including live voice announcements, CAD text-to-speech announcements, and text messaging. **YES NO ALTERNATE**

3.6. All GUI software required for backup station alerting shall be available and usable from any existing radio console on its own monitor. **YES NO ALTERNATE**

3.7. Due to limited desktop and cabinet space, additional workstation hardware, monitor, keyboard, mouse, or related equipment at any dispatch operator/supervisor position should be avoided. **YES NO ALTERNATE**

3.8. The FSAS systems interoperability with the Nexgen CAD is mandatory. How does FSAS system achieve this interoperability, and is the system verified CAD?

3.8.1. Each vendor shall include a list of all functions their FSAS system will perform while interfaced with CAD and how they achieve those functions.

3.8.2. Are software/ firmware updates made by CAD system verified in respect to your FSAS interoperability?

**YES NO ALTERNATE**

3.9. The FSAS system shall maintain interoperability with the Nexgen CAD system following all





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Nexgen software/firmware updates. An updates to the FSAS to Nexgen CAD interface required to maintain proper functionality shall be performed at no additional cost to the city/county during the agreed upon service contracted periods. **YES NO ALTERNATE**

3.10. A means of selecting any combination of stations to be alerted shall be provided at each dispatch operator/supervisor position including the ability to select all stations at once ("All Call"). **YES NO ALTERNATE**

3.11. A manual means of selecting any combination of at least eight (8) incident types shall be provided at each dispatch operator/supervisor position for back-up dispatching operations

(EMS Assignment, Motor Vehicle Accident, Motor Vehicle Accident with possible extrication, Vehicle Fire, Building Fire, Wilderness Rescue, and Code Green Assignment). **YES NO ALTERNATE**

3.11.1. The ability to tone out the Volunteer Company if E6 is assigned to a call. **YES NO ALTERNATE**

3.12. Each operator/supervisor position shall receive a visual acknowledgment on the GUI screen that the alerted station(s) received the toning data. **YES NO ALTERNATE**

3.13. The station alerting selections made by one operator shall be displayed at all dispatch operator/supervisor positions. Each dispatch operator position shall see the real-time station alerting status of all other positions. **YES NO ALTERNATE**

3.14. The FSAS p dispatch system shall notify all dispatch operator/supervisor positions if there is a system alarm condition. The system shall at a minimum display and identify the following alarms on all dispatch operator screens the following alarms:

3.14.1. Failure to alert a station(s).

3.14.2. FSAS system server failure.

3.14.3. Failure of the fire station alerting equipment at any fire station.

3.14.4. Communications center and fire station alerting equipment AC power failure and



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revert to backup battery.

3.14.5. Failure of any communications circuit, radio and/or IP, and identification of the failed circuit.

3.14.6. Failure to communicate with CAD.

3.14.7. **YES NO ALTERNATE**

3.15. List all system alarm conditions which your FSAS system can display and support. **YES NO ALTERNATE**

3.16. The FSAS system shall be able to automatically alert cell phones, send emails, and/or send text messages to designated personnel for specific level of alarms (fire in a building, wilderness rescue, hazmat response ect.), or should the system go into a failure alarm (provide a a description of the system alarm and/or failures. **YES NO ALTERNATE**

#### 4. LIGHTING

4.1. The FSAS system shall be capable of variable color LED lighting and alert audio (tones and voice announcements). The vendor should provide appropriate speakers, emergency LED lighting, controls, cabling, conduit, and complete installation services to establish the zoning required for the station. **YES NO ALTERNATE**

4.2. The system shall be capable of supporting lighting capable of ramping, flashing, dimming, and holding intensity based on the various sequences specified by the MFD. The LED lighting color and functions (flashing, dimming, etc.) shall be based on sequences received from the fire station alerting equipment and/or the Zone Selector Switches. The LED lighting locations shall be identified in each vendors design. **YES NO ALTERNATE**

4.3. Any vendor provided lighting should be expandable by simply connecting an extra LED module strip, with a male-female end connector, to the existing LED strip. **YES NO ALTERNATE**



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- 4.4. Common Area Alerting Lighting shall meet or exceed the capabilities of an RGB light bar of at least 20" length by .69" wide and .45" height, mountable to ceiling or wall. Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption (or similar). The Alerting Lighting shall have a minimum beam angle of 120°. No lighting is required for the offices of C1, C2, and C3. **YES NO ALTERNATE**
- 4.5. Bay Area Lighting shall meet or exceed the capabilities of an RGB light bar of at least 2 light bars 40" length by .69" wide and .45" height each, mounted on an aluminum fixture mirrored and angled to allow a viewing angle of a minimum of 175° (or similar). Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption. **YES NO ALTERNATE**
- 4.6. Large Bunkroom Lighting shall meet or exceed the capabilities of an RGB light bar of at least 10" length by .69" wide and .45" height, mountable to ceiling or wall. Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption. The Alerting Lighting shall have a minimum beam angle of 120°. **YES NO ALTERNATE**
- 4.7. Smaller bunk rooms (independent rooms) shall have lighting commensurate to the size of the room. **YES NO ALTERNATE**
- 5. SPEAKERS:** The speakers installed for use on the system shall meet the following minimum specifications.
- 5.1. Where equipped or designated to be equipped, outdoor speakers shall be an amplified, horn type loudspeaker rated at a minimum of 15 watts. **YES NO ALTERNATE**
- 5.2. Where equipped or designated to be equipped, outdoor speakers should be weatherproof with a double re-entrant type design. **YES NO ALTERNATE**



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- 5.3. Outdoor speakers are capable of a frequency response of 400-6000Hz. **YES NO ALTERNATE**
- 5.4. Sound pressure level shall be 103 dB measured at 1 watt at 1 meter. **YES NO ALTERNATE**
- 5.5. The outdoor speakers provided by the vendor shall all be equipped with a 25/70 volt transformer having impedance selection via a seven- position switch. The unit shall have power taps of .5, 1, 2, 4 & 8 on 25 V Line, and 1, 2, 4, 8 & 15 on 70 V line. **YES NO ALTERNATE**
- 5.6. Outdoor speaker brackets provided by the vendor shall be a multi-position surface mounting bracket allowing for adjustment on the vertical and horizontal planes. The bracket shall be constructed of high-impact plastic or powder coated metal. **YES NO ALTERNATE**
- 5.7. Outdoor speakers shall be programmed to go silent at 2100 hours and activate at 0630 hours. This shall be programmable via PC **YES NO ALTERNATE**
- 5.8. Vendor provided indoor speakers shall be capable of being flush or surface mounted in a color acceptable to the owner. **YES NO ALTERNATE**
- 5.8.1. Speakers mounted in offices of C1, C2, C3, shall have wall mounted volume selection controls **YES NO ALTERNATE**
- 5.9. Vendor provided indoor speakers shall have a minimum frequency response of 45 Hz-19 KHz (nominal). Sensitivity shall be 97dB at 1 watt at 1 meter. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO ALTERNATE**
- 5.10. Ambient noise sensors shall be installed in the apparatus bay areas. These sensors shall automatically adjust speaker volume to ensure critical audio alerts are heard. **YES NO**



