STATEMENT OF WORK (SOW)

PURVIS FIRE STATION ALERTING SYSTEM

FOR THE AUGUSTA AIRPORT FIRE DEPARTMENT

1.0   Scope

The Augusta Airport Fire Department (AAFD) seeks the configuration, installation and implementation of an IP-based PURVIS Fire Station Alerting System™ (PURVIS FSAS™) (FSAS) for their existing Fire Station. In order for the system to be fully functional in the Fire Stations, the system must interface with the existing Augusta PURVIS FSAS. The PURVIS FSAS is integrated with the Tyler Technologies New World CAD system at Augusta's Dispatch Center utilizing Tyler Technologies's interface to the PURVIS FSAS Application Programming Interface (API). With this interface in place, the PURVIS FSAS must automatically transmit incident detail from the CAD system to the Fire Station via AAFD's IP network. The project includes the purchase, implementation, and installation of the PURVIS FSAS fire station-based control and alerting equipment at the Fire Stations. The project does not include the installation of any required 120VAC power for the FSAS devices.

2.0   Task Description

The scope and tasks identified in this statement of work represent the complete PURVIS FSAS implementation for the Augusta Airport Fire Department. PURVIS will provide the AAFD with the PURVIS Fire Station Alerting System and the PURVIS Team will perform the following tasks in support of the system implementation:

Task A. FSAS Procurement, Assembly, Configuration, and Installation

PURVIS will procure, assemble, configure, and install the PURVIS FSAS Fire Station equipment for Augusta Airport Fire Department. All system design and software components will be based on the current PURVIS FSAS Station Control Unit (SCU). No new custom software development or new software functionality is included with this implementation.

As part of the project planning phase, PURVIS will work with Augusta Airport Fire Department to define a System Configuration Document and a Network Configuration Document. These two documents define the AAFD's technical and operational details that will be used by the PURVIS Engineering organization to develop, configure and test the requirements of the AAFD's FSAS system. AAFD's Station configuration will need to be developed and based on existing station configurations as common integration points will exist among the agencies dispatched by the Augusta Fire Department.

Following project start and as part of the implementation phase project kickoff, PURVIS will work with AAFD to collect the information required to complete the two configuration documents. The customer's input for these documents is crucial, since incorrect or incomplete information may potentially impact the project's resources and schedule.

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PURVIS will configure the PURVIS FSAS Station Control Units to meet the System Technical Requirements provided below.

SYSTEM TECHNICAL REQUIREMENTS

The following PURVIS FSAS components are required for Augusta Airport Fire Department Fire Station:

1. PURVIS FSAS Station Control Unit (Qty 1)

   a. The delivered system includes one (1) PURVIS FSAS Station Control Unit at AAFD Fire Station. The PURVIS FSAS SCU receives incidents/alerts and activates all appropriate station electronics, as well as playing tones and messages over the station speakers.

2. PURVIS FSAS Station Alerting Electronics:

   a. The delivered system includes audio and visual alerting electronics that are identified in PURVIS Quote No. PC2024-285. The specific quantities and locations of the alerting devices have been defined by Augusta Airport Fire Department.

Task B. System Testing.

PURVIS will be responsible to conduct system integration, verification and validation testing. As part of this testing, PURVIS utilizes an Acceptance Test Plan that documents these activities as well as the Functional Acceptance Testing. PURVIS will update existing PURVIS FSAS test scripts to reflect the AAFD FSAS configuration.

PURVIS will also conduct Functional Acceptance Testing, with the AAFD personnel witnessing this test. PURVIS FSAS Test Scripts will be used as the basis of the Functional Acceptance Testing. Successful completion of Acceptance Testing will constitute system acceptance.

Task C. Project Management Services.

PURVIS will provide project management services in support of the procurement, assembly, configuration, testing, integration, and installation of the PURVIS FSAS into the Augusta Airport Fire Department Fire Station.

PURVIS will provide services to coordinate, lead, monitor and report all project activities. Services include scheduling, status reporting, coordinating activities of vendors, identifying Augusta Airport Fire Department and other agency dependencies, and ensuring completion and acceptance of all activities.

