

MAIN PROPOSAL FOR:

North Central Texas Council of Governments Gunshot Detection System (SOLICITATION: 2025-003)



North Central Texas
Council of Governments

Due Date: NOVEMBER 6, 2024

Proposal Prepared For:

North Central Texas Council of Governments
616 Six Flags Drive
Arlington, TX 76011
POC: Mr. Charlie Oberrender
Title: Contract Specialist
Email: coberrender@nctcog.org
Tel: (281) 610-8914

Proposal Approved By:

HQE Systems Inc.
27348 Via Industria
Temecula, CA 92590
POC: Mr. Qais Alkurdi
Title: Chief Executive Officer
Email: Contracts@HQESystems.com
Tel: (800) 967-3036 X1102

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TAB A: Cover Sheet

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REQUEST FOR PROPOSALS

For

Gunshot Detection System

RFP # 2025-003

Sealed proposals will be accepted until 2:00 PM CT, **October 29, 2024**, and then publicly opened and read aloud thereafter.

HQE Systems, Inc.

Legal Name of Proposing Firm

Qais Alkurdi

Contact Person for This Proposal

CEO

Title

(800) 967-3036

Contact Person Telephone Number

Contracts@HQESystems.com

Contact Person E-Mail Address

27348 Via Industria

Street Address of Principal Place of Business

Temecula, CA

City/State

92590

Zip

27348 Via Industria

Mailing Address of Principal Place of Business

Temecula, CA

City/State

92590

Zip

Qais Alkurdi

Point of Contact for Contract Negotiations

CEO

Title

(800) 967-3036

Point of Contact Telephone Number

Contracts@HQESystems.com

Point of Contact Person E-Mail Address

Acknowledgment of Addenda (initial): #1 QA #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as "confidential/proprietary". All proposals are subject to the Texas Public Information Act.

COVER SHEET

A.1 Cover Letter & Statement of Understanding

To The North Central Texas Council of Governments Procurement Board,

HQE Systems, Inc. is a FEMA Certified Service-Disabled Veteran-Owned Small Business (SDVOSB) with its global headquarters in Temecula, CA, and its Project support office in North Charleston, SC. HQE Systems is pleased to submit a response to the North Central Texas Council of Governments (NCTCOG) request for an offer regarding the Gunshot Detection System. Since 2014, HQE Systems has been designing, developing, hosting, and maintaining Life Safety and Electronic Security Systems for a host of clients worldwide. Specifically, our Gunshot Detection and Location Services solution is utilized by all levels of government and private organizations.

HQE acknowledges NCTCOG solicitation for the Cooperative Purchasing Program. We understand the program's purpose is to enhance procurement efficiencies and deliver cost-effective solutions across the participating entities.

It is with great pleasure that we present you with the following response to provide NCTCOG with the Gunshot Detection System, including:

- ❖ A dedicated Gunshot Detection team with an experience similar in size and scope to this project
- ❖ A team that is certified and has the know-how to onboard, deploy, and maintain this project
- ❖ Instant gunshot detection and alerts enable faster law enforcement response
- ❖ A system that provides precise, real-time data on shot location and count for informed decisions
- ❖ A system that captures data to support investigations and serve as courtroom evidence
- ❖ A solution with unlimited 3rd party software & hardware* integration capabilities
- ❖ Full turn-key solution to include robust training and customer support

The Gunshot Detection System solution being offered for solicitation 2025-003 from HQE meets or exceeds all specifications of the stated requirements. HQE acknowledges, understands, and complies with all FARS, Scope, Requirements, and Instructions outlined in the document(s), the Statement of Work (SOW), amendments, and attachment(s) provided by NCTCOG. Proposal Validity: 90 Days

If you have any questions or concerns, please contact our dedicated team for this project:

Technical Issue POC:	Mr. David Ditto Contracts@HQESystems.com	Director of BD / Gunshot Detection System Expert (800) 967-3036 Ext 1109
Contract Issue POC:	Ms. Desiree Carr Contracts@HQESystems.com	Director of Administration (800) 967-3036 Ext 1107
Customer Support:	Ms. Nancy Trussell BD@HQESystems.com	Business Development Specialist (800) 967-3036 Ext 1113
Company Name:	HQE Systems, Inc.	
Address:	27348 Via Industria, Temecula, CA 92590	
Phone/Fax:	1 (800) 967-3036 / 1 (760) 645-7183	
DUNS/UEI Number:	079240822/YGCSL35ZWAD7	CA SB/DVBE: 2001433
CAGE Code:	72W82	SAM/WAWF: CERTIFIED/ACTIVE
Federal EIN:	46-4509670	SDVOSB:
CERTIFIED/ACTIVE		
VA VetsFirst:	CERTIFIED/ACTIVE	CSLB C7 LIC: 1087628/ACTIVE

Authorized Official,



Qais Alkurdi, CEO - Disabled Veteran/Retired



A.2 Why Our Customers Choose Us

HQE Systems, Inc. (HQE) is a FEMA-Certified Service-Disabled Veteran Owned Small Business (SDVOSB) with its global headquarters in Temecula, California. HQE was founded by service-disabled veterans who wanted to continue to serve our communities after honorably serving in the military. For a short period, the founders of HQE worked as Subject Matter Experts (SMEs) for our nation's largest technology companies. With the work ethics sharpened in the military and the technical knowledge gained from working in large technology companies, the founders of HQE decided to open its doors officially in 2014. Since then, HQE has grown to become an internationally recognized full-service technology company servicing over 1,000+ sites worldwide.



The value of HQE goes beyond just our technically superior offer and price. Since 2014, we have continued to solve problems for our clients through innovative software development and systems integration. Any company can offer a piece of equipment and install it. That's the easy part. However, very few are capable of integrating legacy technologies with modern systems. Ultimately, our new customers always become our longtime customers due to our ability to solve problems others won't touch. We solve problems!

A.3 Our Full In-House Technology Capabilities




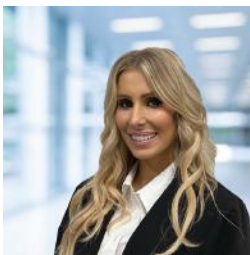
TAB B: Key Personnel

B.1 Experience of Key Personnel: Resumes

QAIS ALKURDI - MILITARY VETERAN/RETIRED (HONORABLE SERVICE - COMM. TECHNICIAN)	
PROJECT ASSIGNED ROLE - CORPORATE MONITOR	HQE SYSTEMS, INC - MANAGEMENT TEAM
	<p>Executive leader for managing the overall project to ensure the project is executed to the specified standards.</p> <p>Significant Accomplishments: Mr. Alkurdi has 17+ years of direct experience managing complex Integrated Electronic Security Systems (ACS, CCTV, IDS), Mass Notification Systems (Outdoor Warning Sirens, Indoor Notification Systems, Electronic Notification Software, Gunshot Detection), and Software Engineering (artificial intelligence, deep machine learning, systems software) projects. He has personally managed organizations in the engineering, analysis, implementation, sustainment, and operational use of life safety systems.</p>
TOP SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD	
<p>HQE Systems, Inc. 2016–Present: Chief Executive Officer / Corporate Monitor</p> <p>Mr. Alkurdi is responsible for supervising and setting the trajectory of the enterprise software development company by developing objectives, leading and motivating employees, and overseeing all business activities to ensure they align with the overall strategy and mission of the company.</p> <p>Mr. Alkurdi served as the Electronic Security Systems (ESS) & Mass Notification Systems (MNS) Subject Matter Expert overseeing the design, implementation, and maintenance of the Government's ESS and MNS, which included thousands of Video Surveillance, Intrusion Detection, Access Control, Outdoor Sirens, Indoor Public Address Systems, gunshot detection capabilities, dozens of System Controllers, and hundreds of miles of outdoor audio coverage. His extensive experience in these roles enables him to successfully monitor all projects for HQE.</p>	

DAVID DITTO - (ENGINEERING ASSOCIATION)	
PROJECT ASSIGNED ROLE - PROGRAM MANAGER	HQE SYSTEMS, INC - MANAGEMENT TEAM
	<p>Project leader for managing project design, installation, maintenance, and integration of Electronic Security, Mass Notification Systems, Systems Integration, and Software Engineering for clients worldwide.</p> <p>Significant Accomplishments: As a certified PMP, Mr. Ditto has 14+ years of direct experience managing complex Life Safety and Electronic Security Systems projects. As a Program Manager, Mr. Ditto has personally supervised over 10+ major contracts with a cumulative value of \$50 Million in the past 5 years.</p>
TOP SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD	
<p>HQE Systems, Inc. 2022–Present: Program Manager</p> <p>Mr. Ditto is a proven leader and critical thinker who has demonstrated excellent program management, project management, and systems engineering skills during professional experiences in multiple industries. Resourceful problem solver with the ability to identify complete solutions by using proven engineering strategies and working effectively with project teams. Task-oriented and has shown the capability to lead professional engineering teams to successfully complete high-priority tasks within limited schedule and budget requirements.</p>	

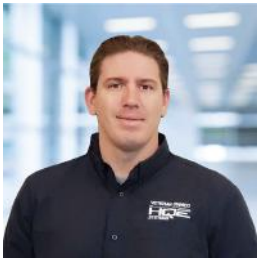
CHARLES LEWIS - MILITARY VETERAN (HONORABLE SERVICE - COMM. TECHNICIAN)	
PROJECT ASSIGNED ROLE - PROGRAM MANAGER	HQE SYSTEMS, INC - MANAGEMENT TEAM
	<p>Project leader for managing project design, installation, maintenance, and integration of Electronic Security, Mass Notification Systems, Systems Integration, and Software Engineering for clients worldwide.</p> <p>Significant Accomplishments: As a certified PMP, Mr. Lewis has 27+ years of direct experience managing complex Communications, Electronic Security, Gunshot Detection Systems, and Outdoor Warning Siren projects. As a Program Manager, Mr. Lewis has personally supervised over 10+ major contracts with a cumulative value of \$30 Million in the past 5 years.</p>
TOP SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD	
<p>HQE Systems, Inc. 2022–Present: Program Manager</p> <p>Oversee daily operations of the Installation Division and staff. Collaborate with internal stakeholders on requests for proposals (RFPs), estimates, change orders, the scope of work, project milestones, and life cycle management. Develop and implement policies and standard operating procedures (SOP). Support and train junior project managers and supervisors to review milestones, ensure proper utilization of resources, monitor quality, and manage schedules. Collaborate with Business Development staff and utilize a professional network to ensure potential opportunities are captured. Conduct site visits for surveys and quality control.</p>	

Rachel Hatcher - CERTIFIED SCRUM MASTER	
PROJECT ASSIGNED ROLE - LEAD PROJECT MANAGER	HQE SYSTEMS, INC - PMP CERTIFIED
	<p>Provides detailed oversight of the schedule, technical staff, and deployment of the Electronic Security Systems, Mass Notification Systems, Systems Integrations, and Software Engineering services.</p> <p>Significant Achievements: Ms. Hatcher is a seasoned professional with 15+ years of expertise in project management, strategic planning, and risk assessment. She excels in program development, technical support, and administration, ensuring customer satisfaction and team leadership. Her strengths encompass regulatory compliance, meticulous reporting, data management, and process improvement, demonstrating a versatile skill set that includes rapid deployment.</p>
CLEARED PERSONNEL, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD	
<p>HQE Systems, Inc. 2023–Present: Lead Project Manager</p> <p>Ms. Hatcher, a certified PMP professional, brings a dedicated focus on delivering complex IT and construction projects within budget and on schedule, aligning seamlessly with the field of mass notification. She possesses a distinctive talent for overseeing the implementation of technology solutions and executing project management strategies. Ms. Hatcher excels in analyzing new and intricate project-related challenges and formulating innovative plans encompassing scheduling, technology, methodology, tools, and solution components. With a track record of instrumental contributions, she has effectively managed projects spanning IT infrastructure, software development, and construction, demonstrating her expertise in navigating projects from initiation to completion. Her leadership extends to skillfully guiding cross-functional teams, coordinating resources, and ensuring effective communication throughout the project lifecycle, making her an asset in the realm of mass notification systems.</p>	

Charles West - MILITARY VETERAN (HONORABLE SERVICE - SPECIAL FORCES)

PROJECT ASSIGNED ROLE - SUPPLIER MANAGEMENT

HQE SYSTEMS, INC - SENIOR FIELD ENGINEER



Engineering Quality Control and Quality Assurance. Provides CAD Engineering services when required. Manages supply throughput and provides liaison support to the OEM.

Significant Accomplishments: Mr. West has 5+ years of direct experience in field engineering, CAD engineering, and project management. Mr. West was personally involved and was a leader in a major Life Safety and Electronic Security Systems design, upgrade, and maintenance for the United States Marine Corps. With over 1,000+ endpoints, Mr. West successfully performed the duties of the field engineer to ensure all equipment, labor, and systems testing were delivered, executed, and turned over to the Government on time and as directed.

TOP SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2019–Present: Field Engineer

Mr. West is responsible for supervising and leading installation teams in the performance of the current installation or maintenance contract. Mr. West also acts as the direct liaison to the customer during all periods of performance to facilitate communications and deconflict and mitigate any questions or issues that may arise. As a primary liaison between HQE and the OEM, Mr. West ensures that all hardware and software required for the project are available, up-to-date, and prepared for the project. Mr. West is also the Computer-Aided Design (CAD) specialist for HQE and supports the design and development process for all Gunshot Detection System installs.

Kevin Ford - MILITARY VETERAN (HONORABLE SERVICE - NETWORK TECHNICIAN)

PROJECT ASSIGNED ROLE - LEAD FIELD ENGINEER

HQE SYSTEMS, INC - MANAGEMENT TEAM - FIELD ENGINEER



Provides detailed oversight of the schedule, technical staff, and deployment of the Electronic Security Systems, Mass Notification Systems, Systems Integrations, and Software Engineering services.


Significant Achievements: Mr. Ford has over 12 years of Outdoor Weather Siren and Indoor Mass Notification experience, with over 10 years of Life Safety and Electronic Security Systems Technologies integration experience. Additionally, Mr. Ford holds over 14 years of project management experience leading multiple teams to the successful completion of strategic Department of Defense (USMC, USN, USAF) projects.


SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2018–Present: Lead Project Manager

Mr. Ford performs a wide variety of duties in support of Gunshot Detection System projects for the Department of Defense. Mr. Ford has comprehensive experience reading blueprints, wiring diagrams, schematic drawings, and engineering instructions to assist the Lead Technician with project planning and implementation. In addition to these duties, Mr. Ford performs testing and diagnostic analysis of Life Safety and Electronic Security System equipment for operational capability and functionality for new installations and existing ones. He is responsible for creating reports and recording data compiled from multiple testing techniques. For existing installations, Mr. Ford uses this testing and diagnostics experience to identify and correct faults while troubleshooting ESS equipment. His ESS area of expertise includes working with Gunshot Detection Systems.