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### **ALTERNATE**

- 5.11. Vendor provided indoor speakers shall include a factory installed CRS baffle with center-mounted volume control. The volume control knob shall be removable allowing only a screwdriver volume adjustment. Vendors may suggest an alternate style, but should indicate how the substituted model volume can be individually set. **YES NO**

### **ALTERNATE**

- 5.12. The bay speakers shall be no larger than 15.75 in. high x 11.5 in. wide x 8.75 in. deep. The net weight shall be no more than 16 lb. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO**

### **ALTERNATE**

- 5.13. The bay speakers shall provide 175 watts long term and 700 watts short term RMS power capacity with a shaped random noise input per ANSI/EIA RS- 426-A 1980. **YES NO**

### **ALTERNATE**

- 5.14. The system shall be capable of producing average sound levels in excess of 114 dB in the long term, and short-term peaks of 120dB. **YES NO ALTERNATE**

- 5.15. Vendor provided speaker system shall use a passive crossover- equalization network with protection for the high-frequency driver. The crossover frequency shall be 2,200 Hz, nominal impedance of 8 ohms, and minimum impedance of 7.2 ohms. Frequency response shall be 65Hz to 20,000 Hz, -3dB. Sensitivity shall be 92 dB SPL at 1 meter with a 1-watt, 300-2,000Hz. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO ALTERNATE**

## **6. System Grounding**

- 6.1. FSAS system shall be grounded and bonded to NFPA 70 and 1221 standards. **YES NO ALTERNATE**



## **7. Network, Cabling, and Testing**

- 7.1. All cabling shall be new and shall be installed according to the current EIA/TIA standard. Cabling may be run in cable tray or J hooks above accessible ceilings. All cabling installed in open areas shall be installed in either a cable tray, conduit or approved surface mounted raceway. **YES NO ALTERNATE**
- 7.2. All cabling installed shall be labeled and meeting the current ANSI TIA 606 B standard. **YES NO ALTERNATE**
- 7.3. All installations shall include as-built drawings showing the locations of devices, pathways of cabling, and associated labeling designation. **YES NO ALTERNATE**
- 7.4. All installations shall include a labeling schedule for all devices and cables installed. **YES NO ALTERNATE**
- 7.5. FSAS system shall be tested per NFPA guidelines. Final test procedure will be agreed upon between Vendor and County prior to work commencing. **YES NO ALTERNATE**
- 7.6. All system design, installation, and testing personnel must be trained and certified to do such work. Vendor shall supply the County copies of personnel credentials prior to work commencing. **YES NO ALTERNATE**

### **Option 1 Staff Offices**

Separate pricing for system speakers in staff officers at HQ. Ability to monitor Radio traffic....

### **Option 2 Camera and Door Bell control**

An integrated Camera, doorbell and microphone system for each door at each station. Two Video feed locations to be determined prior to installation. Additional video feed for Headquarters station at administrations desk in Headquarters.



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Cost Proposal Format

Sealed Cost Proposal for Meriden Fire Department Fire Station Alerting (FSAS)

Date:

*Vendor Legal Name Vendor Street Address*

*Vendor City, State and Zip Code*

Brief description of vendor's proposal

Cost breakdown by facility

**Vendors Lump Sum Total Cost as proposed** \$ 0,000.00

**Cost Per Station Breakout**

**Station 3 Headquarters**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Optional cost of speakers and controls in Administrative offices	\$ 0,000.00	
<b>Complete Price as Proposed</b>		<b>\$ 0,000.00</b>

**Station 1**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Training Office (speaker only)		
Demo of Existing System	\$ 0,000.00	
<b>Complete Price as Proposed</b>		<b>\$ 0,000.00</b>

**Station 2**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
<b>Complete Price as Proposed</b>		<b>\$ 0,000.00</b>



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**Station 4**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**Station 5**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**Station 6**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**MECC**

Base FSAS System Cost 5 Consoles	\$ 0,000.00	
Instillation	\$ 0,000.00	
Programming	\$ 0,000.00	
Demo of old system		
Complete Price as Proposed		\$ 0,000.00

*List breakout cost for all station and communications centers as show above. Show itemized list of components and quantities used in each facility on separate sheets attached to your cost sheet.*

ANNUAL or Re-Occurring Cost

Annual or ongoing costs	\$ 0,000.00	\$ 0,000.00
Increase for future years	\$ 0,000.00	\$ 0,000.00
Estimate 10 year cost		\$ 0,000.00





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### Extended Warranty Cost

Year 3-5	Yearly Cost	\$ 0,000.00	
	Total cost		\$ 0,000.00
Year 6-10	Yearly Cost	\$ 0,000.00	
	Total cost		\$ 0,000.00

**Vendor estimated installation time to complete project.**

**Proposal signature:** *must be signed by an authorized agent of company*

**Date:**

**PROPOSAL FORM**

**RFP024-21  
FIRE STATION ALERTING SYSTEM**

Date of Opening: December 1, 2023  
At 11:00 AM

To: Rawle Dummett  
Purchasing Officer  
142 East Main Street, Room 210  
Meriden, CT 06450

The undersigned \_\_\_\_\_, doing business in the City/Town of \_\_\_\_\_, in the State of \_\_\_\_\_, herewith, after reading thoroughly the Specifications and other Proposal documents (including if any addendum or addenda) submit the following proposal:

**PLEASE COMPLETE AND INCLUDE PAGES 8-26 of the  
GENERAL REQUIREMENTS ALONG WITH YOUR PROPOSAL FIGURES**

-----  
Receipt of Addenda is acknowledged:

No: \_\_\_\_\_ Dated: \_\_\_\_\_

No: \_\_\_\_\_ Dated: \_\_\_\_\_

NAME OF PROPOSER \_\_\_\_\_

ADDRESS \_\_\_\_\_

BY: \_\_\_\_\_  
Print or type name Title

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ E-Mail \_\_\_\_\_

-----  
PLEASE NOTE: All spaces must be filled in with figures or words or your proposal may be automatically rejected.