PURVIS will participate in regularly scheduled status meetings/conference calls with AAFD. Meeting participants will include, at minimum, the AAFD Project Manager and PURVIS Project Manager as well as required individuals based on the agenda items defined for that specific meeting.

PURVIS will provide a project status report every other week that will include:

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- Progress against schedule

- Key accomplishments for the reporting period

- Short-term upcoming tasks/activities

- Identification of project risks and mitigation options

- Open and closed action item lists.

Task D. Training.

In support of the FSAS implementation, the PURVIS Team will provide the following remote training:

- Training Course for Fire Personnel. The training modules below will be provided in a "train the trainer" format for up to ten (10) personnel. One training session will be provided, with a total duration of approximately 30 minutes.

    o FSAS Station Control Unit Module (30 minutes).

Task E. Warranty/Maintenance.

PURVIS will provide a Remote and On-site Warranty on all parts and labor for a period of one year from final system acceptance by Augusta Airport Fire Department. Warranty services will be provided in accordance with the PURVIS FSAS Warranty, Maintenance and Service Agreement.

Upon the expiration of the initial one-year Warranty period, Annual Maintenance may be purchased as an option that may be renewed each year.

3.0 Project Schedule

PURVIS will work with the Augusta Airport Fire Department to mutually develop a comprehensive implementation schedule as part of the project kickoff activities.

The project schedule will be monitored weekly, formally updated with any required changes, and distributed on a monthly basis to all project team members.

4.0 Assumptions

The scope of this SOW is limited to the equipment, software and documentation identified within the SOW. Requests to procure and/or modify any additional equipment, software and/or documentation will be considered out of scope.

AAFD's Role

In order for PURVIS to fulfill project requirements and avoid delays, Augusta Airport Fire Department will perform the following**:**

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- Assign a primary point of contact for the project.

- Key project team members will participate in regularly scheduled project meetings.

- Ensure PURVIS has timely access to all necessary physical locations during the project. Communicate all project activities to dispatch and station personnel.

- Provide and maintain all speakers. PURVIS assumes no responsibility for speaker quality or performance. SOW does not include rewiring or zoning existing speakers in the fire station.

- Provide Airport Crash Phone for connectivity to the PURVIS FSAS.

- Make dispatch and fire station operational personnel available to provide operational data necessary for system configuration.

- Make personnel available to approve recommended acceptance test procedures and to participate in the execution of these procedures.

- Provide approval of all PURVIS documentation within 10 working days of delivery.

Hardware Requirements

- Provide a fire station radio within 100' of the PURVIS FSAS Station Control Unit (SCU) in the fire station.
- The following FSAS hardware will be installed in the PURVIS supplied station equipment rack:

Item	Power Requirements	Environment Requirements	
		Space Requirements	Other Requirements
Station Control Unit	Input: 120VAC, 20 Amp outlet. Power will be supplied from the PURVIS provided UPS.	Rack Mounted - 3U of 19" rack space, depth of 24".	To ensure system longevity and reliability, the SCU operating temperature is 32° F to 100° F
24 Port Unmanaged Network Switch	Input: 120VAC, 15 Amp outlet. Power will be supplied from the PURVIS provided UPS.	Rack Mounted - 1U of 19" rack space, depth of 16".	To ensure system longevity and reliability, the operating temperature range is 32° F to 100° F.
Remote Touch Screen (RTS)	Input: 120VAC, 15 Amp outlet. Power will be	Dimensions: 3.5x3.1x1.2 in Weight: 1.2 lbs.	To ensure system longevity and reliability, the operating

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Video Distribution	supplied from the PURVIS provided UPS.		temperature range is 32º F to 100º F.
Amplifier 1 Ch (70v) 250w	Input: 120VAC, 15 Amp outlet. Power will be supplied from the PURVIS provided UPS.	Rack Mounted - 2U of 19" rack space. Depth of 20".	To ensure system longevity and reliability, the operating temperature range is 32º F to 100º F.
Uninterruptible Power Supply	Input: A single dedicated 120V, 20AMP circuit in the fire station with a minimum of one outlet. Power termination shall be located within 6 feet of the PURVIS FSAS UPS in the station.	Rack Mounted - 2U of 19" rack space. Depth of 20". Weight: 58 lbs	To ensure system longevity and reliability, the operating temperature range is 32º F to 100º F.
Rack Shelf	N/A	Rack Mounted - 2U of 19" rack space.	N/A