Andrew Hernandez (VOLUNTEER CERT SERVICE)

PROJECT ASSIGNED ROLE - LEAD TECHNICIAN		HQE SYSTEMS, Inc - TECHNICIAN TEAM
	<p>Lead Technician provides supervision of the technical team and is the first line of supervision for the project. Ensures that all solutions are properly bench-tested prepared for shipment, installed properly on-site and provides test, turnover, and training to the client.</p> <p>Significant Accomplishments: Mr. Hernandez has 8+ years of direct experience working on designing, installing, maintaining, and integrating Electronic Security Systems (ACS, CCTV, IDS), Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notification Systems). Mr. Hernandez has successfully managed multiple ESS and MNS projects.</p>	
SECRET CLEARANCE PENDING, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD		
<p>HQE Systems, Inc. 2017–Present: Lead Installation Technician</p> <p>Mr. Hernandez performs a wide variety of duties in support of Life Safety and Electronic Security Systems projects. Mr. Hernandez is responsible for reading blueprints, wiring diagrams, schematic drawings, and engineering instructions to assist the Project Manager with project planning and implementation. In addition to these duties, Mr. Hernandez performs testing and diagnostic analysis of Gunshot Detection System equipment for operational capability and functionality for new installations and existing ones. He is responsible for ensuring all infrastructure for ESS & MCS was installed properly. This included mounting exterior and interior conduits for cable pathways, mounting exterior and interior speakers, penetrating exterior, and interior walls for cable pathways, etc. Part of his infrastructure duties is to ensure proper power was applied to all systems.</p>		

FERNANDO ABUNDIS - MILITARY VETERAN (HONORABLE SERVICE - COMM. TECHNICIAN)	
PROJECT ASSIGNED ROLE - TECHNICIAN	HQE SYSTEMS, INC - TECHNICIAN TEAM
	<p>Expert Technician that will conduct bench-tests, preparation of supplies/materials, properly installing the solution. To include post-project testing of the solution, training to the clients, and other on-the-ground project requirements.</p> <p>Significant Accomplishments: Mr. Abundis has 5+ years of direct experience working on designing, installing, maintaining, and integrating ACS, IDS, Gunshot Detection Systems, Outdoor Weather Sirens, and Indoor Mass Notification Systems. Recently Mr. Abundis successfully completed an 18 Outdoor Weather Sirens installation in Fairbanks, Alaska.</p>
SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD	
HQE Systems, Inc. 2017-Present: Installation Technician	
<p>Mr. Abundis is an experienced installation technician with a wide variety of skills. Mr. Abundis ensures Life Safety and Electronic Security System installation daily tasks are completed efficiently and effectively with little guidance from the Lead Technician. He is responsible for assuring all Gunshot Detection System infrastructure for a project is installed according to customer specifications. This includes mounting conduit pathways for cabling, terminating cables at their respective components, testing and op-checking functionality of Gunshot Detection System equipment, replacing faulty equipment as identified, etc. Mr. Abundis has key experience installing Life Safety and Electronic Security Systems and has successfully completed dozens of ESS installations worldwide.</p>	

JOE CASTLE - COMMUNITY VOLUNTEER (HOMELESS VETERANS SHELTERS)

PROJECT ASSIGNED ROLE - TECHNICIAN

HQE SYSTEMS, INC - TECHNICIAN TEAM



Expert Technician who will conduct bench-tests, preparation of supplies/materials, and properly install the solution. To include post-project testing of the solution, training to the clients, and other on-the-ground project requirements.

Significant Accomplishments: Mr. Castle has 10+ years of direct experience working on designing, installing, maintaining, and integrating Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notifications, and Electronic Notification Software). Mr. Castle has personally installed over 500+ MCS endpoints.

Languages: English, Spanish, Korean (Fluent written & oral)

CLEARANCE SUBMITTED, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2021-Present: Installation & Maintenance Technician

Mr. Castle is an experienced installation technician with a wide variety of skills. Mr. Castle ensures Gunshot Detection System installation daily tasks are completed efficiently and effectively with little guidance from the Lead Technician. He is responsible for assuring all Life Safety and Electronic Security Systems infrastructure for a project is installed according to customer specifications. This includes mounting conduit pathways for cabling, terminating cables at their respective components, testing and op-checking functionality of MCS equipment, replacing faulty equipment as identified, etc. Mr. Castle has key experience installing Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection System, Indoor Notifications, and Electronic Notification Software) and has successfully completed dozens of Life Safety and Electronic Security System installations worldwide.

JAIME JAUREGUI - MILITARY VETERAN (HONORABLE SERVICE - COMM. TECHNICIAN)

PROJECT ASSIGNED ROLE - TECHNICIAN

HQE SYSTEMS, INC - TECHNICIAN TEAM



Expert Technician who will conduct bench-tests, preparation of supplies/materials, properly installing the solution. To include post-project testing of the solution, training to the clients, and other on-the-ground project requirements.

Significant Accomplishments: Mr. Jauregui has 13+ years of direct experience working on designing, installing, maintaining, and integrating Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection System, Indoor Notifications, and Electronic Notification Software). Mr. Jauregui has personally installed over 1,500+ MCS endpoints.

Languages: English, Spanish (Fluent written & oral)

SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2021-Present: Installation & Maintenance Technician

Mr. Jauregui is an experienced installation technician with a wide variety of skills. Mr. Jauregui ensures Gunshot Detection System installation daily tasks are completed efficiently and effectively with little guidance from the Lead Technician. He is responsible for assuring all Life Safety and Electronic Security Systems infrastructure for a project is installed according to customer specifications. This includes mounting conduit pathways for cabling, terminating cables at their respective components, testing and op-checking functionality of Gunshot Detection Systems equipment, replacing faulty equipment as identified, etc. Mr. Jauregui possesses key experience with installing Mass Notification Systems (Outdoor Warning Sirens, Gunshot, Detection Systems, Indoor Notifications, and Electronic Notification Software) and has successfully completed dozens of MCS installations worldwide.

DOMINICK ANDERSON - MILITARY VETERAN (HONORABLE SERVICE - COMM. TECHNICIAN)

PROJECT ASSIGNED ROLE - TECHNICIAN

HQE SYSTEMS, INC - TECHNICIAN TEAM



Expert Technician that will conduct bench-tests, preparation of supplies/materials, properly installing the solution. To include post-project testing of the solution, training to the clients, and other on-the-ground project requirements.

Significant Accomplishments: Mr. Anderson has 10+ years of direct experience working on designing, installing, maintaining, and integrating Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notifications, and Electronic Notification Software). Mr. Anderson has personally installed over 1,100+ MCS endpoints.

SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2022-Present: Installation & Maintenance Technician

Mr. Anderson is an experienced installation technician with a wide variety of skills. Mr. Anderson ensures Gunshot Detection System installation daily tasks are completed efficiently and effectively with little guidance from the Lead Technician. He is responsible for assuring all Gunshot Detection System infrastructure for a project is installed according to customer specifications. This includes mounting conduit pathways for cabling, terminating cables at their respective components, testing and op-checking functionality of Life Safety and Electronic Security System equipment, replacing faulty equipment as identified, etc. Mr. Anderson possesses key experience with installing Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notifications, and Electronic Notification Software) and has successfully completed dozens of MCS installations worldwide.

CURTIS CANEPA - VOLUNTEER (CERT / EMS)

PROJECT ASSIGNED ROLE - TECHNICIAN

HQE SYSTEMS, INC - TECHNICIAN TEAM



Expert Technician that will conduct bench-tests, preparation of supplies/materials, and properly install the solution. To include post-project testing of the solution, training to the clients, and other on-the-ground project requirements.

Significant Accomplishments: Mr. Canepa has 5+ years of direct experience working on designing, installing, maintaining, and integrating Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notifications, and Electronic Notification Software). Mr. Canepa has personally installed over 300+ endpoints.

CLEARANCE SUBMITTED, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2020–Present: Installation & Maintenance Technician

Mr. Canepa is an experienced installation technician with various skills. Mr. Canepa ensures Gunshot Detection System installation daily tasks are completed efficiently and effectively with little guidance from the Lead Technician. He is responsible for assuring all Gunshot Detection System infrastructure for a project is installed according to customer specifications. This includes mounting conduit pathways for cabling, terminating cables at their respective components, testing and op-checking functionality of Life Safety and Electronic Security System equipment, replacing faulty equipment as identified, etc. Mr. Canepa has key experience installing Mass Notification Systems (Outdoor Warning Sirens, Gunshot Detection Systems, Indoor Notifications, and Electronic Notification Software) and has successfully completed dozens of MNS installations worldwide.

JAVIER LOPEZ - (KIDS TECH VOLUNTEER) - FULL-STACK SOFTWARE EXPERT

PROJECT ASSIGNED ROLE - SOFTWARE ENGINEER

HQE SYSTEMS, INC - SOFTWARE TEAM



Software Engineer with experience in full stack development, systems engineering, systems programming, and other development engineering tasks for major projects.

Significant Accomplishments: Mr. Lopez is an experienced Aerospace & Defense software engineer with over 9+ years of hands-on systems programming and cyber security experience working on sensitive U.S. government projects. He has successfully designed and developed custom software for hardware systems monitoring and activation for major Life Safety and Electronic Security Systems utilized by the U.S. Government.

TOP SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

HQE Systems, Inc. 2022-Present: Full Stack Program Developer and Engineer

Mr. Lopez is experienced in conducting information system security research, testing, and analysis to correlate router configurations with logical network maps. Learned proper troubleshooting techniques for Windows systems and satellite communications equipment. Deployed high-availability satellite communications infrastructure necessary for operational command and control. Set up server and administrator privileges and restrictions for users using Windows Server 2012.

Desiree Carr - MILITARY VETERAN (HONORABLE SERVICE - MILITARY POLICE)

PROJECT ASSIGNED ROLE - CUSTOMER SUPPORT

HQE SYSTEMS, INC - CUSTOMER SUPPORT TEAM



Project Customer Service Manager.

Significant Accomplishments: Mrs. Carr has 6+ years of direct experience providing 24/7/365 customer support. As the lead customer support representative, Mrs. Carr has implemented a hassle-free customer support system that ensures all trouble tickets are resolved on time with the highest level of customer satisfaction.

SECRET CLEARANCE, FULL BACKGROUND INVESTIGATION, ACTIVE CAC CARD

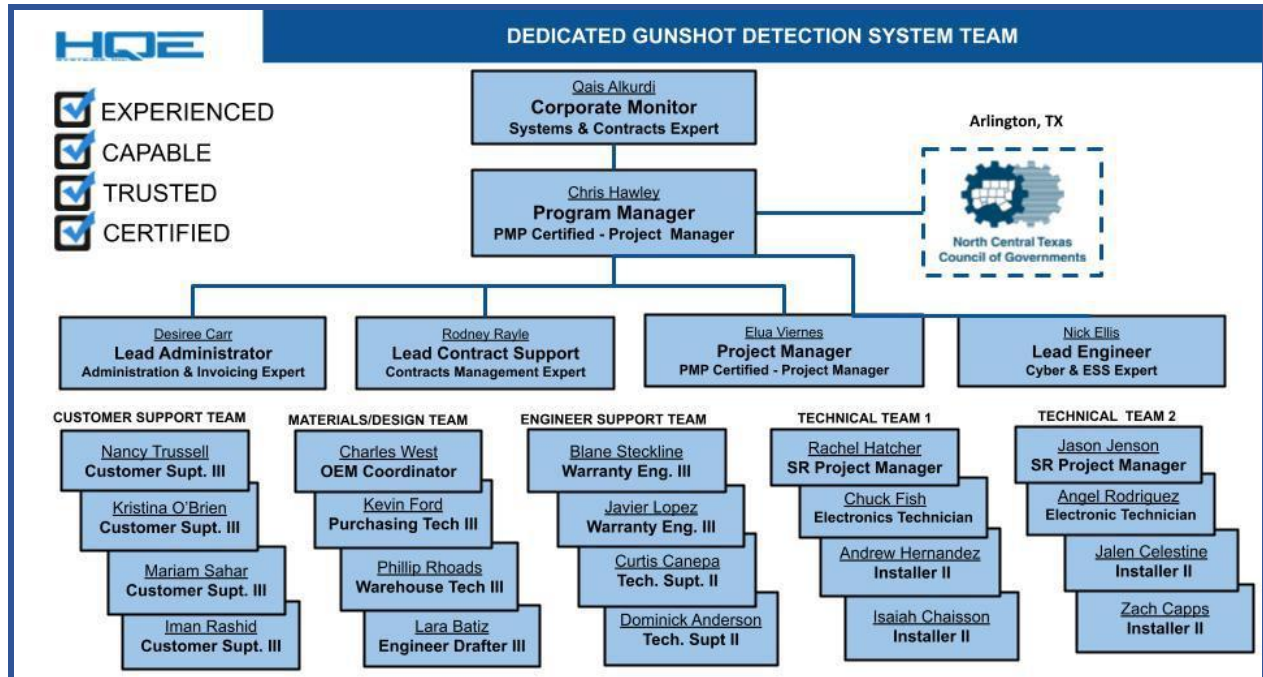
HQE Systems, Inc. 2017–Present: Business Development Specialist/Customer Service Manager

Mrs. Carr provided personable and knowledgeable IT support to customers with various hardware and software-related issues. Mrs. Carr provided in-depth technical support to clients at a Tier 2 level, solving 99.2% of issues without transferring to Tier 3 support. Mrs. Carr coordinated with Level 1 technical support specialists to take over calls outside their level of support and assist customers with more complex technical issues requiring a greater level of personalized care and in greater length. In some situations, Mrs. Carr escalated support desk tickets to Level 3 in the most crucial circumstances after considerable time had been spent on a single ticket. Additionally, Mrs. Carr onboards and trains all incoming junior tech support specialists.

B.2 Qualifications of Dedicated Project Team

HQE's Key Personnel include company officers, directors, and associates who have over 155+ years of Mass Notification Systems engineering design, installation, and maintenance experience. All our leadership and key personnel have maintained TOP SECRET and SECRET security clearances and have direct experience servicing Mass Notification and Gunshot Detection Systems.