## 1. GENERAL REQUIREMENTS

- 1.1. The vendor shall provide a "turnkey" Fire Station Alerting system including the system design, all necessary equipment and software, programming, installation, system configuration, system start-up, testing, final acceptance, and training. This will include approval from the City Information Technology Department to ensure that all networking hardware and other IP devices are compatible and redundant with the current City Infrastructure. **YES NO ALTERNATE**
- 1.2. FSAS system shall be a complete replacement of current system including PA system, speakers, microphones, and associated cabling. **YES NO ALTERNATE**
- 1.3. It is the responsibility of the vendor to provide a minimum two (2) year parts & labor warranty, inclusive of lightning and surge damage, commencing on the date of final acceptance as defined by the MFD. **YES NO ALTERNATE**
- 1.1. An optional extended warranty program, covering year's three (3) through five (5), shall be provided with this response. **Pricing for each year of the maintenance program shall be included in the response.** The agreement shall provide the same coverage as the initial warranty plus backup battery replacement. **YES NO ALTERNATE**
- 1.2. An optional extended warranty program, covering year's six (6) through ten (10), shall be provided with this response. **Pricing for each year of the maintenance program shall be included in the response.** The agreement shall provide the same coverage as the initial warranty plus backup battery replacement. **YES NO ALTERNATE**
- 1.3. During the first two (2) years. The warranty and maintenance agreements shall provide a four (4) hour or less on-site response time for critical emergencies. City of Meriden has the final say on defining what constitutes a critical emergency. The City and Vendor shall agree to items defined as emergency prior to acceptance of system. Examples would include but are not limited to system hardware failure at MECC or at a fire station. **YES NO ALTERNATE**



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- 1.4. The vendor shall provide Technical Support and a Customer Support Hotline available to MECC and the MFD, 24 hours per day, 7 days a week, and 365 days per year during the warranty period(s). **YES NO ALTERNATE**
- 1.5. The vendor shall be able to provide on-site services within 24 hours for the purpose of fire station alerting system problems that are NOT of a critical nature. **YES NO ALTERNATE**
- 1.6. The vendor shall have a local trained and certified service technician available to respond to system problems for the duration of the agreed upon warranty and service contract periods. **YES NO ALTERNATE**
- 1.7. The vendor shall replace/relocate all existing equipment and associated cabling within the stations to bring all stations into compliance with current NFPA 1221 standard. Existing equipment may include, but not be limited to, station PA systems (including speakers and wiring), station printers, etc. Location to be determined prior to construction. **YES NO ALTERNATE**
- 1.8. The proposed FSAS system shall be implemented without interruption or downtime to the current ZETRON system. Current FSAS shall remain operational until new FSAS obtains final acceptance. **YES NO ALTERNATE**
- 1.9. The proposed FSAS system shall accommodate 6 fire stations and 5 fire dispatch positions at the MECC center and be expandable to accommodate 10 fire stations and 8 fire dispatch positions at each MECC center. Up to 5 dispatch positions shall be able to alert fire stations via IP network concurrently. **YES NO ALTERNATE**
- 1.10. The system shall provide for computerized voice readout of alerts, alarms, and dispatch information into the stations. Any computerized voice shall be clear and enunciate streets and



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information accurately with regional dialect. The voice may be synthesized or pre-recorded.

**YES NO ALTERNATE**

1.11. The Prime vendor shall submit a list of all sub-contractors to be used including company name, address, phone number, and contact person responsible to the vendor for this project.

Clearly state the work each sub- contractor will perform. **YES NO**

**ALTERNATE**

1.12. The Prime vendor and all sub-contractors shall have all required licenses to work in the State of Connecticut, and the City of Meriden at time of installation and throughout the warranty period. **YES NO ALTERNATE**

1.13. Training shall be provided for the MECC dispatch personnel, for radio communications maintenance personnel, IT network personnel (Meriden Police Department IT & City of Meriden IT), and MFD personnel. **YES NO ALTERNATE**

1.14. The vendor shall provide a description of the on-site training to be provided along with the number of training hours per training group. The training program shall be explained in detail. **YES NO ALTERNATE**

## **2. FIRE STATION ALERTING**

2.1. The proposed FSAS system shall provide a flexible and modular design which supports easy system expansion as well as current and future technologies. The FSAS system equipment shall be modular allowing the replacement of components such as, but not limited to, the power supply, processor board, input/output boards, audio interface, backup battery and radio without replacing the entire unit. **YES NO ALTERNATE**

2.2. The successful vendor shall stock an inventory of replacement parts and components of the proposed FSAS system that are "critical components" to their respective systems operations. Components shall be stock at an agreed upon city facility or at vendors local shop to allow for timely replacement during warranty and/or service agreement periods.



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List the critical components in your system. **YES NO ALTERNATE**

2.3. The proposed FSAS system shall support MECC future needs through cost effective expansions of hardware and upgrades to software without having to replace the FSAS system or its components. **YES NO ALTERNATE**

2.4. The proposed FSAS system shall provide redundancy. **YES NO ALTERNATE**

2.4.1. Please provide a description of the proposed system redundancy and how the loss of a system component will not prevent the stations from receiving an alert.