Power Requirements

- Provide all 120VAC power for the FSAS devices as identified below:

    a. Provide one 120V, 20AMP dedicated circuit with a duplex outlet within 5 feet of the PURVIS provided Uninterruptable Power Supply for the PURVIS FSAS rack equipment identified above.

    b. Provide one 120V, 15AMP duplex outlet within 5 feet of the FSAS devices at the fire station for the PURVIS FSAS Remote Touch Screen.

    c. PURVIS FSAS devices connected to the PURVIS provided UPS in the station will be limited to the following: Station Control Unit, Network Switch, and RTS Video Distribution.

Network

- Provide routing on the Dispatch Center's network to the Augusta's FSAS Central Servers and the station SCU (within 30 calendar days of project start). Network routing between the Augusta Dispatch Center and the AAFD Fire Station shall be designed, implemented and tested by Augusta Airport Fire Department and the Augusta Dispatch Center.

- The bandwidth required from the FSAS Central Servers to the FSAS Station Control Unit (SCU) are minimal, with a compressed incident message size of around 1200-1300 bytes. A connection in excess of 5-10KB/s is required. For software updates and

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maintenance over the network, a bandwidth in excess of 1Mb/s is recommended, but not required

- Provide a configured WAN switch port at the station for the PURVIS SCU to plug into for connectivity back to the Augusta Dispatch Center

- Provide the static WAN IP addresses as required for the Station Control Unit.

- Implement firewalls as required for FSAS at both the Dispatch Center and Fire Station. Any hardware, software and services required to implement the firewalls are the responsibility of the Augusta Airport Fire Department.

- Provide PURVIS with remote access to the FSAS via a browser-based remote login software.

- Time sync the FSAS Central Server.

- Provide a point of contact available 24/7/365 for WAN support.

Radio

- Perform all radio or console programming changes required to support the FSAS receiving automated audio over radio. This includes channel/talk group and any other custom configuration (within 45 calendar days of project start) PURVIS will provide guidance in programming.

- Maintain all radio equipment required for FSAS communications. This includes preventive maintenance, signal strength, issues resolution, software updates and other support.

- Provide a single point of contact for all radio related issues.

- Provide, install, configure, test and maintain a primary radio at the fire station. The primary radio will be used for monitoring the radio and redundant alerting.

- For the interface between the station radio and the SCU, provide the physical cable connection at the radio end. PURVIS will provide the connection at the SCU end.

E-mail Notifications
- Supply the contact information for the individuals to be notified of system trouble via auto-generated email notifications (within 30 calendar days of project start).

Training
- Ensure all personnel scheduled for training are present at schedule time(s).

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Fire Station Installation

- PURVIS assumes that the PURVIS Team will have full and timely access to the installation site on the date(s) specified in the Project Schedule. Access on each date will be all day (7:30am – 5:00pm local time).

- Existing Equipment

    a. Provide a dedicated radio at the fire station with an analog audio output.
    b. Provide the Airport Crash Phone with an analog audio output.
    c. Provide existing/working Augusta Airport supplied speakers and wiring. PURVIS assumes that the existing speakers are on 1 audio zone and the delivered system supports 1 zone.
    d. Proposal does not include connection with any other existing fire station devices, including I/O devices, such as lighting relays, bay door controls, etc.

- Fire Station Repair
    a. Any ceiling tiles damaged during installation will be replaced with similar tiles but exact color and type match cannot be guaranteed.
    b. Any damaged paint / drywall will be repaired with similar colors but exact color match cannot be guaranteed.

Warranty/Maintenance

- Provide PURVIS with remote access to the FSAS via a browser-based remote login software.

5.0   System Acceptance

System Acceptance will be based on successful execution of the Functional Acceptance Testing using the FSAS Test Scripts provided by PURVIS. Successful execution is defined as tests that are run with no major system problems identified. Major system problems are problems which prevent dispatches from being announced over the correct radio channel.

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6.0   Customer Acknowledgement

I acknowledge that I have read, and understand, the Statement of Work, and all Project Assumptions.

_____
Name

_____   _____
Signature   Date

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