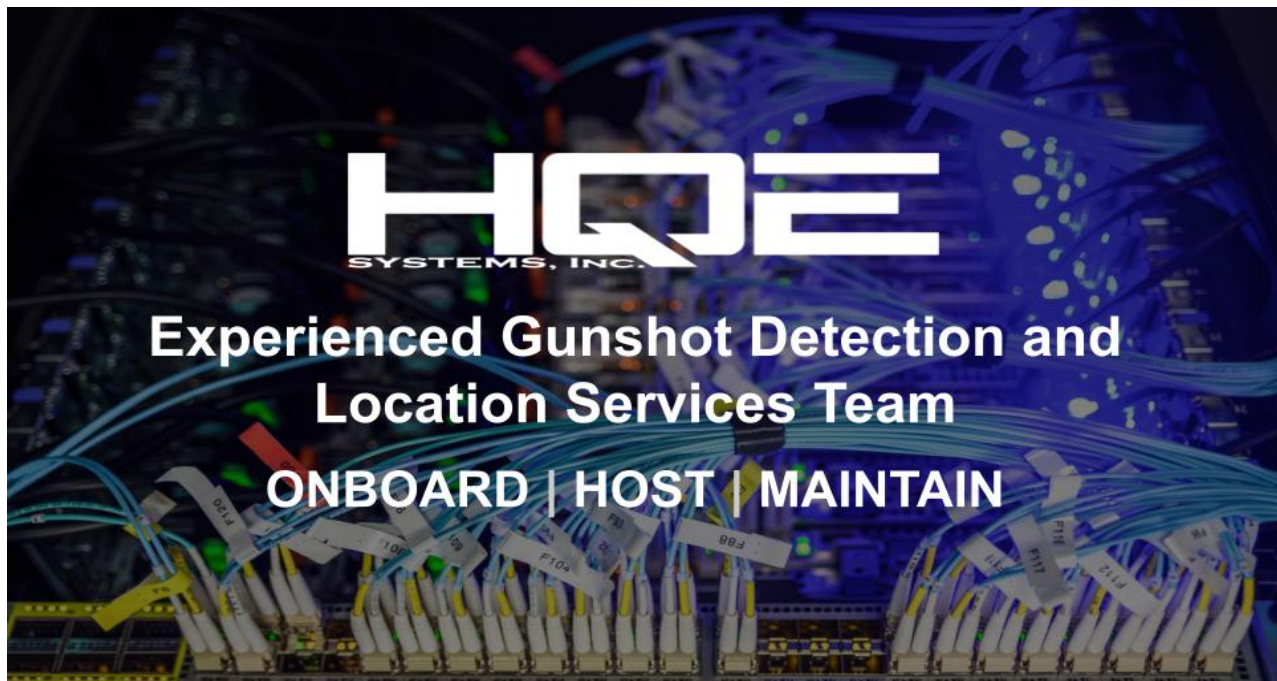
Dedicated Staff To This Project



Line	Project Staff	Key Responsibilities For The Project
1	Mr. Qais Alkurdi	Corporate Monitor - Systems and Contracts Management Subject Matter Expert
2	Mr. David Ditto	PMP Certified Program Manager - Primary POC to NCTCOG
3	Mr. Chuck Lewis	PMP Certified Program Manager - Quality Control (QC) and Quality Assurance (QA)
4	Mr. Nick Ellis	Engineering Manager - Systems Integrations, Cyber, and Systems Security
5	Ms. Desiree Carr	Customer Account Manager - Customer Support and Contract Coordination
6	Mr. Rodney Rayle	Support Services Manager - Provides Materials and Engineering Support
7	Mr. Charles West	Field Engineer - Coordinates With All OEMs To Meet Project Milestones & Timelines
8	Mr. Jaime Jauregui	Purchasing Tech - Procures All Materials To Meet The Project Schedule
9	Mr. Phillip Rhoads	Warehouse Tech - Prepares and Ships All Tools, Materials, and Equipment
10	Ms. Lara Batiz	Engineering Drafter - Provides All Technical Drawings, As-Builts, Documents
11	Mr. Javier Lopez	Software Engineer - Provides All Software Engineering Support To The Project
12	Mr. Jason Jensen	SR Project Manager - Supervises Technical Team 2 & Provides Customer Support
13	Mr. Kevin Ford	Field Engineer - Ensures All Systems Installed Meet OEM Engineering Standards
14	Mr. Dominick Anderson	Technician - Provides All Installations, Upgrades, and Maintenance Support
15	Mr. Joe Castle	Technician - Provides All Installations, Upgrades, and Maintenance Support
16	Ms. Rachel Hatcher	Project Manager - Supervises Technical Team 1 & Provides Customer Support
17	Mr. Andrew Hernandez	Field Engineer - Ensures All Systems Installed Meet OEM Engineering Standards
18	Mr. Fern Abundis	Technician - Provides All Installations, Upgrades, and Maintenance Support

Note: HQE's dedicated team deployed to the worksite will be from this dedicated team

B.3 Credentials Of HQE's Dedicated Gunshot Detection and Location Services Team



	Experience To Enable Project Success	Qais Alkurdi	David Ditto	Charles Lewis	Nick Ellis	Charles West	Kevin Ford	Andy Hern.	Fern Abundis	Rachel Hatcher	DJ Ander.	Curtis Canepa	Javier Lopez	Desiree Carr
1	Military Veteran	X		X	X	X	X	X	X		X			X
2	MNS Expert	X	X	X	X	X	X	X	X	X	X	X		
3	Formal Education	X	X	X	X	X	X	X	X	X	X		X	X
4	Project Management	X	X	X	X	X	X	X	X	X	X		X	X
5	Microsoft Office Suite	X	X	X	X	X	X	X	X	X	X	X	X	X
6	MNS Full Systems Design	X	X	X	X	X	X	X	X	X	X			
7	MNS Installation	X	X	X	X	X	X	X	X	X	X	X		
8	MNS Maintenance	X	X	X	X	X	X	X	X	X	X	X		
9	MNS Upgrades	X	X	X	X	X	X	X	X	X	X	X	X	
10	MNS Programming	X	X	X	X	X	X	X	X	X	X		X	
11	Remote Troubleshooting	X	X	X	X	X	X	X	X	X	X	X		
12	Analog Systems Upgrades	X	X	X	X	X	X		X	X			X	
13	Digital Systems Scaling	X	X	X	X	X		X		X		X	X	
14	Network Security	X	X	X	X	X	X	X	X	X	X		X	X
15	IP Based Systems	X	X	X	X	X	X	X	X	X	X	X	X	
16	Fiber Optics Cabling	X	X	X	X	X	X	X	X	X	X	X	X	
17	CAT Cabling / POE	X	X	X	X	X	X	X	X	X	X	X	X	
18	Media Cards / Switches	X	X	X	X	X	X	X	X	X	X	X	X	
19	Security Software	X	X	X	X	X	X	X		X	X	X	X	
20	Network Servers	X	X	X	X	X	X	X	X	X	X	X	X	
21	SAP Security Technology	X	X	X	X	X	X	X	X	X	X	X	X	X

Note: The above experience is assessed by HQE's management team for proficiency and understanding.

TAB C: References

Over the past three years, HQE has designed, implemented, and successfully handed over numerous projects worldwide. Our success has been built on our capabilities to be of value to our clients by providing the needed service at the right phase of the client's requirements. From small to major projects, HQE has participated in every phase of the requirements lifecycle. The below graphic depicts projects for which HQE was directly responsible for successfully completing the project. In the past 3 years, HQE has deployed multiple teams worldwide to earn a 5-star customer service rating in the Department of Defense's performance rating.


- ❖ **General Consulting:** Providing subject matter expertise to conduct gap analysis and design a partial or complete solution requirement that can be utilized to purchase a solution.
- ❖ **Project Management:** Providing oversight and operations management services to oversee a specified project.
- ❖ **Installation & Upgrades:** Providing hardware, software, and integration services for new capabilities. When requested, upgrade the current legacy system in place.
- ❖ **Maintenance & Sustainment:** Providing scheduled preventative and corrective maintenance. To include on-call service support for systems in place.
- ❖ **Full Turn-Key Projects:** Providing full-service support from start to finish of single or multiple projects. HQE's value to the client is that with our in-house design, engineering, installation, and software team, we can accomplish any size and scope project our clients require.



Note: All product names, logos, and brands are the property of their respective owners. All company, product, and service names used in this proposal are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.

C.1 References

1	U.S. Navy & Marines Corps	Past Performance Contract General Project Description
		<ul style="list-style-type: none"> ❖ Project Scope: Provided the U.S. Marine Corps with a comprehensive, unified mass communications system capable of issuing active shooter alerts, as well as notifications for weather, civil unrest, and other emergencies. This system includes electronic alerting, outdoor warning sirens, indoor public addresses, digital panic buttons, and alert devices in California, N. Carolina, S. Carolina, Arizona, Virginia, Washington D.C., Hawaii, Japan, and S. Korea). This solution covers all K-12 schools, early development centers, hospitals, government offices, and training areas for over 800K personnel. ❖ Project Complexities: Integrate Electronic Security System into complex military communication and security IT infrastructure, Installing ESS endpoints and Giant Voice into sensitive military sites that required detailed planning with multiple stakeholders ❖ Project Period: June 2018 - Present ❖ Project Value: \$4,805,496+
POC: Robert Brown - Program Director 843.990.2122 robert.k.brown1@ctrnavy.mil		
2	Town of Paradise, CA	Past Performance Contract General Project Description
		<ul style="list-style-type: none"> ❖ Project Scope: Provided a comprehensive alerting solution for active shooter, weather, civil unrest, and other emergencies. This system includes electronic alerting software with the capability to alert outdoor warning sirens and integrated CCTV cameras. Built-in capability to integrate all indoor spaces for future expansion. ❖ Project Complexities: The system has to meet FEMA funding requirements i.e. offered at the ideal budget, lowest cost point per variance) ❖ Project Period: May 2023 ❖ Project Value: \$1,964,000+
POC: Brian Solecki - Program Manager, 530.872.6291 x165, bsolecki@townofparadise.com		
3	Orlando, FL	Past Performance Contract General Project Description
		<ul style="list-style-type: none"> ❖ Project Scope: Provided unified mass communications system for active shooter, weather, civil unrest, and other emergencies. This system includes electronic alert notification software and outdoor and indoor mass communications hardware. In addition, provided upgrades to mobile mass communications trailers. ❖ Project Complexities: SiSA was installed to interface with new SiRcom systems as well as aging existing remote speaker locations. HQE's team has been working with the UCF customer to upgrade each system to SiRcom as required. ❖ Project Period: May 2022 - Present ❖ Project Value: \$210,000+
POC: Joe Thalheimer - Director, 407.882.7111, joseph.thalheimer@ucf.edu		

	DISA	Past Performance Contract Project Description
4		<ul style="list-style-type: none"> ❖ Project Scope: DISA required the installation of public address system equipment for a Mass Notification System, with active shooter alerts, pre-recorded messages and announcements, that is compatible with the fire alarm system and has a Paging interface (including SiRcom Central Control Station PC and SiSA Software, 30 Ceiling Speakers, 10 Exterior Horns) ❖ Project Complexities: Maintaining the existing system operational while a new system was being installed and without any as-built drawings. ❖ Project Period: January 2022 - February 2022 ❖ Project Value: \$186,567.96
POC: Guy Wells - guy.w.wells.civ@mail.mil - (303) 224-1665		

Note: The information above identified as value is assumed perceived value by the proposer. For multiple contracts, all details, budgets, and timelines are aggregated and may have multiple POCs even if only a single POC is identified.

TAB D: Project-Related Experience and Qualifications

The following information demonstrates that HQE has studied, assessed, and developed achievable and sustainable solutions to ensure the success of this project. In accordance with NCTCOG's request for a written response detailing HQE Systems Inc.'s ability to meet the requirements outlined in Section 5.2 of the Specifications, we have provided the following chart. HQE's senior management team, the dedicated lead project manager, engineers, and technicians have developed a fully comprehensive plan of action for every scope of work specification. Note that any contractual terms will be adhered to in addition to providing the specified requirements by NCTCOG.

#	NCTCOG Requirements	HQE Systems Inc. Response
5.2.1	Provide a general explanation and chart which specifies project leadership and reporting responsibilities, and how the team will interface with the Customer's project management and team personnel.	HQE has a dedicated project management team led by a certified Project Manager (PM) with extensive experience in deploying security systems, including gunshot detection solutions. Please refer to Section B.2 for HQE's Qualifications of Dedicated Project Team which includes HQE's organizational chart.
5.2.2	Any goods or services not outlined in the Scope of Work that you wish to offer.	In addition to the gunshot detection systems, HQE offers supplementary services, including system integration with existing video surveillance systems, AI-driven threat detection analytics, and advanced cybersecurity measures to protect sensitive data. HQE also offers post-incident data analysis, which includes a detailed breakdown of events and a forensic review of system performance. Additionally, we provide ongoing training services for security personnel to maximize the effectiveness of the gunshot detection systems.
5.2.3	Any major requirements that cannot be met by your firm.	HQE can meet all the requirements outlined in the RFP. There are no major requirements that we are unable to fulfill. Our technology and service offerings are fully compliant with the requested specifications and standards.
5.2.4	List the business location(s) out of which your firm's team members will work from. You are encouraged to provide options to cover multiple geographic areas outside of Dallas/Fort Worth.	HQE operates from multiple locations, with its headquarters in Temecula, CA. We have additional support offices in Dallas, TX, and Charleston, SC, allowing us to effectively serve customers across different regions. For projects in the North Central Texas area, the Dallas office will serve as the primary point of contact, ensuring rapid response times and localized support.
5.2.5	Provide an overview of Proposer's organization, size, years in business, and experience; major clients; and other information that you feel would assist in our evaluation process.	HQE is a technology solutions provider with 86 employees and over 15 years of experience in deploying security and emergency management systems. We specialize in gunshot detection, video management systems, and emergency mass notification systems. Our clients include government agencies such as the State of Alaska, Marine Corps Bases, and municipalities like the City of Galveston, TX. HQE has a proven track record of delivering reliable security solutions

		under tight deadlines, with 95-99% message delivery rates in emergency situations.
5.2.6	Describe your invoicing process. Payment terms? Is payment by credit card accepted?	HQE uses a transparent and structured invoicing process. We issue invoices monthly, based on project milestones or deliverables as defined in the contract. Payment terms are typically Net 30, but we are flexible and open to discussing terms that suit the Customer's needs. We do accept payments by credit card, electronic transfer, ACH payments, and checks. Invoices include detailed breakdowns of services rendered, equipment costs, and any applicable taxes or fees.
5.2.7	Include a list of no more than five (5) similar contracts awarded within the last 5 years.	We have installed and continue to support SiSA systems with active shooter alerts at multiple U.S. Navy & Marines Corps based worldwide, Town of Paradise, CA., the University of Central Florida, and the Defense Information Systems Agency. Please refer to section C.1 for HQE's past performance.
5.2.8	Identify any contracts within the past three years that were terminated due to non-performance.	HQE has had no contracts terminated due to non-performance in the past three years. All contracts have been completed successfully, meeting or exceeding client expectations.
5.2.9	State the warranty and length of same that may apply to the goods or services you are proposing.	HQE offers a comprehensive warranty on all gunshot detection systems, covering both hardware and software components. The warranty is valid for 12 months from the date of installation, with the option to extend for additional years through a maintenance and support contract. Our warranty covers any system defects or malfunctions, with guaranteed response times for service requests. Extended warranties and service plans are available for up to 5 years.

TAB E: Technical Proposal

In response to NCTCOG's request for detailed capabilities, knowledge, and skills related to the deliverables and expectations outlined in Section 5.1 of the Specifications, HQE has prepared the following comprehensive answers. This chart provides clear and thorough responses to each question, demonstrating HQE's expertise in providing advanced gunshot detection systems. The responses address key aspects of the proposed technology, operational requirements, implementation strategies, and compliance with the specifications of the RFP. Each response highlights HQE's ability to deliver a reliable, scalable solution that meets the specific needs of NCTCOG and its associated entities.