2.5. The proposed FSAS system shall provide secure communications including over the air security. **YES NO ALTERNATE**

2.5.1. Please provide a description of the proposed FSAS system security measures.

2.6. Ramped ("Heart-Saver") alert tones shall be provided. The volume level and ramp duration shall be user configurable. **YES NO ALTERNATE**

2.7. The alert tones shall be customized to meet the requirements of MECC and the MFD. They shall be capable of combining tone and recorded voice using .wav files, .mp3 files, or .wma files. Distinctive tones shall be provided for station alerting for general messages, single unit responses, two unit responses, and full assignments (more than 2 units). **YES NO ALTERNATE**

2.8. Stations shall be independently alerted, or may be alerted in groups based on CAD dispatch information. There must be a provision to manually activate alerts. Station alerting for alarms must be automated based on CAD recommendations. The proposed fire station alerting equipment shall interface with new station PA equipment (amplifiers, cabling, and speakers) provided in this proposal. Each level of the station must have



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access to the PA feature. **YES NO ALTERNATE**

- 2.9. The proposed FSAS system shall meet or exceed the current NFPA 1221 recommendations, including FSRS Monitoring for Integrity criteria, and ISO requirements for communications centers. **YES NO ALTERNATE**
- 2.10. All transmissions generated by the proposed FSAS system shall automatically receive a positive acknowledgment per each transmission. If an acknowledgment is not received, the proposed FSAS system shall automatically send the data again for a pre-determined number of attempts (user configurable). If no acknowledgment is received, the system will send an alarm to the CAD and send an audible and visual alarm to each dispatch operator position. **YES NO ALTERNATE**
- 2.11. All transmissions and subsequent acknowledgments shall be time stamped, date stamped, and logged (stored) in the FSAS system database and integrated with the CAD system. **YES NO ALTERNATE**
- 2.12. The proposed FSAS system shall alert the fire stations on two separate, independent communications circuits, each circuit capable of toning the stations and providing all required FSAS system auxiliary functions and capabilities. The FSAS system shall utilize the primary connectivity of Ethernet over IP network and the MECC Fire radio system as a secondary means. **YES NO ALTERNATE**
- 2.13. City wide Pre Alert will precede full alerting. This is currently done manually over the MECC fire radio. The feature should be automated if possible. **YES NO ALTERNATE**
- 2.14. Station alerting (toning) shall be broadcast simultaneously over both communications circuits via IP to the selected fire station(s), and radio citywide. Stations shall be alerted with a single data burst followed by a dispatch voice announcement or text-to-speech announcement to those stations alerted. **YES NO ALTERNATE**





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- 2.15. Both alerting communications circuits shall be monitored automatically. The proposed FSAS system shall automatically self-interrogate each communications circuit (IP) to each fire station to verify connectivity and notify all dispatch operator positions of any loss of connectivity, identifying the stations, and identifying the failed communications circuit. Visual and audible alarm (trouble) signals must alert communications center personnel whenever any component fails.

The audible signal should sound again if an additional fault occurs. The visual signal should be on a dedicated display not used for routine dispatching. **YES NO ALTERNATE**

- 2.16. The remote FSAS system remote access shall also permit FSAS system diagnostics, software configuration, application software uploading and downloading, programming, problem resolution, and system maintenance. Access rights to specific FSAS system features shall be assignable based on the login password. **YES NO ALTERNATE**

- 2.17. All FSAS system activity shall be logged in the FSAS system. All FSAS alarms and events shall be time and date stamped, stored, and available for review and printing. System alarms and events include, but are not limited to, fire , station toning, transmission acknowledgments, CAD failure, station alert failure, station equipment failure, AC power failure, communications circuit failure, system configuration changes, and dispatch operator entries. **YES NO ALTERNATE**

- 2.18. Backup power shall be provided for all FSAS system equipment. The switchover to backup power shall be instant and automatic. If main power is lost, the proposed FSAS system equipment shall automatically switch to backup battery power without loss of data or communications. The backup power shall provide a minimum of one (1) hour operation at all locations. **YES NO ALTERNATE**

- 2.19. Transient voltage surge suppression shall be supplied and installed for protection of all FSAS



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system equipment provided. **YES NO ALTERNATE**

- 2.20. The proposed FSAS system shall automatically reset the fire station FSAS equipment and PA system after each alert in preparation for the next alert. This shall not be a manual function.  
**YES NO ALTERNATE**
- 2.21. An audio relay bypass switch should be installed at each fire station allowing monitoring of "continuous radio traffic" or monitoring "radio traffic ONLY when alerted" through the station speakers. This feature shall al be accessible from a remote PC. **YES NO ALTERNATE**
- 2.22. A "night mode" activation shall automatically switch outside speakers off at 2100 hours and back on at 0700 hours. This shall be adjustable from a remote PC **YES NO ALTERNATE**
- 2.23. The proposed FSAS system shall allow system-wide testing of both primary and secondary components and all communications circuits. **YES NO ALTERNATE**
- 2.24. The proposed FSAS system shall provide CAD generated "Human voice quality" text-to-speech incident voice announcements through the alerted stations' PA system via IP if the fire station's main voice radio is not available. **YES NO ALTERNATE**
- 2.25. The ability to generate standard as well as ad-hoc reports based on logged FSAS system data shall be provided. Describe your systems capabilities. **YES NO ALTERNATE**
- 2.26. The FSAS shall be capable of providing MECC information on 1 bay door position and the ability to open and/or close the door from MECC. **YES NO ALTERNATE**
- 2.27. FSAS system shall incorporate 2 to 3 video dispatch monitor boards in each station providing real time information on the dispatch, what units are assigned to the call and the turn out timer. The locations are to be determined prior to instillation. **YES NO ALTERNATE**



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- 2.28. FSAS system shall utilize low intensity, LED indicating lights in or at each interior speaker location. **YES NO ALTERNATE**
- 2.29. FSAS system shall have an automatic and tamper proof means of accurately capturing apparatus alert times and recording those times for compliance with NFPA standards. Method must be secure and immune to being manipulated by human interference, such as RFID or similar technology. **YES NO ALTERNATE**
- 2.30. FSAS system should have the means of electronically identifying each front line apparatus in regards to turnout timing. **YES NO ALTERNATE**
- 2.31. FSAS system shall provide printed information of the dispatch (rip & Run) via a printer at each station. Printers shall use plain paper. Printers shall be located in an area near the front bay doors. **YES NO ALTERNATE**
- 2.32. FSAS System should incorporate turnout timers near the front apparatus bay doors. **YES NO ALTERNATE**
- 2.33. FSAS System shall have Paging functions with a minimum of one local paging microphone on each floor in each station. **YES NO ALTERNATE**

### 3. DISPATCH OPERATIONS

- 3.1. As previously stated, the MECC operates 5 fire dispatch consoles at the communications center and uses the Nexgen computer aided dispatch (CAD) system for dispatch of all calls for service. As part of this upgrade, the FSAS shall also consist of CAD integration to the FSAS. **YES NO ALTERNATE**
- 3.2. The FSAS system shall provide an interface with the MECC Nexgen CAD system, version allowing the CAD to alert, monitor, and transfer information to/from the proposed fire station alerting system. **YES NO ALTERNATE**
- 3.3. The CAD interface shall support bi- directional packet exchanges between the fire station