#	NCTCOG Requirements	HQE Systems Inc. Response
5.1.1	Describe the proposed technology and how it works (including hardware and software).	<p>The EAGL Technology Gunshot Detection Sensors consist of Indoor, Outdoor, Body-Worn, and Mobile devices that function in a unique way that creates a sensor that is fast, accurate to 99.9997%, and simple to install/deploy.</p> <p>The indoor devices, called TALON, are typically battery operated (with a 5-year battery life) and communicate using a proprietary, encrypted wireless link. Making them very simple to install and maintain with limited infrastructure needs which contributes to a large cost savings.</p> <p>Outdoor sensors, called DragonFly, are like the indoor Talon being both wireless and battery operated (7-year battery life) with the addition of cellular communication options and a solar panel for charging. There are also the body-worn, BlueFly, and vehicle-based, TransitFly, devices.</p> <p>EAGL Technology's patented gunshot identification is based on energy detection and multi-part authentication techniques and does not use audio as other gunshot detection sensors. Because EAGL's patented technology uses energy and not audio to detect and verify a gunshot, it is much less prone to environmental and situational interference, such as from extraneous sound and light, and the accuracy and distance reach are the top in the industry with a 1-2 second response and a coverage area from 31,000sqft indoors to over 785,000sqft outdoors.</p> <p>The sensors function as follows: essentially the sensors are asleep to conserve power unless self-testing and/or reporting the detection of an energy-based gunshot event. Once any energy event takes place, the sensor is instantly awake and examines the digital waveform for several characteristics typically only seen in the energy created by the muzzle blast of a gun or rifle. The first characteristic is the energy level, which must surpass a base threshold before the sensor performs the next steps. Once that threshold is met, the sensor then</p>

		<p>looks for specific markers within the energy's digital waveform that take place only when a real gun discharges. If the sensor identifies those markers, a portion of the digital waveform is then passed to the EAGL system. The EAGL System then uses patented mathematical algorithms to further inspect the digital waveform which, if a gunshot, will then verify to a Six-Sigma (99.999997%) rate of accuracy. However, the system does not stop there, it then subjects the "signature" from the digital waveform to further scrutiny and filtering based on an internal mechanism called a "Sequencer" which can verify the "Fingerprint" and mark it as Pass/Fail.</p> <p>Once past all the scrutiny within the EAGL Solution, and if a gunshot was truly detected, EAGL utilizes its patented automation platform, called "Adaptive Response", to perform pre-determined functions such as locking areas down, controlling lighting, making audible announcements, sending information in Text, Email, Voice Calls, E911, Satellite Imagery, Enhanced Digital Floor Maps, Camera access, live alarms, accessible over any browser-based device. Additionally, the system delivers detailed information to any other standard-based system as required through our standard API interface included in the system.</p> <p>Since the EAGL System is an Emergency Automation Platform, the aim is to eliminate the time lost during most emergencies by providing all of the information to all who need it, in every format possible, while performing functions to substantially slow the bad part of the event – giving both the people in harm's way and those responding extra time – all while delivering the tools and enhanced situational awareness to all that need it.</p> <p>The EAGL System can also give a triangulated position of a gunshot with an accuracy of 6 feet or give the flight path (Trajectory) of the projectile.</p>
5.1.2	What kind of weapons can be detected (knives, guns, IED, etc.)?	<p>The EAGL Emergency Automation Platform has an assorted array of triggers and inputs that can be used for custom activation that can cover both mundane and emergency responses. The System can use our patented indoor/outdoor/body-worn/vehicle-based Gunshot detection sensors for the detection of any firearm discharge with an accompanying ID (Rifle, Handgun, Shotgun) and it can use camera based AI, using direct integration, that can detect brandished weapons such as a gun or rifle, and knives, as well as fights, slip and fall, intrusion, smoke, fire, and even both license plate and facial recognition.</p> <p>In addition to all of those activation capabilities, the EAGL solution also offers wireless panic buttons, wireless emergency pull stations, Smart Phone Apps, and even Vape sensors are among the systems</p>

		offering which allow the solution to be leveraged for multiple uses.
5.1.3	What kind of sounds can be detected?	The EAGL System does not use sound as a detection source. Our patented gunshot detection technology uses the energy and accompanying digital waveform only to determine a gunshot. There is no audio path through the system that can listen, record, or playback maintaining complete privacy at all times.
5.1.4	Explain the operating staff requirements.	The EAGL system is designed to operate with minimal staff intervention. Once installed, the system runs autonomously, sending real-time alerts directly to security personnel and law enforcement as needed. A designated system administrator is recommended to oversee system maintenance, manage user access, and ensure that software updates are applied when necessary. HQE also provides 24/7 technical support for any operational issues that arise, ensuring smooth system operation. For larger installations, an additional security team member may be assigned to monitor the EAGL dashboard for live incidents.
5.1.5	Provide an example work schedule overview for implementation.	<p>The implementation of the EAGL system and the SiSA software solution will follow a structured schedule:</p> <ol style="list-style-type: none"> Planning Phase (1-2 weeks): On-site evaluation of the facility to determine sensor placement and coverage requirements. Design Phase (2-4 weeks): Development of a custom system design and integration plan. Installation Phase (4-8 weeks): Installation of sensors and hardware, software setup, and configuration. Testing and training phase (1-2 weeks): Testing the system to ensure proper functioning and fine-tuning sensor sensitivity. Training for security personnel and administrators. Customer Support Phase (1 week): Specified technical and warranty services. Go-Live (1 week): Final system activation and handover to the client. <p>Please refer to section E.3 for a detailed breakdown of HQE's work schedule overview for implementation</p>
5.1.6	Explain how you will supervise the implementation.	The implementation process will be supervised by an HQE Project Manager (PM) with extensive experience in deploying gunshot detection systems. The PM will coordinate all phases of the project, ensuring that both the SiSA and EAGL system components are installed and calibrated correctly. Regular updates will be provided to the Customer's project management team, with milestone reviews at each stage of installation. HQE's quality assurance team will also conduct periodic audits during the implementation phase to ensure that all components meet operational standards.

		Post-implementation, HQE offers monitoring services to ensure system efficiency and effectiveness.
5.1.7	Any parts & equipment customer is expected to provide?	<p>HQE provides all necessary equipment, including the EAGL system, mounting hardware, and the SiSA software licenses. The customer is expected to provide access to existing network infrastructure, such as internet connectivity and server space for the system to operate efficiently. In some cases, additional power sources or network modifications may be required, which will be coordinated with the customer during the site assessment phase.</p> <p>Please refer to section F.1 for further details on HQE's Bill of Material.</p>
5.1.8	Identify any subcontractors or third-party services that will be utilized in the performance of the services.	HQE performs the majority of work in-house, but for large-scale installations, we partner with certified third-party contractors for certain components, such as electrical wiring and sensor mounting. All subcontractors undergo a rigorous vetting process to ensure they meet HQE's quality and safety standards. The subcontractors we engage are typically local to the project area to facilitate rapid installation and minimize downtime.
5.1.9	Describe and clearly indicate any exceptions to the specifications or requirements found in this RFP.	HQE has carefully reviewed the specifications of this RFP and finds no exceptions. The proposed SiSA and EAGL solution is fully compliant with all technical, operational, and performance requirements outlined in the RFP.

E.1 HQE's Proposed Management Software Solution: SiSA

The **SiRcom SMART Alert System ("SiSA")** offered to NCTCOG is the world's SMARTEST agile mass notification software that will meet or exceed your requirements.



SiSA is deployable for immediate coverage for your organization with no limitations.

- ❖ **Unlimited Deployment Capable**

- SiRcom has currently deployed to all levels of the Government & Dept. of Defense.

- ❖ **Most Secure Alerting Software**

- SiRcom's Advanced Encryption Security was developed to the Department of Defense standards which utilize the Advanced 256BIT AES security protocols.

- ❖ **Unlimited Scalability**

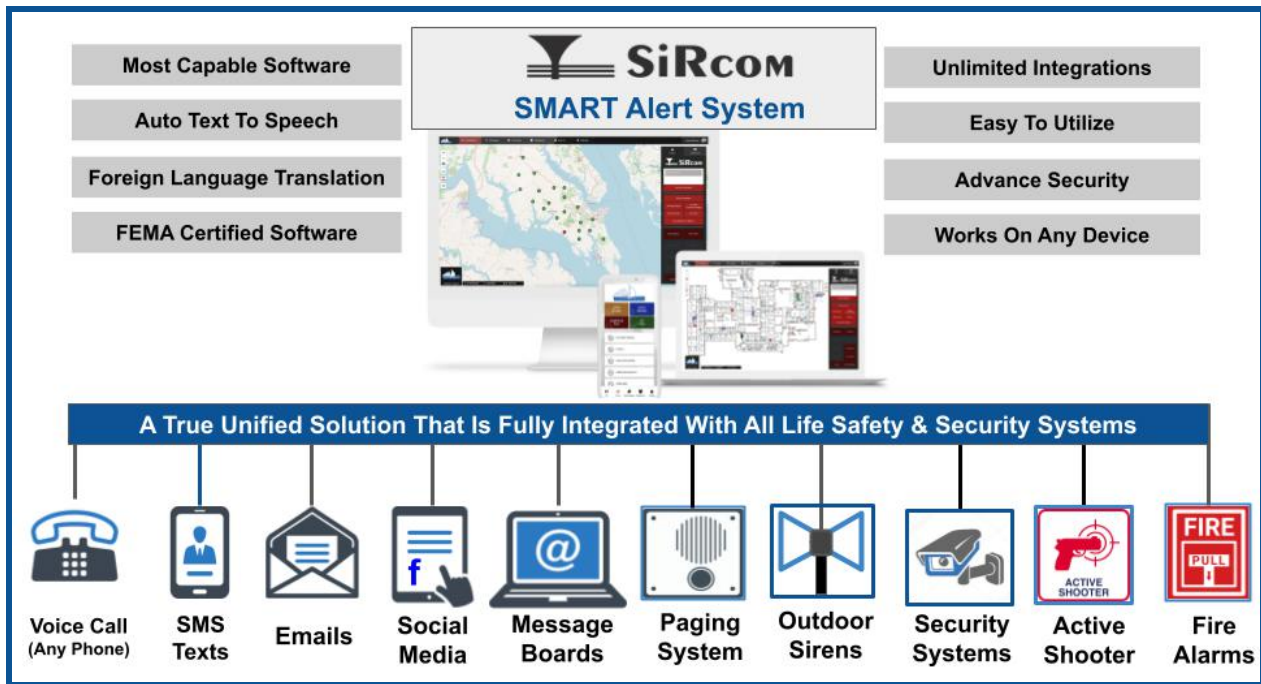
- SiRcom's core backbone was written with Deep Machine Learning Algorithms with components of the software that are capable of supporting an unlimited number of users, locations, and systems integration for management.

- ❖ **Fully Compliant and Certified Software**

- SiRcom's security, data protection policies, and control measures are based on the Federal Information Security Management Act (FISMA) risk management and mitigation framework that is defined by the National Institute of Standards and Technology (NIST). SiRcom is assessed and inspected by a 3rd Party Assessment Organization and holds current certifications for SysTrust Statement on Standards for Attestation Engagements and Service Operations Controls SOC2 and SOC3.

SiSA Can Integrate All Of Your Life Safety & Security Systems Into A Single Portal

SiSA Will Work With All Your Current & Future Systems: (Below) SiSA can integrate all your existing or future 3rd Party Hardware and Software systems into SiSA's single management portal. This integration capability allows any organization of any size to increase the efficiency and overall effectiveness of its life safety and security system. (Note: The information below is offered for information purposes only as the proposed solution for this project is focused on electronic notifications only.) However, to include the hardware integrations, HQE is capable of providing this integration solution at any time in the future.



SiSA is currently integrated with over 100+ life safety and security systems worldwide, from highly sophisticated Department of Defense systems to simple fire alarms. Our limitless integration capabilities are achievable because SiSA was developed with Deep Machine Learning Algorithms and has an Application Programming Interface (API) that will seamlessly integrate all 3rd party systems.

We understand that sometimes 3rd party software and hardware systems don't have or won't be provided with an API. Do not worry. HQE's in-house software and systems integration engineers can provide a solution and a workaround option to help you modernize your legacy systems while leveraging SiSA as your emergency alert system. In addition, SiSA can automate all of your database management to ensure that your alerts are sent to your latest recipients list in your database software.



Note: Above depicts other alerting options not included in this proposal (i.e. PA Systems, Outdoor Sirens, Desktop Alerts, etc.)

E.2 HQE's Proposed Gunshot Detection Sensor: Eagle Dragonfly IoT



The outdoor wireless gunshot sensor by EAGL Technology being offered to NCTCOGn operates with precision, combining energy capture, waveform analysis, and seamless transmission of data to the Emergency Automatic Gunshot Detection & Lockdown (EAGL) System, constituting a robust Gunshot Detection System (GDS). This compact, self-contained sensor is battery-operated and employs advanced energy waveform algorithms for threat versus non-threat validation analysis. Housed within a resonance chamber, it offers versatile mounting options on flat walls, corners, or poles, ensuring an optimal spherical detection coverage area of approximately 785,398 square feet. The sensor's communication capabilities, utilizing either LoRa or IoT based on application requirements, enable effective wireless transmission of threat validation data to the EAGL System Server via internal Quectel. Upon reception, the EAGL System Server processes the data, triggering pre-programmed automatic and autonomous Adaptive Response features. Additionally, the sensor receives calibration data from the EAGL Server, establishing a comprehensive and integrated approach to gunshot detection and response.

❖ Gunshot Detection

EAGL's patented Talon and DragonFly™ sensors use waveform analysis to measure the energy levels produced during a gunshot. If the initial validation confirms a gunshot, the collected waveform data is then sent to the EAGL server for additional analysis using sophisticated algorithms.

❖ Analysis

If the sensors confirm a detection event as a potential threat, it undergoes a second round of analysis on the EAGL server for additional validation. If this second step yields positive results, indicating a gunshot, the server enters an alarm state, triggering the initiation of the Adaptive Response.

❖ Response

Upon alarm, the SiRcom SMART Alert server launches a series of response actions that can include:

- 911 Dispatch ➤ Email/Text ➤ Phone calls ➤ ACS Integration
- CCTV Integration ➤ Relay Outputs ➤ 3rd Party API Integration ➤ PA System

❖ Installation Solution

The sensors can be mounted on poles or building exteriors, establishing a wireless communication network between each sensor and the central server. This wireless setup, combined with a built-in solar-powered battery backup, offers NCTCOGn a fully wireless solution that demands minimal infrastructure and maintenance.

E.3 Schedule

HQE's strength is in our ability to implement the solution efficiently and effectively. While the implementation project schedule may change due to unforeseen circumstances and project complexities, HQE can deploy the solution faster than the time stated below if requested by NCTCOG. HQE's Onboarding Project Manager and his team will work closely with NCTCOG's project team to understand and define the technical and functional requirements. The team will also define the project's success for both sides during the initial kickoff meeting during the software planning phase. Below is a sample implementation project schedule for review.