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alerting system and the CAD system for both station alerting and receiving and logging diverse station conditions such as AC power failure, time/date stamps of system events/alarms, manual acknowledgments of a call, etc. **YES NO ALTERNATE**

- 3.4. The FSAS system shall provide all hardware, software, a touch screen monitor, interfaces, and services required to provide backup station alerting at each operator position. The backup station alerting shall provide station toning, auxiliary station functions, and the FSAS system requirements, as listed in these specifications, without CAD input. **YES NO ALTERNATE**
- 3.5. The backup station alerting shall allow any dispatch operator/supervisor position to have control over the fire station alerting process including live voice announcements, CAD text-to-speech announcements, and text messaging. **YES NO ALTERNATE**
- 3.6. All GUI software required for backup station alerting shall be available and usable from any existing radio console on its own monitor. **YES NO ALTERNATE**
- 3.7. Due to limited desktop and cabinet space, additional workstation hardware, monitor, keyboard, mouse, or related equipment at any dispatch operator/supervisor position should be avoided. **YES NO ALTERNATE**
- 3.8. The FSAS systems interoperability with the Nexgen CAD is mandatory. How does FSAS system achieve this interoperability, and is the system verified CAD?
- 3.8.1. Each vendor shall include a list of all functions their FSAS system will perform while interfaced with CAD and how they achieve those functions.
- 3.8.2. Are software/ firmware updates made by CAD system verified in respect to your FSAS interoperability?

**YES NO ALTERNATE**

- 3.9. The FSAS system shall maintain interoperability with the Nexgen CAD system following all



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Nexgen software/firmware updates. An updates to the FSAS to Nexgen CAD interface required to maintain proper functionality shall be performed at no additional cost to the city/county during the agreed upon service contracted periods. **YES NO ALTERNATE**

3.10. A means of selecting any combination of stations to be alerted shall be provided at each dispatch operator/supervisor position including the ability to select all stations at once ("All Call"). **YES NO ALTERNATE**

3.11. A manual means of selecting any combination of at least eight (8) incident types shall be provided at each dispatch operator/supervisor position for back-up dispatching operations

(EMS Assignment, Motor Vehicle Accident, Motor Vehicle Accident with possible extrication, Vehicle Fire, Building Fire, Wilderness Rescue, and Code Green Assignment). **YES NO ALTERNATE**

3.11.1. The ability to tone out the Volunteer Company if E6 is assigned to a call. **YES NO ALTERNATE**

3.12. Each operator/supervisor position shall receive a visual acknowledgment on the GUI screen that the alerted station(s) received the toning data. **YES NO ALTERNATE**

3.13. The station alerting selections made by one operator shall be displayed at all dispatch operator/supervisor positions. Each dispatch operator position shall see the real-time station alerting status of all other positions. **YES NO ALTERNATE**

3.14. The FSAS p dispatch system shall notify all dispatch operator/supervisor positions if there is a system alarm condition. The system shall at a minimum display and identify the following alarms on all dispatch operator screens the following alarms:

3.14.1. Failure to alert a station(s).

3.14.2. FSAS system server failure.

3.14.3. Failure of the fire station alerting equipment at any fire station.

3.14.4. Communications center and fire station alerting equipment AC power failure and



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revert to backup battery.

3.14.5. Failure of any communications circuit, radio and/or IP, and identification of the failed circuit.

3.14.6. Failure to communicate with CAD.

3.14.7. **YES NO ALTERNATE**

3.15. List all system alarm conditions which your FSAS system can display and support. **YES NO ALTERNATE**

3.16. The FSAS system shall be able to automatically alert cell phones, send emails, and/or send text messages to designated personnel for specific level of alarms (fire in a building, wilderness rescue, hazmat response ect.), or should the system go into a failure alarm (provide a a description of the system alarm and/or failures. **YES NO ALTERNATE**

### 4. LIGHTING

4.1. The FSAS system shall be capable of variable color LED lighting and alert audio (tones and voice announcements). The vendor should provide appropriate speakers, emergency LED lighting, controls, cabling, conduit, and complete installation services to establish the zoning required for the station. **YES NO ALTERNATE**

4.2. The system shall be capable of supporting lighting capable of ramping, flashing, dimming, and holding intensity based on the various sequences specified by the MFD. The LED lighting color and functions (flashing, dimming, etc.) shall be based on sequences received from the fire station alerting equipment and/or the Zone Selector Switches. The LED lighting locations shall be identified in each vendors design. **YES NO ALTERNATE**

4.3. Any vendor provided lighting should be expandable by simply connecting an extra LED module strip, with a male-female end connector, to the existing LED strip. **YES NO ALTERNATE**



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- 4.4. Common Area Alerting Lighting shall meet or exceed the capabilities of an RGB light bar of at least 20" length by .69" wide and .45" height, mountable to ceiling or wall. Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption (or similar). The Alerting Lighting shall have a minimum beam angle of 120°. No lighting is required for the offices of C1, C2, and C3. **YES NO ALTERNATE**
- 4.5. Bay Area Lighting shall meet or exceed the capabilities of an RGB light bar of at least 2 light bars 40" length by .69" wide and .45" height each, mounted on an aluminum fixture mirrored and angled to allow a viewing angle of a minimum of 175° (or similar). Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption. **YES NO ALTERNATE**
- 4.6. Large Bunkroom Lighting shall meet or exceed the capabilities of an RGB light bar of at least 10" length by .69" wide and .45" height, mountable to ceiling or wall. Minimum twelve RGB LED's per 10", maximum 3.6W per ft. power consumption. The Alerting Lighting shall have a minimum beam angle of 120°. **YES NO ALTERNATE**
- 4.7. Smaller bunk rooms (independent rooms) shall have lighting commensurate to the size of the room. **YES NO ALTERNATE**
5. **SPEAKERS:** The speakers installed for use on the system shall meet the following minimum specifications.
- 5.1. Where equipped or designated to be equipped, outdoor speakers shall be an amplified, horn type loudspeaker rated at a minimum of 15 watts. **YES NO ALTERNATE**
- 5.2. Where equipped or designated to be equipped, outdoor speakers should be weatherproof with a double re-entrant type design. **YES NO ALTERNATE**



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- 5.3. Outdoor speakers are capable of a frequency response of 400-6000Hz. **YES NO ALTERNATE**
- 5.4. Sound pressure level shall be 103 dB measured at 1 watt at 1 meter. **YES NO ALTERNATE**
- 5.5. The outdoor speakers provided by the vendor shall all be equipped with a 25/70 volt transformer having impedance selection via a seven- position switch. The unit shall have power taps of .5, 1, 2, 4 & 8 on 25 V Line, and 1, 2, 4, 8 & 15 on 70 V line. **YES NO ALTERNATE**
- 5.6. Outdoor speaker brackets provided by the vendor shall be a multi-position surface mounting bracket allowing for adjustment on the vertical and horizontal planes. The bracket shall be constructed of high-impact plastic or powder coated metal. **YES NO ALTERNATE**
- 5.7. Outdoor speakers shall be programmed to go silent at 2100 hours and activate at 0630 hours. This shall be programmable via PC **YES NO ALTERNATE**
- 5.8. Vendor provided indoor speakers shall be capable of being flush or surface mounted in a color acceptable to the owner. **YES NO ALTERNATE**
- 5.8.1. Speakers mounted in offices of C1, C2, C3, shall have wall mounted volume selection controls **YES NO ALTERNATE**
- 5.9. Vendor provided indoor speakers shall have a minimum frequency response of 45 Hz-19 KHz (nominal). Sensitivity shall be 97dB at 1 watt at 1 meter. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO ALTERNATE**
- 5.10. Ambient noise sensors shall be installed in the apparatus bay areas. These sensors shall automatically adjust speaker volume to ensure critical audio alerts are heard. **YES NO**





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### **ALTERNATE**

- 5.11. Vendor provided indoor speakers shall include a factory installed CRS baffle with center-mounted volume control. The volume control knob shall be removable allowing only a screwdriver volume adjustment. Vendors may suggest an alternate style, but should indicate how the substituted model volume can be individually set. **YES NO**

### **ALTERNATE**

- 5.12. The bay speakers shall be no larger than 15.75 in. high x 11.5 in. wide x 8.75 in. deep. The net weight shall be no more than 16 lb. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO**

### **ALTERNATE**

- 5.13. The bay speakers shall provide 175 watts long term and 700 watts short term RMS power capacity with a shaped random noise input per ANSI/EIA RS- 426-A 1980. **YES NO**

### **ALTERNATE**

- 5.14. The system shall be capable of producing average sound levels in excess of 114 dB in the long term, and short-term peaks of 120dB. **YES NO ALTERNATE**

- 5.15. Vendor provided speaker system shall use a passive crossover- equalization network with protection for the high-frequency driver. The crossover frequency shall be 2,200 Hz, nominal impedance of 8 ohms, and minimum impedance of 7.2 ohms. Frequency response shall be 65Hz to 20,000 Hz, -3dB. Sensitivity shall be 92 dB SPL at 1 meter with a 1-watt, 300-2,000Hz. Vendors may suggest an alternate model, but should indicate how the substituted model will perform better. **YES NO ALTERNATE**

## **6. System Grounding**

- 6.1. FSAS system shall be grounded and bonded to NFPA 70 and 1221 standards. **YES NO ALTERNATE**



## **7. Network, Cabling, and Testing**

- 7.1. All cabling shall be new and shall be installed according to the current EIA/TIA standard. Cabling may be run in cable tray or J hooks above accessible ceilings. All cabling installed in open areas shall be installed in either a cable tray, conduit or approved surface mounted raceway. **YES NO ALTERNATE**
- 7.2. All cabling installed shall be labeled and meeting the current ANSI TIA 606 B standard. **YES NO ALTERNATE**
- 7.3. All installations shall include as-built drawings showing the locations of devices, pathways of cabling, and associated labeling designation. **YES NO ALTERNATE**
- 7.4. All installations shall include a labeling schedule for all devices and cables installed. **YES NO ALTERNATE**
- 7.5. FSAS system shall be tested per NFPA guidelines. Final test procedure will be agreed upon between Vendor and County prior to work commencing. **YES NO ALTERNATE**
- 7.6. All system design, installation, and testing personnel must be trained and certified to do such work. Vendor shall supply the County copies of personnel credentials prior to work commencing. **YES NO ALTERNATE**

### **Option 1 Staff Offices**

Separate pricing for system speakers in staff offices at HQ. Ability to monitor Radio traffic....

### **Option 2 Camera and Door Bell control**

An integrated Camera, doorbell and microphone system for each door at each station. Two Video feed locations to be determined prior to installation. Additional video feed for Headquarters station at administrations desk in Headquarters.



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Cost Proposal Format

Sealed Cost Proposal for Meriden Fire Department Fire Station Alerting (FSAS)

Date:

Vendor Legal Name Vendor Street Address

Vendor City, State and Zip Code

Brief description of vendor's proposal

Cost breakdown by facility

Vendors Lump Sum Total Cost as proposed \$ 0,000.00

Cost Per Station Breakout

Station 3 Headquarters

Table with 2 columns: Description, Cost. Rows include Base FSAS System Cost, Instillation, Demo of Existing System, Optional cost of speakers and controls in Administrative offices, and Complete Price as Proposed.

Station 1

Table with 2 columns: Description, Cost. Rows include Base FSAS System Cost, Instillation, Training Office (speaker only), Demo of Existing System, and Complete Price as Proposed.

Station 2

Table with 2 columns: Description, Cost. Rows include Base FSAS System Cost, Instillation, Demo of Existing System, and Complete Price as Proposed.