Project Approach Stages and Tasks					Participants		
#	Main Task	Sub Task	Work Days	Planning Phase: The purpose of this phase is for HQE to capture all the updated information from the Client and Suppliers to detail a POA&M to enable the project's success.	HQE	NCTCOG	SiRcom & Eagl
1	PLAN	Contract Award	1	Notification of Contract Award is issued to HQE. HQE executes the contract with NCTCOGn OEM.	X		X
2	PLAN	Kick-Off Meeting	3	Off Meeting HQE will conduct a project kick-off meeting with all stakeholders to discuss the schedule, quality, risks, and project sustainment as outlined in the RFP.	X	X	
3	PLAN	POA&M	5	HQE will develop a detailed POA&M listing all tasks required to complete the installation:	X		X
				Site Survey (with a detailed report to follow)	X		X
				Long Lead Item Procurement	X		X
				Installation IDP	X		X
				Equipment Procurement	X		X
				Installation (i.e., HQE on-site)	X		
				Burn-In Period and Training	X		
				Stakeholder Acceptance Testing (i.e., Test & Checkout)	X		
				As-Built Drawings	X		
4	PLAN	Site Survey	1	If an additional site survey is necessary, HQE will visit the installation sites and survey the installation areas to ensure a detailed understanding of site conditions.	X	X	X
This main task ends: When NCTCOGn OEM approves the project POA&M and the site survey is executed (if a site survey is required).							
#	Main Task	Sub Task	Work Days	Design Phase: The purpose of this phase is for HQE to capture all the updated information from the Client and Suppliers to detail a POA&M to enable project success.	HQE	NCTCOG	SiRcom & Eagl
6	DESIGN	Design Package	10	HQE will create all drawing packages by the approved POA&M, referenced drawing standards,	X		X

				and previous drawing packages (if applicable).			
7	DESIGN	Installation Readiness Review (IRR)	14	Before the commencement of installation activities, an IRR will be conducted by HQE and attended by NCTCOG Stakeholders.	X	X	X
This main task ends when: NCTCOGn OEM approves the design plans.							
#	Main Task	Sub Task	Work Days	Install Phase: The purpose of this phase is for HQE to incorporate all the information from the scope of work, coordination meetings, and site survey to design the desired solution for NCTCOGn OEM accurately.	HQE	NCTCOG	SiRcom & Eagl
8	INSTALL	Installation In-Brief	1	HQE's onsite team will conduct an Installation In-Brief with NCTCOG Stakeholders and all relevant site personnel.	X	X	
9	INSTALL	Jobsite Protection	1	HQE will ensure all onsite installation work proceeds in such a manner as to minimize the spread of dust and debris and to provide safe working conditions for workers and local personnel.	X		
10	INSTALL	Jobsite Safety	1	HQE will conform to any site-specific safety requirements when performing contract-related work and will take any additional precautions that NCTCOG Stakeholders or site safety officers may reasonably require for safety and accident prevention purposes.	X		
11	INSTALL	Project Installation	60	HQE will install all equipment and material by the dates submitted in the approved POA&M and approved Installation IDP.	X		
This main task ends when: HQE has concluded all of the installation sub-tasks.							
#	Main Task	Sub Task	Work Days	Test & Training Phase: The purpose of this phase is for HQE to conduct tests and turnover of the installed solution. In addition, HQE should provide training to NCTCOGn OEM.	HQE	NCTCOG	SiRcom & Eagl
12	TEST & TRAINING	Burn-In	2	After the installation is complete, HQE will conduct a 24-hour Burn-In Period allowing the installed system to run uninterrupted.	X	X	
13	TEST & TRAINING	Acceptance Test	2	HQE will use an Acceptance Test Plan (ATP) to demonstrate that the new system/equipment has been professionally installed and is ready for site acceptance.	X	X	
14	TEST & TRAINING	Installation Out-Brief	2	After conducting the Acceptance Test, HQE will hold an Installation Out-Brief with NCTCOG Stakeholders. The results of the formal acceptance testing will be provided to the site for review, and feedback from the site shall be collected.	X	X	
15	TEST & TRAINING	Installation Close-Out &	2	Installation/Project Close-Out Once NCTCOGn OEM has accepted the system, HQE will complete	X	X	X

		Deliverables		installation/project close-out activities to include:			
			-	Turn over all client-provided system/equipment documentation.	X	X	
			-	Submit Installed Equipment List	X	X	
			-	Submit final As-Built	X	X	
			-	Submit Geobase Data list	X	X	
16	TEST & TRAINING	Training		HQE's Master Trainers will conduct on-site training for NCTCOGn OEM staff.	X	X	

This main task ends when: NCTCOGn OEM has signed off on the project acceptance certificate and all staff have concluded the designated training.

#	Main Task	Sub Task	Work Days	Customer Support Phase: The purpose of this phase is for HQE to provide the specified technical and warranty services as requested in the solicitation.	HQE	NCTCOG	SiRcom & Eagl
17	Customer Support	Security Patches	365	HQE provides security patches as required.	X		X
18	Customer Support	Software Updates	365	HQE provides software updates as required.	X		X
19	Customer Support	Systems Planning	365	HQE provides annual systems planning support as required.	X		X
20	Customer Support	Support	365	HQE provides technical and customer support as required.	X		X
21	Customer Support	Warranty	365	HQE provides warranty support as required.	X		X
22	Customer Support	Contract Close-Out	365	HQE to return all the data requested by NCTCOGn OEM	X		

This main task ends when: The specified customer, technical, and warranty service period has concluded.

* NOTE: HQE's initial plan offered can be modified if desired by NCTCOGn OEM. We understand that the details of the project and timelines may have changed since the posting of the solicitation.

TAB F: Pricing

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EXHIBIT 1 CATEGORIES SELECTED, DISCOUNTS FOR PRICING & CURRENT PUBLISHED PRICE LIST

- Please place a checkmark next to each Category that you are offering in your proposal:

☒ Service Category #1: Gunshot Detection Systems

☒ Service Category #2: Other Ancillary Services

- Proposed Contractual Discounts on Pricing for Categories Offered

For each of the categories you selected above, provide your proposed **discount** off your list price on the attached *Bid Price Worksheet*. You may offer tiers of discounts based on the different bid items or the sale quantity.

3-5%

- Current Published Price List for Items Offered

For each of the bid items you wish to offer, please provide the current published list price. Please attach this information to your proposal on a separate sheet or via a weblink. Please match the Category item number from the Bid Price Worksheet to the matching item on your current published price list.

Please refer to section F.1 and F.2 for the published list price.

NOTE: The current price list will NOT be a part of your contractual obligation and may be modified at your discretion during the term of any contract that is awarded to you. You are however requested to provide us with an updated version of the current price list whenever it is updated. Only the percentage discount is contractually obligated.

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BID PRICE WORKSHEET FOR RFP #2025-003

Service Category #1: Gunshot Detection Systems		
Item	Description	% Discount Off Your Regular List Price
1	Technology Products	3-5%
2	Implementation	5%
Service Category #2: Other Ancillary Services		
Item	Description	% Discount Off Your Regular List Price
2	Describe Below:	
A	System Accessories and Options	3-5%
B	Outdoor Digital Mass Notification System	3-5%
C	Indoor Mass Notification & Public Address System Integration	3-5%

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EXHIBIT 2
SAMPLE MARKET BASKET FORM

For the items on the MARKET BASKET WORKSHEET, please enter your current unit price for the items you are offering in your proposal. You may attach, or link to, a copy of your current list pricing. This form is for evaluation purposes only and will not be part of any awarded contract.

Please refer to Section F.1 and F.2 for the current unit price.

Exhibit 2 - Market Basket Worksheet for RFP #2024-138

Service Category #1: Gunshot Detection Systems

Item	Description	Qty	Unit of Measure	Current List Price	% Discount	Net Price After Discount
1	Provide your current list price for product and services. (You may attach a copy of, or link to, the price list.)				3-5%	

See Attached Price Lists

Please refer to Section F.1 and F.2 for the current unit price.

F.1 EAGL Catalog 2024

Part Number	Description	Unit	List Price	Discount Off of List Price	Price	Service Category
Servers						
EAGLB0001	EAGL Server - 2U System	EA	\$ 25,000.00	5.00%	\$ 23,750.00	Service Categories 1 & 2
EAGLC0000	EAGL with three EFM's (video,access,balistic)	EA	\$ 60,000.00	5.00%	\$ 57,000.00	Service Categories 1 & 2
EAGLC0011	EAGL Cloud Service (See SaaS)	EA	\$ -	5.00%	\$ -	Service Categories 1 & 2
EAGLV0001	EAGL Vape-Only Server	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Category #2: Other Ancillary Services
EAGLK12	EAGL K-12 Basic Package Cloud-Based EAGL - requires 3 years contract at \$315/Month	EA	\$ 6,850.00	5.00%	\$ 6,507.50	Service Categories 1 & 2
EAGLRLB	EAGL Redundant Server	EA	\$ 6,000.00	5.00%	\$ 5,700.00	Service Categories 1 & 2
EAGL Enhanced Function Modules ("EFMs")						
EAGLEFM001	Ballistic Analysis	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Category #1: Gunshot Detection Systems
EAGLEFM002	Access Control Integration	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2
EAGLEFM003	Camera Integration	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2
EAGLEFM004	Genetec Security Sensor Integration	EA	\$ 8,900.00	5.00%	\$ 8,455.00	Service Categories 1 & 2
EAGLEFM005	Eagljectory	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2
EAGLEFM006	Eagl Triangulation	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2
EAGLEFM007	Eagl CAD Integration	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2

EAGLEFM008	EAGL SafeApp for Local Server	EA	\$ 12,000.00	5.00%	\$ 11,400.00	Service Categories 1 & 2
CityWeb Option (Indoor)						
CWISB	CityWeb indoor battery operated	EA	\$ 900.00	5.00%	\$ 855.00	Service Category #1: Gunshot Detection Systems
Talon - EAGL Sensor Options (Indoor)						
TAL12V	Talon indoor 12V	EA	\$ 1,200.00	5.00%	\$ 1,140.00	Service Category #1: Gunshot Detection Systems
TALSB	Talon Lora Board battery operated	EA	\$ 1,300.00	5.00%	\$ 1,235.00	Service Category #1: Gunshot Detection Systems
TALSB-RC	Talon Recessed Flush Mount Indoor Gunshot Sensor	EA	\$ 1,300.00	5.00%	\$ 1,235.00	Service Category #1: Gunshot Detection Systems
DragonFly® - EAGL Sensor Options (Outdoor)						
DYLSB	DragonFly® Lora Board - Solar	EA	\$ 1,300.00	5.00%	\$ 1,235.00	Service Category #1: Gunshot Detection Systems
DYIOT	DragonFly® IoT - Solar	EA	\$ 1,500.00	5.00%	\$ 1,425.00	Service Category #1: Gunshot Detection Systems
DYLSBEX	DragonFly® Extreme LoRa Board - Solar	EA	\$ 3,300.00	5.00%	\$ 3,135.00	Service Category #1: Gunshot Detection Systems
DYIOTEX	DragonFly® Extreme IoT - Solar	EA	\$ 3,300.00	5.00%	\$ 3,135.00	Service Category #1: Gunshot Detection Systems
DYTRIEX	DragonFly Extreme Triband - Solar	EA	\$ 9,000.00	5.00%	\$ 8,550.00	Service Category #1: Gunshot Detection Systems
Gateway Receiver Options						
GWLIND	Eagl Lora Gateway - Indoor	EA	\$ 825.00	5.00%	\$ 783.75	Service Categories 1 & 2
GWLOUT	Eagl Lora Gateway - Outdoor	EA	\$ 825.00	5.00%	\$ 783.75	Service Categories 1 & 2

GWOTIND	Eagl IoT Gateway - Indoor	EA	\$ 950.00	5.00%	\$ 902.50	Service Categories 1 & 2
GWOTIOUT	Eagl IoT Gateway - Outdoor	EA	\$ 950.00	5.00%	\$ 902.50	Service Categories 1 & 2
GWLRPIND	Gateway Repeater	EA	\$ 825.00	5.00%	\$ 783.75	Service Categories 1 & 2
Other Sensors						
BLFYIOT	BlueFly IoT Wearable Unit	EA	\$ 799.00	5.00%	\$ 759.05	Service Category #2: Other Ancillary Services
BLFYLR	BlueFly Lora Wearable Unit	EA	\$ 799.00	5.00%	\$ 759.05	Service Category #2: Other Ancillary Services
PBLSB	EAGL Wireless Panic Button	EA	\$ 450.00	5.00%	\$ 427.50	Service Category #2: Other Ancillary Services
PSLSB	EAGL Panic Pull Station	EA	\$ 495.00	5.00%	\$ 470.25	Service Category #2: Other Ancillary Services
EAGLVAPE	EAGL Vape Sensor	EA	\$ 830.00	5.00%	\$ 788.50	Service Category #2: Other Ancillary Services
TRFLYIOT	EAGL TransitFly	EA	\$ 650.00	5.00%	\$ 617.50	Service Category #2: Other Ancillary Services
Annual Licensing and Software Support						
EAGLALS80	For server EAGLB0000, ALSS licensing capped at 60 sensors.	EA	\$ 9,000.00	3.00%	\$ 8,730.00	Service Categories 1 & 2
EAGLALSS-T1	EAGL Annual Licensing and Software Support - LoRa Alarm Devices 1 - 300 Count	EA	\$ 150.00	3.00%	\$ 145.50	Service Categories 1 & 2
EAGLALSS-T2	EAGL Annual Licensing and Software Support - ALL Alarm Devices 301 - 1000 Count	EA	\$ 125.00	3.00%	\$ 121.25	Service Categories 1 & 2

EAGLALSS-T3	EAGL Annual Licensing and Software Support - ALL Alarm Devices Over 1001 Count	EA	\$ 100.00	3.00%	\$ 97.00	Service Categories 1 & 2
EAGLALIOT	EAGL Annual Licensing and Software Support - IoT Devices 1 - 300 Count	EA	\$ 255.00	3.00%	\$ 247.35	Service Categories 1 & 2
Mounts						
TAWM	Talon Wall Mount	EA	\$ 21.00	5.00%	\$ 19.95	Service Category #1: Gunshot Detection Systems
DYWM	DragonFly Wall Mount	EA	\$ 29.00	5.00%	\$ 27.55	Service Category #1: Gunshot Detection Systems
DYPM	DragonFly® Pole Mount	EA	\$ 25.00	5.00%	\$ 23.75	Service Category #1: Gunshot Detection Systems
DYCM	DragonFly® Corner Mount	EA	\$ 32.00	5.00%	\$ 30.40	Service Category #1: Gunshot Detection Systems
GWWM	Gateway Wall Mount	EA	\$ 22.00	5.00%	\$ 20.90	Service Category #1: Gunshot Detection Systems
Accessories / Misc.						
EAGLVOX	EAGL Audio Module EAGL-Vox	EA	\$ 479.00	5.00%	\$ 455.05	Service Categories 1 & 2
EAGLRelay104	Remote Relay Board 2 Channel	EA	\$ 299.00	5.00%	\$ 284.05	Service Categories 1 & 2
EAGLRelay106	Remote Relay Board 8 Channel	EA	\$ 325.00	5.00%	\$ 308.75	Service Categories 1 & 2
EAGLIN108	Remote Input Board	EA	\$ 299.00	5.00%	\$ 284.05	Service Categories 1 & 2
Cloud Subscription Options						
EAGLSaaS-F	Full Subscription	Per Month	\$ 75.00	3.00%	\$ 72.75	Service Categories 1 & 2

		/ Device				
EAGLSaaS-T1	Tier 1 Subscription	Per Month / Device	\$ 35.00	3.00%	\$ 33.95	Service Categories 1 & 2
EAGLSaaS-T2	Tier 2 Subscription	Per Month / Device	\$ 25.00	3.00%	\$ 24.25	Service Categories 1 & 2
EAGLSaaS-T3	Tier 3 Subscription	Per Month / Device	\$ 15.00	3.00%	\$ 14.55	Service Categories 1 & 2
SETUPCHG	Cloud Server Setup Charge	Per Month / Device	\$ 600.00	3.00%	\$ 582.00	Service Categories 1 & 2
EAGLK12 Subscription Options						
EAGLK12PA	PA System Integration	Per Month / System	\$ 20.00	3.00%	\$ 19.40	Service Categories 1 & 2
EAGLK12VI	Camera Integration	Per Month / Camera	\$ 20.00	3.00%	\$ 19.40	Service Categories 1 & 2
EAGLK12AC	Access Control Door Integration	Per Month / Door	\$ 20.00	3.00%	\$ 19.40	Service Categories 1 & 2
Other Subscription Options						
EAGLE911	EAGL 911 Emergency Dispatch Call Service - 3 Year Agreement Required, Invoiced Annually	Per Month	\$ 60.00	3.00%	\$ 58.20	Service Categories 1 & 2
EAGLSAFE	EAGL Mobile Safety APP - 3 Year Agreement	Per Month	\$ 7.99	3.00%	\$ 7.75	Service Categories 1 & 2