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**Station 4**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**Station 5**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**Station 6**

Base FSAS System Cost	\$ 0,000.00	
Instillation	\$ 0,000.00	
Demo of Existing System	\$ 0,000.00	
Complete Price as Proposed		\$ 0,000.00

**MECC**

Base FSAS System Cost 5 Consoles	\$ 0,000.00	
Instillation	\$ 0,000.00	
Programming	\$ 0,000.00	
Demo of old system		
Complete Price as Proposed		\$ 0,000.00

***List breakout cost for all station and communications centers as show above. Show itemized list of components and quantities used in each facility on separate sheets attached to your cost sheet.***

ANNUAL or Re-Occurring Cost

Annual or ongoing costs	\$ 0,000.00	\$ 0,000.00
Increase for future years	\$ 0,000.00	\$ 0,000.00
Estimate 10 year cost		\$ 0,000.00



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### Extended Warranty Cost

Year 3-5	Yearly Cost	\$ 0,000.00	
	Total cost		\$ 0,000.00
Year 6-10	Yearly Cost	\$ 0,000.00	
	Total cost		\$ 0,000.00

**Vendor estimated installation time to complete project.**

**Proposal signature:** *must be signed by an authorized agent of company*

**Date:**

## AGREEMENT FOR PROFESSIONAL SERVICES

This Agreement, made on this \_\_\_\_\_ day of November 2023, by and between the City of Meriden, 142 East Main Street, Meriden, CT 06450 hereinafter referred to as the “City” and \_\_\_\_\_, hereinafter referred to as the “Consultant”.

### **WITNESSETH:**

WHEREAS, the City of Meriden requires professional consultant services, and;

WHEREAS, the Consultant represents that he/she has the requisite experience to perform said services.

NOW, THEREFORE, the City and the Consultant, for considerations hereinafter set forth agree as follows:

1. Work shall comply with the scope of work and schedule as noted in Attachment A.
2. The cost for services provided are as set forth in Attachments A and shall constitute the entire basis for payment for the work specified, including all incidental work, all labor, materials, equipment, and all other costs necessary to fulfill the requisites of this service.

### **3. Designation of Gender:**

All words used herein in the singular shall extend to and include the plural. All words used in the plural number shall extend to and include the singular. All words used in any gender shall extend to and include all genders.

### **4. Miscellaneous Requirements:**

- 4.1 The Consultant shall be responsible for the work and presentation to the City and others.
- 4.2 The Consultant shall be required to attend meetings and give reports to the City, or others, at the place and time directed by the City.
- 4.3 The Consultant shall consult with the City’s staff to ascertain the requirements of the project and inform himself as to specific conditions that might affect his completing the work or the hours or season of its execution, such as use of adjacent areas, interruptions to operations, and any other information as required.
- 4.4 The Consultant covenants and agrees that he shall perform his services under this contract in accordance with the standards and practices of her profession.
- 4.5 Should the Consultant require the services of a sub-consultant at any time during the term of this contract, their names and qualifications shall be submitted to the City for approval. This approval, in no way, obligates the City to be responsible for payment.
- 4.6 Should the Consultant encounter difficulties beyond their control that may delay the completion of the project or any part thereof, the City is to be immediately notified in writing. This notification

shall document the specific reasons for the delay and any attempts the firm has made to overcome such delays. A significant backlog of work, changes in staff, or other similar reasons, will not be considered as acceptable reasons for granting any extension necessary to preclude a breach of contractual obligations. The City shall be the sole judge of the validity of any time extension, and if it is found that the firm has not diligently pursued and documented all available methods to overcome the delay, no extension of time shall be granted. Payment for any overtime work required to overcome any possible delays shall not be made by the City, unless it is determined to be in the best interest of the City.

**5. Fee and Payment:**

The cost for services provided for in this project are set forth in the Attachment A and shall constitute the entire basis for payment for the work specified including all incidental work, all labor, materials, equipment, studies, preparing the report, outside services, reviewing existing data, meetings, transportation, overhead, clerical personnel, and any and all other costs necessary to fulfill the requirements of this service. The Consultant has provided a breakdown of the lump sum cost which includes all items of work and incidental activities so partial payments for completed elements of the work may be provided. Billing will be made monthly in accordance with the work completed, subject to the approval of the City. Payment will be made not less than thirty (30) days after receipt of the approved invoice.

**6. Change Order:**

The City is to be notified, in writing, for any requests of time extension, compensation for proposed additional work, etc. Such requests will be reviewed by the City, and if it is in the best interest of the City and the City then approves such request, a Change Order will be issued by the City. Unless there are unforeseen conditions, the contract will not be increased.

**7. Indemnification:**

To the extent permitted by law, the Consultant shall at all times defend, indemnify and save harmless the City and its officers, agents and employees on account of any claims, damages, losses, litigation, expenses, counsel fees, and compensation arising out of any claims, damages, personal injuries, property losses and/or economic damages sustained by or alleged to have been sustained by any person or entity, to the extent caused by the negligent acts, errors or omissions of the Consultant, its agents or employees in connection with the Project, and/or under this Agreement.

To the extent permitted by law, the City shall at all times indemnify and save harmless the Consultant, and its officers, agents and employees on account of any claims, damages, losses, litigation, expenses, counsel fees and compensation arising out of any claims, damages, personal injuries, property losses and/or economic damages sustained by or alleged to have been sustained by any person or entity to the extent caused by the negligent acts, errors or omissions of the City, its agents or employees in connection with the Project, and/or under this Agreement.

**8. Insurance:**

The Consultant shall provide and maintain a Certificate of Insurance indicating proof of Professional Liability (and/or Errors and Omissions Coverage), Loss of Valuable Papers and other required insurance as noted below, and is hereby made a part of this Agreement.



All insurance coverage shall be provided by the Consultant at no additional expense to the City. The scope and limits of insurance coverage specified are the minimum requirements and shall in no way limit or exclude the City from additional limits and coverage's provided under the Consultant's policies.

The Consultant shall be responsible for maintaining the stated insurance coverage in force for the life of the contract with insurance carriers licensed and authorized to underwrite such insurance in the State of Connecticut.

The type and limits of insurance coverage shall not be less than the type and limits designated herein, and the Consultant agrees that the coverage or the acceptance by the City of certificates of insurance indicating the type and limits of insurance shall in no way limit the liability of the Consultant to any such type and limits of insurance coverage.

The insurance coverage hereinafter afforded by the Consultant shall be primary insurance, except when stated to apply in excess or contingent upon the absence of other insurance. The amount and type of insurance shall not be reduced by the existence of other insurance held by the City.

The Consultant shall provide coverage's that are not impaired or the aggregate is not impaired by any other risk, past or present, and the limits required, shall be fully available to the City of Meriden or restored if depleted below the required levels during the course of the contract and/or any extensions thereto.

The Consultant shall not commence work under the terms of this contract until he has obtained the liability insurance coverage required by this article and has filed Certificates of Insurance on same with the City, and the City has approved the Certificates of Insurance and the represented coverage.