	Required, Invoiced Annually - Less than 500 Users					
EAGLSAFE	EAGL Mobile Safety APP - 3 Year Agreement Required, Invoiced Annually - Between 501-1000 Users	Per Month	\$ 6.99	3.00%	\$ 6.78	Service Categories 1 & 2
EAGLSAFE	EAGL Mobile Safety APP - 3 Year Agreement Required, Invoiced Annually - More than 1001 Users	Per Month	\$ 5.99	3.00%	\$ 5.81	Service Categories 1 & 2
EAGLCLIENT	EAGL Desktop Client - 3 Year Agreement Required, Invoiced Annually - Less than 500 Users	Per Month	\$ 7.99	3.00%	\$ 7.75	Service Categories 1 & 2
EAGLCLIENT	EAGL Desktop Client - 3 Year Agreement Required, Invoiced Annually - Between 501-1000 Users	Per Month	\$ 6.99	3.00%	\$ 6.78	Service Categories 1 & 2
EAGLCLIENT	EAGL Desktop Client - 3 Year Agreement Required, Invoiced Annually - Greater than 1001 Users	Per Month	\$ 5.99	3.00%	\$ 5.81	Service Categories 1 & 2
EAGLWEAP-AI	Weapon Detection - 3 Year Agreement Required, Invoiced Annually	Per Month / Camera	\$ 90.00	3.00%	\$ 87.30	Service Categories 1 & 2
Implementation Rates						
HQE-PRGM-M NGR	Labor, Hourly, Program Management	Per Hour	\$ 147.00	5.00%	\$ 139.65	Service Categories 1 & 2
HQE-PROJ-MN GR	Labor, Hourly, Project Management	Per Hour	\$ 96.30	5.00%	\$ 91.49	Service Categories 1 & 2
HQE-FE	Labor, Hourly, Field Engineer	Per Hour	\$ 96.23	5.00%	\$ 91.42	Service Categories 1 & 2

HQE-SE	Labor, Hourly, Software Engineer	Per Hour	\$ 100.07	5.00%	\$ 95.06	Service Categories 1 & 2
HQE-ET-III	Labor, Hourly, Electronics Technician III	Per Hour	\$ 70.03	5.00%	\$ 66.53	Service Categories 1 & 2
HQE-ET-II	Labor, Hourly, Electronics Technician II	Per Hour	\$ 64.04	5.00%	\$ 60.84	Service Categories 1 & 2
HQE-ET-I	Labor, Hourly, Electronics Technician I	Per Hour	\$ 60.04	5.00%	\$ 57.03	Service Categories 1 & 2
HQE-IT	Labor, Hourly, Installation Technician	Per Hour	\$ 34.18	5.00%	\$ 32.47	Service Categories 1 & 2
HQE-WS	Labor, Hourly, Warehouse Specialist	Per Hour	\$ 36.83	5.00%	\$ 34.99	Service Categories 1 & 2
HQE-ADMN	Labor, Hourly, Technical Writer/Administrator	Per Hour	\$ 28.98	5.00%	\$ 27.53	Service Categories 1 & 2
HQE-CAD	Labor, Hourly, Autocad/Drafter	Per Hour	\$ 74.04	5.00%	\$ 70.34	Service Categories 1 & 2
HQE-FE-HZ	Labor, Hourly, Field Engineer, Hazardous Areas	Per Hour	\$ 144.34	5.00%	\$ 137.12	Service Categories 1 & 2
HQE-ET-III-HZ	Labor, Hourly, Electronics Technician III, Hazardous Areas	Per Hour	\$ 105.05	5.00%	\$ 99.80	Service Categories 1 & 2
HQE-ET-II-HZ	Labor, Hourly, Electronics Technician II, Hazardous Areas	Per Hour	\$ 96.07	5.00%	\$ 91.26	Service Categories 1 & 2
HQE-ET-I-HZ	Labor, Hourly, Electronics Technician I, Hazardous Areas	Per Hour	\$ 90.05	5.00%	\$ 85.55	Service Categories 1 & 2
HQE-IT-HZ	Labor, Hourly, Installation Technician, Hazardous Areas	Per Hour	\$ 51.26	5.00%	\$ 48.70	Service Categories 1 & 2

F.2 SiRcom Catlog 2024

Part Number	Description	Unit	List Price	Discount Off of List Price	Price	Service Category
Implementation Rates						
HQE-PRGM-M NGR	Labor, Hourly, Program Management	Per Hour	\$ 147.00	5.00%	\$ 139.65	Service Categories 1 & 2
HQE-PROJ-MN GR	Labor, Hourly, Project Management	Per Hour	\$ 96.30	5.00%	\$ 91.49	Service Categories 1 & 2
HQE-FE	Labor, Hourly, Field Engineer	Per Hour	\$ 96.23	5.00%	\$ 91.42	Service Categories 1 & 2
HQE-SE	Labor, Hourly, Software Engineer	Per Hour	\$ 100.07	5.00%	\$ 95.06	Service Categories 1 & 2
HQE-ET-III	Labor, Hourly, Electronics Technician III	Per Hour	\$ 70.03	5.00%	\$ 66.53	Service Categories 1 & 2
HQE-ET-II	Labor, Hourly, Electronics Technician II	Per Hour	\$ 64.04	5.00%	\$ 60.84	Service Categories 1 & 2
HQE-ET-I	Labor, Hourly, Electronics Technician I	Per Hour	\$ 60.04	5.00%	\$ 57.03	Service Categories 1 & 2
HQE-IT	Labor, Hourly, Installation Technician	Per Hour	\$ 34.18	5.00%	\$ 32.47	Service Categories 1 & 2
HQE-WS	Labor, Hourly, Warehouse Specialist	Per Hour	\$ 36.83	5.00%	\$ 34.99	Service Categories 1 & 2
HQE-ADMN	Labor, Hourly, Technical Writer/Administrator	Per Hour	\$ 28.98	5.00%	\$ 27.53	Service Categories 1 & 2
HQE-CAD	Labor, Hourly, Autocad/Drafter	Per Hour	\$ 74.04	5.00%	\$ 70.34	Service Categories 1 & 2
HQE-FE-HZ	Labor, Hourly, Field Engineer, Hazardous Areas	Per Hour	\$ 144.34	5.00%	\$ 137.12	Service Categories 1 & 2
HQE-ET-III-HZ	Labor, Hourly, Electronics Technician III, Hazardous Areas	Per Hour	\$ 105.05	5.00%	\$ 99.80	Service Categories 1 & 2
HQE-ET-II-HZ	Labor, Hourly, Electronics Technician II, Hazardous Areas	Per Hour	\$ 96.07	5.00%	\$ 91.26	Service Categories 1 & 2

HQE-ET-I-HZ	Labor, Hourly, Electronics Technician I, Hazardous Areas	Per Hour	\$ 90.05	5.00%	\$ 85.55	Service Categories 1 & 2
HQE-IT-HZ	Labor, Hourly, Installation Technician, Hazardous Areas	Per Hour	\$ 51.26	5.00%	\$ 48.70	Service Categories 1 & 2
HQE-CERT-OP	Training, Per Student, Sircom Smart Alert Operator	Per Hour	\$ 1,097.60	5.00%	\$ 1,042.72	Service Categories 1 & 2
HQE-CERT-AD MIN	Training, Per Student, Sircom Smart Alert Administrator, Includes Operator Training	Per Hour	\$ 1,577.25	5.00%	\$ 1,498.39	Service Categories 1 & 2
HQE-CERT-IBP	Training, Per Student, Sircom Best Practices & Sustainment Training	Per Hour	\$ 1,577.25	5.00%	\$ 1,498.39	Service Categories 1 & 2
HQE-CERT-CIT	Training, Per Student, Sircom Certified Installation Technician	Per Hour	\$ 1,577.25	5.00%	\$ 1,498.39	Service Categories 1 & 2
HQE-CERT-SM E	Training, Per Student, Sircom Certified Subject Matter Expert, Includes All Courses	Per Hour	\$ 4,321.25	5.00%	\$ 4,105.19	Service Categories 1 & 2
Central Control Station						
CS-1001	CS, Intel Core i5+ Computer with RS232, LPT, and USB support for Legacy Devices.	EA	\$ 4,333.87	5.00%	\$ 4,117.18	Service Categories 1 & 2
CS-121-M	CS, Mobile, Ruggedized Notebook PC with Win 10, SiSA 3.0+, Integrated RTU/Encoder	EA	\$ 5,231.48	5.00%	\$ 4,969.91	Service Categories 1 & 2
CS-121-BB	CS, Intel Core i5+ computer. Barebones, no microphone, no hard drive, no software.	EA	\$ 2,304.96	5.00%	\$ 2,189.71	Service Categories 1 & 2

CS-121-T14W	CS, ALL-IN-ONE Touch Screen, Desk or Wall Mount, 14", White	EA	\$ 3,522.20	5.00%	\$ 3,346.09	Service Categories 1 & 2
CS-121-T14B	CS, ALL-IN-ONE Touch Screen, Desk or Wall Mount, 14", Black	EA	\$ 3,522.20	5.00%	\$ 3,346.09	Service Categories 1 & 2
CS-HD-500	CS, Hard Drive, Hot-Swap, 500GB SSD, Pre-installed with Windows 10 with CD	EA	\$ 426.97	5.00%	\$ 405.62	Service Categories 1 & 2
CS-121-KIT-HW	CS, Hardwire/Ethernet Comm Server, wall-mountable enclosure	EA	\$ 2,559.60	5.00%	\$ 2,431.62	Service Categories 1 & 2
CS-121-KIT-IP	CS, IP Radio (2.4/5 Ghz), Comm Server, wall-mountable enclosure	EA	\$ 2,559.60	5.00%	\$ 2,431.62	Service Categories 1 & 2
CS-121-KIT-RF	CS, UHF/VHF Radio, Comm Server, wall-mountable enclosure, Remote Terminal Unit	EA	\$ 2,559.60	5.00%	\$ 2,431.62	Service Categories 1 & 2
CS-SISA	CS, Software SiRcom SMART Alert (SiSA) CD with license (2 YEAR), with updates	EA	\$ 4,939.20	5.00%	\$ 4,692.24	Service Categories 1 & 2
CS-SISA-NAB	CS, NAB, Software SiRcom SMART Alert (SiSA) CD with license (2 YEAR), with updates	EA	\$ 3,292.80	5.00%	\$ 3,128.16	Service Categories 1 & 2
CS-RM-KIT	CS, Hardware to Rack Mount Computer/Server Chassis	EA	\$ 421.46	5.00%	\$ 400.39	Service Categories 1 & 2
CS-MIC-600-KIT	CS, Microphone with All-Call Switch (Line Replacement) with cable.	EA	\$ 511.92	5.00%	\$ 486.32	Service Categories 1 & 2

KEY-MS-001	CS, Keyboard/Mouse Combo, Ergonomic, Wired, USB	EA	\$ 127.98	5.00%	\$ 121.58	Service Categories 1 & 2
MON-27-001	27" LED backlit Monitor with DVI/HDMI Ports	EA	\$ 493.30	5.00%	\$ 468.64	Service Categories 1 & 2
MON-27-002	27" LED backlit Monitor with DVI/HDMI Ports, Touchscreen	EA	\$ 958.69	5.00%	\$ 910.76	Service Categories 1 & 2
MON-40-001	40" LCD Monitor with AV Digital Tuner.	EA	\$ 1,977.36	5.00%	\$ 1,878.49	Service Categories 1 & 2
Desktop & PA Integrations Console						
CS-14-TW	CS, Touch Screen (SiTouch) Controller, Desk or Wall Mount, 14", White	EA	\$ 1,889.50	5.00%	\$ 1,795.03	Service Categories 1 & 2
CS-14-TB	CS, Touch Screen (SiTouch) Controller, Desk or Wall Mount, 14", Black	EA	\$ 1,889.50	5.00%	\$ 1,795.03	Service Categories 1 & 2
PA-001-WM	Public Address Integration Module (PA-IM), Wall Mounted with Keypad and LED Screen	EA	\$ 3,083.16	5.00%	\$ 2,929.00	Service Categories 1 & 2
PA-001-DM	Public Address Integration Module (PA-IM), Desk Mounted with Keypad and LED Screen	EA	\$ 3,112.24	5.00%	\$ 2,956.63	Service Categories 1 & 2
SICAS-LTE	CloudConnect, 4G-LTE Integration Module. Ethernet, RS232, RS485	EA	\$ 766.07	5.00%	\$ 727.77	Service Categories 1 & 2
SICAS-IIM	Integration module to allow for seamless interoperability with 3rd Party Central Control Units.	EA	\$ 1,671.89	5.00%	\$ 1,588.30	Service Categories 1 & 2
Outdoor Warning Siren (Digital)						

SPT-102-D	SPT, Digital, 2 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 13,345.72	5.00%	\$ 12,678.43	Service Categories 1 & 2
SPT-104-D	SPT, Digital, 4 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 16,896.45	5.00%	\$ 16,051.63	Service Categories 1 & 2
SPT-106-D	SPT, Digital, 6 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 19,658.02	5.00%	\$ 18,675.12	Service Categories 1 & 2
SPT-108-D	SPT, Digital, 8 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 20,742.44	5.00%	\$ 19,705.32	Service Categories 1 & 2
SPT-110-D	SPT, Digital, 10 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 25,139.43	5.00%	\$ 23,882.46	Service Categories 1 & 2
SPT-112-D	SPT, Digital, 12 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 26,846.20	5.00%	\$ 25,503.89	Service Categories 1 & 2
SPT-116-D	SPT, Digital, 16 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 31,731.62	5.00%	\$ 30,145.04	Service Categories 1 & 2
SPT-118-D	SPT, Digital, 18 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 33,980.60	5.00%	\$ 32,281.57	Service Categories 1 & 2
SPT-124-D	SPT, Digital, 24 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 38,700.28	5.00%	\$ 36,765.27	Service Categories 1 & 2
SPT-130-D	SPT, Digital, 30 Horn/Driver	EA	\$ 44,024.74	5.00%	\$ 41,823.50	Service Categories 1 & 2