Each Certificate of Insurance shall include the following minimum pertinent information:

- \* Name of Insurance Carrier writing policy
- \* Name of Insured
- \* Address of Named Insured
- \* Description of coverage (Workers' Compensation certificates should evidence the state(s) of operation including Connecticut)
- \* Policy Periods (effective and expiration dates)
- \* Limits of Liability
- \* Brief description of operations performed and the property covered
- \* Name and address of certificate holder
- \* Authorized agents name and address
- \* Date and signature of the issuing agent (original only)
- \* All General Liability additional names insured endorsements

Each insurance policy and certificate of insurance (with the exception of Workers' Compensation and Professional Liability) shall contain an endorsement/wording including the City of Meriden as an Additional Insured. All policies should be primary and noncontributory and include a waiver of subrogation. All coverage shall be with insurance companies approved by the State of Connecticut and with an AM Best Rating of no less than "-A". The Consultant shall provide notification to the City in the event of any material change, modification, cancellation or non-renewal of insurance coverage. During the course of execution of the work, whenever there is a lapse in the insurance requirements as stated herein, through cancellation, expiration, failure to renew or any other cause, the City shall order the cessation of all Consultation activities until such time as the insurance requirements are complied with.

**Insurance Requirements:**

- a. The Consultant shall procure and maintain for the life of the contract \$1,000,000.00 occurrence/\$2,000,000.00 aggregate limit **COMMERCIAL GENERAL LIABILITY COVERAGE**, written on an occurrence basis and minimally arranged to include the following coverage:
  - I. Premises/Operations
  - II. Products - Completed operations
  - III. Underground, explosion, and collapse hazard
  - IV. Contractual liability
  - V. Independent contractors
  - VI. Abuse & Molestation Liability
  
- b. The Consultant shall procure and maintain for the life of the contract \$1,000,000.00 BI/PD combined single limit **BUSINESS AUTOMOBILE LIABILITY COVERAGE**, written on an occurrence basis and minimally arranged to include the following coverage:
  - I. Non-owned automobile
  - II. Liability and Physical damage
  - III. All owned (private passenger and other than private passenger)
  - IV. Any automobile
  - V. All scheduled automobiles
  
- c. The Consultant shall procure and maintain for the life of the contract, State of Connecticut Statutory **WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY COVERAGE**, designed to indemnify all the Engineer's employees in the event of occupational injury and/or disease.
  - \$1,000,000.00 each accident
  - \$1,000,000.00 disease policy limit
  - \$1,000,000.00 each employee disease
  
- d. The Consultant shall procure and maintain for the life of the contract **PROFESSIONAL LIABILITY, MALPRACTICE, OR ERRORS AND OMISSION COVERAGE** protecting the Consultant against wrongful acts and liability arising from professional services. A \$2,000,000.00 single limit per claim and a \$2,000,000.00 aggregate per policy period shall be afforded by this coverage. The coverage shall be written on an occurrence form or may be written on a claims made basis.

**9. Termination:**

The City or the Consultant shall have the right, without cause, to terminate this Agreement within Thirty (30) days following written notification to the other party to that effect by Certified Mail or Personal delivery by agent, and upon the expiration of said thirty-day period, this Agreement shall be null and void and all rights established herein shall end and terminate. It shall not be necessary for either party to state a reason for such termination. If this Agreement is terminated, the Consultant shall be paid for the services performed to the termination notice date, including reimbursable expenses then due as mutually determined between the City and the Consultant.

**10. Standard of Care:**

The Consultant will perform the services described in this Agreement and in any work release documents or change orders which are issued under this Agreement and signed by both parties. In performing the services, the Consultant will exercise the degree of care and skill ordinarily exercised by reputable companies performing the same or similar services at the same time in the same geographic area. The Consultant will not have any obligation to perform services not expressly described in this Agreement or in work release documents or change orders signed by the Consultant.

**11. Applicable Laws:**

This Agreement shall be governed, interpreted, and construed under and in accordance with the laws of the State of Connecticut.

**12. Entire Agreement:**

The terms and provisions herein contained constitute the entire Agreement between the parties and shall supersede all previous communications, representations, or agreements, either oral or written, between the parties hereto with respect to the subject matter hereof, and no agreement or understanding varying or extending the same shall be binding upon either party hereto unless in writing signed by both parties hereto, and nothing contained in the terms or provisions of this Agreement shall be construed as an Agreement by the City of Meriden to directly obligate the City to creditors or employees of the Consultant.

**CITY OF MERIDEN**

**CONSULTANT**

\_\_\_\_\_  
Timothy P. Coon, City Manager  
Duly Authorized

\_\_\_\_\_  
Duly Authorized

\_\_\_\_\_  
DATE

\_\_\_\_\_  
DATE

**Insurance Requirements**

Contractor/Vendor shall agree to maintain in force at all times during the contract the following minimum coverages and shall name City of Meriden as an Additional Insured on a primary and non-contributory basis to all policies, except Workers Compensation. All policies should also include a Waiver of Subrogation. Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum AM Best’s rating of “A-“VIII.

		(Minimum Limits)
General Liability	Each Occurrence	\$1,000,000
	General Aggregate	\$2,000,000
	Products/Completed Operations Aggregate ( Per Project Aggregate)	\$2,000,000
	Auto Liability	
	Combined Single Limit	
	Each Accident	\$1,000,000
Umbrella (Excess Liability)	Each Occurrence	\$1,000,000
	Aggregate	\$1,000,000
Garagekeepers Legal Liability	Limit	\$300,000

If any policy is written on a “Claims Made” basis, the policy must be continually renewed for a minimum of two (2) years from the completion date of this contract. If the policy is replaced and/or the retroactive date is changed, then the expiring policy must be endorsed to extend the reporting period for claims for the policy in effect during the contract for two (2) years from the completion date.

Workers’ Compensation and Employers’ Liability	WC Statutory Limits	
	EL Each Accident	\$1,000,000
	EL Disease Each Employee	\$1,000,000
	EL Disease Policy Limit	\$1,000,000

Original, completed Certificates of Insurance must be presented to City of Meriden prior to contract issuance. Contractor/Vendor agrees to provide replacement/renewal certificates at least 30 days prior to the expiration date of the policies. Should any of the above described policies be cancelled, limits reduced or coverage altered, 30 days written notice must be given to the City of Meriden.