	Configuration, 12V, Complete Set					
SPT-136-D	SPT, Digital, 36 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 49,664.20	5.00%	\$ 47,180.99	Service Categories 1 & 2
Digital Line Arrays						
SLA-4-030	SLA, Digital, 4 LAS-30 Line Arrays, PA-11D, Complete Set	EA	\$ 25,139.43	5.00%	\$ 23,882.46	Service Categories 1 & 2
SLA-4-060	SLA, Digital, 4 LAS-60 Line Arrays, PA-11D, Complete Set	EA	\$ 26,846.20	5.00%	\$ 25,503.89	Service Categories 1 & 2
SLA-4-120	SLA, Digital, 4 LAS-120 Line Arrays, PA-11D, Complete Set	EA	\$ 31,731.62	5.00%	\$ 30,145.04	Service Categories 1 & 2
Complete Equipment Cabinet						
SPT-EC-102-D	SPT, Digital, Equipment Cabinet Only, 2 Horn/Driver Configuration, 12V	EA	\$ 7,195.87	5.00%	\$ 6,836.08	Service Categories 1 & 2
SPT-EC-104-D	SPT, Digital, Equipment Cabinet Only, 4 Horn/Driver Configuration, 12V	EA	\$ 8,271.51	5.00%	\$ 7,857.93	Service Categories 1 & 2
SPT-EC-106-D	SPT, Digital, Equipment Cabinet Only, 6 Horn/Driver Configuration, 12V	EA	\$ 9,718.15	5.00%	\$ 9,232.24	Service Categories 1 & 2
SPT-EC-108-D	SPT, Digital, Equipment Cabinet Only, 8 Horn/Driver Configuration, 12V	EA	\$ 10,968.32	5.00%	\$ 10,419.90	Service Categories 1 & 2
Backplates W/ Electronics						
BPKIT-108-D	BPKit, Digital, Equipment Cabinet Only, 8 Horn/Driver Configuration, 12V	EA	\$ 9,100.20	5.00%	\$ 8,645.19	Service Categories 1 & 2

Mobile Speaker Tower						
MST-102	MST, Digital, 2 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 37,769.51	5.00%	\$ 35,881.03	Service Categories 1 & 2
MST-104	MST, Digital, 4 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 40,548.64	5.00%	\$ 38,521.21	Service Categories 1 & 2
MST-106	MST, Digital, 6 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 43,863.39	5.00%	\$ 41,670.22	Service Categories 1 & 2
MST-108	MST, Digital, 8 Horn/Driver Configuration, 12V, Complete Set	EA	\$ 48,238.42	5.00%	\$ 45,826.50	Service Categories 1 & 2
Siren Line Items / Spare Parts						
SSH-2	KIT, HORN REPLACEMENT, 1 PAIR WITH COVER, SCREWS	EA	\$ 1,037.23	5.00%	\$ 985.37	Service Categories 1 & 2
SSD-125	KIT, DRIVER REPLACEMENT, 1 DRIVER, 125 WATTS	EA	\$ 411.60	5.00%	\$ 391.02	Service Categories 1 & 2
LAS-30	KIT, LINE ARRAY SPEAKER, 30 WATT, 70V, 100V, 10-20-30 WATT TAPS	EA	\$ 1,317.12	5.00%	\$ 1,251.26	Service Categories 1 & 2
LAS-60	KIT, LINE ARRAY SPEAKER, 30 WATT, 70V, 100V, 20-40-60 WATT TAPS	EA	\$ 1,975.68	5.00%	\$ 1,876.90	Service Categories 1 & 2
LAS-120	KIT, LINE ARRAY SPEAKER, 30 WATT, 70V, 100V, 40-60-120 WATT TAPS	EA	\$ 2,634.24	5.00%	\$ 2,502.53	Service Categories 1 & 2

SPT-CABLE-KIT-14	KIT, CABLE, MARINE AUDIO, 2-CONDUCTOR, 14 AWG, 100'	EA	\$ 241.47	5.00%	\$ 229.40	Service Categories 1 & 2
SPT-CABLE-KIT-16	KIT, CABLE, MARINE AUDIO, 2-CONDUCTOR, 16 AWG, 100'	EA	\$ 203.06	5.00%	\$ 192.91	Service Categories 1 & 2
PISO-RS232	SPT, SIREN RS232 INTERCONNECTION MODULE	EA	\$ 1,521.80	5.00%	\$ 1,445.71	Service Categories 1 & 2
PISO-RS232-PA	SPT, SIREN RS232 INTERCONNECTION MODULE, WAVES COMPATIBILITY	EA	\$ 1,656.76	5.00%	\$ 1,573.92	Service Categories 1 & 2
PISO-SPT-SOL	SPT, SOLAR CHARGER, 12-48V	EA	\$ 335.07	5.00%	\$ 318.32	Service Categories 1 & 2
SYCON-S	SPT, DIGITAL SIREN CONTROLLER WITH TOUCH SCREEN INTERFACE	EA	\$ 4,570.05	5.00%	\$ 4,341.55	Service Categories 1 & 2
ECO-450	SPT, AUDIO AMPLIFIER, 450 WATT, CLASS D, DIGITAL	EA	\$ 2,192.64	5.00%	\$ 2,083.01	Service Categories 1 & 2
ECO-500	SPT, AUDIO AMPLIFIER, 500 WATT, CLASS D, DIGITAL	EA	\$ 2,192.64	5.00%	\$ 2,083.01	Service Categories 1 & 2
PA-11-D	SPT, AUDIO AMPLIFIER, 450 WATT, DIGITAL, INTEGRATED CONTROLLER	EA	\$ 3,882.21	5.00%	\$ 3,688.10	Service Categories 1 & 2
PA-12	SPT, AUDIO AMPLIFIER, 500 WATT, DIGITAL, INTEGRATED CONTROLLER, SOLAR, MAINS	EA	\$ 5,436.41	5.00%	\$ 5,164.59	Service Categories 1 & 2
PSU-1200-D	SPT, AC/MAINS POWER SUPPLY, 1200 WATT	EA	\$ 1,580.69	5.00%	\$ 1,501.66	Service Categories 1 & 2
PISO-BLE	SPT, BLUETOOTH LOW ENERGY DIAGNOSTICS	EA	\$ 668.99	5.00%	\$ 635.54	Service Categories 1 & 2

	AND ACTIVATION MODULE					
PISO-SPT-055	SPT, PEDESTAL/STAND, FLOOR MOUNT KIT	EA	\$ 916.50	5.00%	\$ 870.68	Service Categories 1 & 2
PISO-SPT-154	SPT, MOUNT, POLE CAP, WELDMENT	EA	\$ 762.83	5.00%	\$ 724.69	Service Categories 1 & 2
PISO-SPT-155	SPT, MOUNT, HORN MAST, WELDMENT, 8' MAST	EA	\$ 1,592.11	5.00%	\$ 1,512.50	Service Categories 1 & 2
PISO-SPT-156	SPT, MOUNT, HORN MAST, WELDMENT, 15' MAST	EA	\$ 1,950.00	5.00%	\$ 1,852.50	Service Categories 1 & 2
PSIO-SPT-50ST	SPT, STEEL POLE, 45-55', SURFACE MOUNT OR DIRECT BURY, CUSTOM MOUNTING	EA	\$ 7,417.00	5.00%	\$ 7,046.15	Service Categories 1 & 2
PISO-SPT-157	SPT, MOUNT, SIDE OF WOODEN POLE/COMM TOWER	EA	\$ 2,665.22	5.00%	\$ 2,531.96	Service Categories 1 & 2
PISO-SPKR-KIT	KIT, BULK, MARINE AUDIO CABLE, 2 CONDUCTOR, 14 AWG, 400'	EA	\$ 894.54	5.00%	\$ 849.81	Service Categories 1 & 2
Indoor Mass Notification System and Public Address						
ISU-010	ISU, INTEGRATED SPEAKER UNIT, 450 WATTS, 70/100V, INTEGRATED BATTERY, IP FIRMWARE	EA	\$ 4,373.94	5.00%	\$ 4,155.24	Service Categories 1 & 2
ISU-010-VHF	ISU, INTEGRATED SPEAKER UNIT, 450 WATTS, 70/100V, INTEGRATED BATTERY, VHF FIRMWARE WITH HARNESS	EA	\$ 4,510.04	5.00%	\$ 4,284.54	Service Categories 1 & 2
BEA-007	DISPLAY, 7", ALERT RECEIVER OR	EA	\$ 1,140.19	5.00%	\$ 1,083.18	Service Categories 1 & 2

	TRANSMITTER, WALL MOUNTABLE WITH HARDWARE					
BEA-010	DISPLAY, 10", ALERT RECEIVER OR TRANSMITTER, WALL MOUNTABLE WITH HARDWARE	EA	\$ 1,524.13	5.00%	\$ 1,447.92	Service Categories 1 & 2
BEA-023-BA	DISPLAY, 23", BANNER, DIGITAL CLOCK OR EMERGENCY ALERT, WALL MOUNTABLE WITH HARDWARE	EA	\$ 2,507.03	5.00%	\$ 2,381.68	Service Categories 1 & 2
SPK-CEIL	SPEAKER, INDOOR, 2-6 WATT USER CONFIGURABLE, CEILING MOUNTED	EA	\$ 107.04	5.00%	\$ 101.69	Service Categories 1 & 2
SPK-WALL	SPEAKER, INDOOR, 3-15 WATT USER CONFIGURABLE, WALL MOUNTED	EA	\$ 132.63	5.00%	\$ 126.00	Service Categories 1 & 2
SPK-HORN	SPEAKER, HORN, INDOOR/OUTDOOR, 10-30 WATT USER CONFIGURABLE, WALL MOUNTED	EA	\$ 182.66	5.00%	\$ 173.53	Service Categories 1 & 2
SPK-HORN-60	SPEAKER, HORN, INDOOR/OUTDOOR, 30-60 WATT USER CONFIGURABLE, WALL MOUNTED	EA	\$ 435.75	5.00%	\$ 413.96	Service Categories 1 & 2
SPK-CEIL-IP	IP SPEAKER, INDOOR, 2-6 WATT USER CONFIGURABLE, CEILING MOUNTED, POE, INTEGRATED AMPLIFIER	EA	\$ 107.04	5.00%	\$ 101.69	Service Categories 1 & 2
SPK-WALL-IP	IP SPEAKER, INDOOR, 3-15 WATT USER	EA	\$ 132.63	5.00%	\$ 126.00	Service Categories 1 & 2

	CONFIGURABLE, WALL MOUNTED, POE, INTEGRATED AMPLIFIER					
SPK-HORN-IP	IP SPEAKER, HORN, INDOOR/OUTDOOR, 10-30 WATT USER CONFIGURABLE, WALL MOUNTED, POE, INTEGRATED AMPLIFIER	EA	\$ 182.66	5.00%	\$ 173.53	Service Categories 1 & 2
SPK-HORN-60-IP	IP SPEAKER, HORN, INDOOR/OUTDOOR, 30-60 WATT USER CONFIGURABLE, WALL MOUNTED, POE, INTEGRATED AMPLIFIER	EA	\$ 435.75	5.00%	\$ 413.96	Service Categories 1 & 2
STRB-001	STROBE, INDOOR/OUTDOOR, AMBER/RED/BLUE/CLEAR	EA	\$ 104.71	5.00%	\$ 99.47	Service Categories 1 & 2
SPT-STRB-A	SPEAKER, INDOOR, 3-15 WATT USER CONFIGURABLE, WITH STROBE, AMBER LENS, 70V OR 100V	EA	\$ 184.98	5.00%	\$ 175.73	Service Categories 1 & 2
SPT-STRB-R	SPEAKER, INDOOR, 3-15 WATT USER CONFIGURABLE, WITH STROBE, RED LENS, 70V OR 100V	EA	\$ 184.98	5.00%	\$ 175.73	Service Categories 1 & 2
SPT-STRB-B	SPEAKER, INDOOR, 3-15 WATT USER CONFIGURABLE, WITH STROBE, BLUE LENS, 70V OR 100V	EA	\$ 184.98	5.00%	\$ 175.73	Service Categories 1 & 2
SPT-STRB-C	SPEAKER, INDOOR, 3-15 WATT USER CONFIGURABLE, WITH STROBE, CLEAR LENS, 70V OR 100V	EA	\$ 184.98	5.00%	\$ 175.73	Service Categories 1 & 2

ISU-010-LI	BATTERY PACK REPLACEMENT FOR ISU-010	EA	\$ 714.54	5.00%	\$ 678.81	Service Categories 1 & 2
Accessories						
SOL-120	ACCESSORY, SOLAR PANEL, 120 WATTS w/MOUNTING KIT	EA	\$ 651.97	5.00%	\$ 619.37	Service Categories 1 & 2
SOL-240	ACCESSORY, SOLAR PANEL, 240 WATTS w/MOUNTING KIT	EA	\$ 756.25	5.00%	\$ 718.44	Service Categories 1 & 2
TAB-2017	ACCESSORY, TOUCH SCREEN, PRE-LOADED WITH SITOUCH SOFTWARE FOR LOCAL ACTIVATION ONLY	EA	\$ 581.73	5.00%	\$ 552.64	Service Categories 1 & 2
BAT-100A	ACCESSORY, BATTERY, 12V, 100-AMP-HOUR, AGM	EA	\$ 407.21	5.00%	\$ 386.85	Service Categories 1 & 2
BAT-100A-LI	ACCESSORY, BATTERY, 12V, 100-AMP-HOUR, LITHIUM	EA	\$ 1,504.81	5.00%	\$ 1,429.57	Service Categories 1 & 2
MST-TRLR	ACCESSORY, TRAILER, 7' x 12' TOWABLE	EA	\$ 21,634.56	5.00%	\$ 20,552.83	Service Categories 1 & 2
MST-GEN	ACCESSORY, GENERATOR, 4000 WATT, AUTO-SENSING	EA	\$ 2,326.91	5.00%	\$ 2,210.56	Service Categories 1 & 2
MST-MC	ACCESSORY, MOTORIZED CRANK UPGRADE FOR MST	EA	\$ 957.53	5.00%	\$ 909.65	Service Categories 1 & 2
OL-FAA	ACCESSORY, OBSTRUCTION LIGHTING, CHOICE OF RED, BLUE, YELLOW, GREEN	EA	\$ 487.49	5.00%	\$ 463.12	Service Categories 1 & 2
GDD-PSIO-070 A	ACCESSORY, SENSOR, INDOOR GUNSHOT DETECTION DEVICE	EA	\$ 3,606.71	5.00%	\$ 3,426.37	Service Categories 1 & 2

SPL-PSIO-080A	ACCESSORY, AUDIO SOUND PRESSURE LEVEL (SPL) MEASUREMENT	EA	\$ 1,279.80	5.00%	\$ 1,215.81	Service Categories 1 & 2
SPT-DMS-100-4-TTS	ADDITIONAL MESSAGES, 10 CUSTOM MESSAGES, TTS	EA	\$ 205.25	5.00%	\$ 194.99	Service Categories 1 & 2
SPT-DMS-100-4	ADDITIONAL MESSAGES, 20 CUSTOM MESSAGES, STUDIO RECORDED	EA	\$ 534.53	5.00%	\$ 507.80	Service Categories 1 & 2
Radio/Telecommunication						
RAD-VHF	RADIO, VHF, WITH WIRING KIT, 13.8V	EA	\$ 1,080.04	5.00%	\$ 1,026.04	Service Categories 1 & 2
RAD-UHF	RADIO, UHF, WITH WIRING KIT, 13.8V	EA	\$ 1,080.04	5.00%	\$ 1,026.04	Service Categories 1 & 2
RAD-IP	RADIO, IP (2.4/5 GHZ) UNLICENSED, 12V	EA	\$ 2,559.60	5.00%	\$ 2,431.62	Service Categories 1 & 2
ANT-UHF-DIR	ANTENNA, UHF, DIRECTIONAL, HIGH-GAIN, LONG-HAUL	EA	\$ 1,262.24	5.00%	\$ 1,199.13	Service Categories 1 & 2
ANT-UHF-OMN I	ANTENNA, UHF, OMNI-DIRECTIONAL, HIGH-GAIN, LONG-HAUL	EA	\$ 766.12	5.00%	\$ 727.81	Service Categories 1 & 2
ANT-VHF-DIR	ANTENNA, VHF, DIRECTIONAL, HIGH-GAIN, LONG-HAUL	EA	\$ 1,262.24	5.00%	\$ 1,199.13	Service Categories 1 & 2
ANT-VHF-OMN I	ANTENNA, VHF, OMNI-DIRECTIONAL, HIGH-GAIN, LONG-HAUL	EA	\$ 766.12	5.00%	\$ 727.81	Service Categories 1 & 2
ANT-IP-DIR	ANTENNA, 2.4/5 GHZ, DIRECTIONAL	EA	\$ 248.98	5.00%	\$ 236.53	Service Categories 1 & 2
ANT-IP-OMNI	ANTENNA, 2.4/5 GHZ, OMNI-DIRECTIONAL	EA	\$ 259.46	5.00%	\$ 246.49	Service Categories 1 & 2

ANT-CABLE-KIT -400	ANTENNA, CABLE, LMR-400, 100' WITH N-TYPE CONNECTORS	EA	\$ 197.57	5.00%	\$ 187.69	Service Categories 1 & 2
ANT-CABLE-KIT -600	ANTENNA, CABLE, LMR-600, 100' WITH N-TYPE CONNECTORS	EA	\$ 252.45	5.00%	\$ 239.83	Service Categories 1 & 2

TAB G: Required Attachments

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ATTACHMENT I: INSTRUCTIONS FOR PROPOSALS COMPLIANCE AND SUBMITTAL

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in Section 2.2 - General Terms and Conditions.

HQE Systems, Inc.

Vendor Name



Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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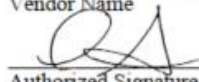
ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, Qais Alkurdi (typed or printed name) certify that I am the CEO (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

HQE Systems, Inc.

Vendor Name



Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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**ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS**

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

HQE Systems, Inc.

Vendor Name



Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding \$100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of \$100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding \$100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

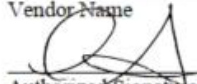
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**LOBBYING CERTIFICATION
FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS**

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative contract; and
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with the instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

HQE Systems, Inc.Vendor NameAuthorized SignatureQais AlkurdiTyped NameOctober 21, 2024Date

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The HQE Systems, Inc. (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the HQE Systems, Inc. (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statute in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statute or requires such employee to participate in a drug abuse assistance or rehabilitation program.

HQE Systems, Inc.

Vendor Name



Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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**ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST**

The undersigned certifies that, to the best of his or her knowledge or belief, that:

"No employee of the contractor, no member of the contractor's governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents".

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

HQE Systems, Inc.

Vendor Name

Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

HQE Systems, Inc.

Vendor Name

Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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**ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING
TEXAS CORPORATE FRANCHISE TAX CERTIFICATION**

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

☒ X

The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

☐

The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation):

- ☐ Sole Proprietor
☐ Partnership
☐ Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

HQE Systems, Inc.

Vendor Name

Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

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**ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES,
MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES**

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors must submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

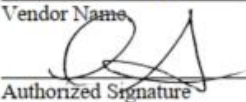
State of Texas HUB Program
Texas Comptroller of Public Accounts
Lyndon B. Johnson State Office Building
111 East 17th Street
Austin, Texas 78774
(512) 463-6958
<http://www.window.state.tx.us/procurement/prog/hub/>

North Central Texas Regional Certification Agency
624 Six Flags Drive, Suite 100
Arlington, TX 76011
(817) 640-0606
<http://www.nctrca.org/certification.html>

Texas United Certification Program
USDOT website at
<https://www.transportation.gov/DBE>

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification:

HQE Systems, Inc.
Vendor Name

Authorized Signature

Qais Alkurdi
Typed Name
October 21, 2024
Date

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**ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS
REQUIRED PROCUREMENT PROVISIONS**

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.


**PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
CERTIFICATION**

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment.

Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

☒ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

HQE Systems, Inc.
Vendor Name

Authorized Signature

Qais Alkurdi
Typed Name
October 21, 2024
Date

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

Vendor Name

Authorized Signature

Typed Name

Date

(Continued on next page)

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DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that "discrimination against a firearm entity or firearm trade association" includes the following:

- A) means, with respect to the entity or association, to:
- I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
 - II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
 - III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.
- B) An exception to this provision excludes the following:
- I. contracts with a sole-source provider; or
 - II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

☒ **The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

HQE Systems, Inc.

Vendor Name

Authorized Signature

Qais Alkurdi

Typed Name

October 21, 2024

Date

-OR-

☐ **The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

Vendor Name

Authorized Signature

Typed Name

Date

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BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that "boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- I. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and
- II. does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

☒ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

HQE Systems, Inc. _____

Vendor Name

Authorized Signature

Qais Alkurdi _____

Typed Name

October 21, 2024 _____

Date


-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

Vendor Name_____
Authorized Signature_____
Typed Name_____
Date

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ATTACHMENT XI:

CONFLICT OF INTEREST QUESTIONNAIRE For vendor doing business with local governmental entity		FORM CIQ
<p>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</p> <p>This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).</p> <p>By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.</p> <p>A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.</p>	<div style="border: 1px solid black; padding: 2px; text-align: center; font-weight: bold;">OFFICE USE ONLY</div> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>	
<p>1 Name of vendor who has a business relationship with local governmental entity.</p> <p style="text-align: center;">HQE Systems, Inc.</p>		
<p>2 <input type="checkbox"/> Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)</p>		
<p>3 Name of local government officer about whom the information is being disclosed.</p> <p style="text-align: center;">N/A</p> <p style="text-align: center; font-size: small;">Name of Officer</p>		
<p>4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.</p> <div style="margin-top: 20px;"> <p>A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </p> <p>B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </p> </div>		
<p>5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.</p> <p style="text-align: center; margin-top: 20px;">N/A</p>		
<p>6 <input type="checkbox"/> Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).</p>		
<p>7</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  Signature of vendor doing business with the governmental entity </div> <div style="text-align: right;"> October 21, 2024 <small>Date</small> </div> </div>		

Form provided by Texas Ethics Commission

www.ethics.state.tx.us

Revised 1/1/2021

**EXHIBIT 3
SERVICE DESIGNATION AREAS**

Texas Service Area Designation or Identification			
Proposing Firm Name:	HQE Systems, Inc.		
Notes:	Indicate in the appropriate box whether you are proposing to service the entire state of Texas		
	Will service the entire state of Texas	Will not service the entire state of Texas	
	Yes		
	If you are not proposing to service the entire state of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	Region	Metropolitan Statistical Areas	Designated Service Area
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

Nationwide Service Area Designation or Identification Form							
Proposing Firm Name:	HQE Systems, Inc.						
Notes:	<p>Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.</p> <table border="1"> <tr> <td>Will service all fifty (50) states</td> <td>Will not service fifty (50) states</td> </tr> <tr> <td>Yes</td> <td></td> </tr> </table> <p>If you are not proposing to service to all fifty (50) states, then designate on the form below the states that you will provide service to. By designating a state or states, you are certifying that you are willing and able to provide the proposed goods and services in those states.</p> <p>If you are only proposing to service a specific region, metropolitan statistical area (MSA), or City in a State, then indicate as such in the appropriate column box.</p>			Will service all fifty (50) states	Will not service fifty (50) states	Yes	
Will service all fifty (50) states	Will not service fifty (50) states						
Yes							
Item	State	Region/MSA/City (write "ALL" if proposing to service entire state)	Designated as a Service Area				
1.	Alabama						
2.	Alaska						
3.	Arizona						
4.	Arkansas						
5.	California						
6.	Colorado						
7.	Connecticut						
8.	Delaware						
9.	Florida						
10.	Georgia						
11.	Hawaii						
12.	Idaho						
13.	Illinois						
14.	Indiana						
15.	Iowa						
16.	Kansas						
17.	Kentucky						
18.	Louisiana						
19.	Maine						
20.	Maryland						

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21.	Massachusetts		
22.	Michigan		
23.	Minnesota		
24.	Mississippi		
25.	Missouri		
26.	Montana		
27.	Nebraska		
28.	Nevada		
29.	New Hampshire		
30.	New Jersey		
31.	New Mexico		
32.	New York		
33.	North Carolina		
34.	North Dakota		
35.	Ohio		
36.	Oregon		
37.	Oklahoma		
38.	Pennsylvania		
39.	Rhode Island		
40.	South Carolina		
41.	South Dakota		
42.	Tennessee		
43.	Texas		
44.	Utah		
45.	Vermont		
46.	Virginia		
47.	Washington		
48.	West Virginia		
49.	Wisconsin		
50.	Wyoming		

EXHIBIT 4 QUESTIONNAIRE

Please answer the following questions using this questionnaire. You may add pages or attachments where necessary but please number them to correspond with the question you are answering.

5.1 Technical Specifications

- 5.1.1 Describe the proposed technology and how it works (including hardware and software).

Please refer to TAB E: Technical Proposal for a detailed description of HQE's
proposed technology.

- 5.1.2 What kind of weapons can be detected (knives, guns, IED, etc.)?

The EAGL Emergency Automation Platform has an assorted array of triggers and inputs that can be used for
custom activation that can cover both mundane and emergency responses. The System can use our patented
indoor/outdoor/body-worn/vehicle-based Gunshot detection sensors for the detection of any firearm discharge
with an accompanying ID (Rifle, Handgun, Shotgun) and it can use camera based AI, using direct integration,
that can detect brandished weapons such as a gun or rifle, and knives, as well as fights, slip and fall, intrusion,
smoke, fire, and even both license plate and facial recognition.

In addition to all of those activation capabilities, the EAGL solution also offers wireless panic buttons, wireless
emergency pull stations, Smart Phone Apps, and even Vape sensors are among the systems offering which
allow the solution to be leveraged for multiple uses.

- 5.1.3 What kind of sounds can be detected?

The EAGL System does not use sound as a detection source. Our patented
gunshot detection technology uses the energy and accompanying digital
waveform only to determine a gunshot. There is no audio path through the system
that can listen, record, or playback maintaining complete privacy at all times.

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5.1.4 Explain the operating staff requirements.

The EAGL system is designed to operate with minimal staff intervention. Once installed, the system runs autonomously, sending real-time alerts directly to security personnel and law enforcement as needed. A designated system administrator is recommended to oversee system maintenance, manage user access, and ensure that software updates are applied when necessary. HQE also provides 24/7 technical support for any operational issues that arise, ensuring smooth system operation. For larger installations, an additional security team member may be assigned to monitor the EAGL dashboard for live incidents.

5.1.5 Provide an example work schedule overview for implementation.

The implementation of the EAGL system and the SiSA software solution will follow a structured schedule:

Planning Phase (1-2 weeks): On-site evaluation of the facility to determine sensor placement and coverage requirements.

Design Phase (2-4 weeks): Development of a custom system design and integration plan.

Installation Phase (4-8 weeks): Installation of sensors and hardware, software setup, and configuration.

Testing and training phase (1-2 weeks): Testing the system to ensure proper functioning and fine-tuning sensor sensitivity. Training for security personnel and administrators.

Customer Support Phase (1 week): Specified technical and warranty services.

Go-Live (1 week): Final system activation and handover to the client.

Please refer to section E.3 for a detailed breakdown of HQE's work schedule overview for implementation.

5.1.6 Explain how you will supervise the implementation.

The implementation process will be supervised by an HQE Project Manager (PM) with extensive experience in deploying gunshot detection systems. The PM will coordinate

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all phases of the project, ensuring that both the SiSA and EAGL system components are installed and calibrated correctly. Regular updates will be provided to the Customer's project management team, with milestone reviews at each stage of installation. HQE's quality assurance team will also conduct periodic audits during the implementation phase to ensure that all components meet operational standards. Post-implementation, HQE offers monitoring services to ensure system efficiency and effectiveness.

5.1.7 Any parts & equipment customer is expected to provide?

HQE provides all necessary equipment, including the EAGL system, mounting hardware, and the SiSA software licenses. The customer is expected to provide access to existing network infrastructure, such as internet connectivity and server space for the system to operate efficiently. In some cases, additional power sources or network modifications may be required, which will be coordinated with the customer during the site assessment phase. Please refer to section F.1 for further details on HQE's Bill of Material.

5.1.8 Identify any subcontractors or third-party services that will be utilized in the performance of the services.

HQE performs the majority of work in-house, but for large-scale installations, we partner with certified third-party contractors for certain components, such as electrical wiring and sensor mounting. All subcontractors undergo a rigorous vetting process to ensure they meet HQE's quality and safety standards. The subcontractors we engage are typically local to the project area to facilitate rapid installation and minimize downtime.

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- 5.1.9 Describe and clearly indicate any exceptions to the specifications or requirements found in this RFP.

HQE has carefully reviewed the specifications of this RFP and finds no exceptions. The proposed SiSA and EAGL solution is fully compliant with all technical, operational, and performance requirements outlined in the RFP.

5.2 Project Related Experience and Qualifications

- 5.2.1 Provide a general explanation and chart which specifies project leadership and reporting responsibilities, and how the team will interface with Customer's project management and team personnel.

HQE has a dedicated project management team led by a certified Project Manager (PM) with extensive experience in deploying security systems, including gunshot detection solutions.

Please refer to Section B.2 for HQE's Qualifications of Dedicated Project Team which includes HQE's organizational chart.

- 5.2.2 Any goods or services not outlined in the Scope of Work that you wish to offer?

In addition to the gunshot detection systems, HQE offers supplementary services, including system integration with existing video surveillance systems, AI-driven threat detection analytics, and advanced cybersecurity measures to protect sensitive data. HQE also offers post-incident data analysis, which includes a detailed breakdown of events and a forensic review of system performance. Additionally, we provide ongoing training services for security personnel to maximize the effectiveness of the gunshot detection systems.

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5.2.3 Any major requirements that cannot be met by your firm?

HQE can meet all the requirements outlined in the RFP. There are no major requirements that we are unable to fulfill. Our technology and service offerings are fully compliant with the requested specifications and standards.

5.2.4 List the business location(s) out of which your firm's team members will work from. You are encouraged to provide options to cover multiple geographic areas outside of Dallas/Fort Worth.

HQE operates from multiple locations, with its headquarters in Temecula, CA. We have additional support offices in Dallas, TX, and Charleston, SC, allowing us to effectively serve customers across different regions. For projects in the North Central Texas area, the Dallas office will serve as the primary point of contact, ensuring rapid response times and localized support.

5.2.5 Provide an overview of Proposer's organization, size, years in business, and experience; major clients; and other information that you feel would assist in our evaluation process.

HQE is a technology solutions provider with 86 employees and over 15 years of experience in deploying security and emergency management systems. We specialize in gunshot detection, video management systems, and emergency mass notification systems. Our clients include government agencies such as the State of Alaska, Marine Corps Bases, and municipalities like the City of Galveston, TX. HQE has a proven track record of delivering reliable security solutions under tight deadlines, with 95-99% message delivery rates in emergency situations.

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- 5.2.6 Describe your invoicing process. Payment terms? Is payment by credit card accepted?

HQE uses a transparent and structured invoicing process. We issue invoices monthly, based on project milestones or deliverables as defined in the contract. Payment terms are typically Net 30, but we are flexible and open to discussing terms that suit the Customer's needs. We do accept payments by credit card, electronic transfer, ACH payments, and checks. Invoices include detailed breakdowns of services rendered, equipment costs, and any applicable taxes or fees.

- 5.2.7 Include a list of no more than five (5) similar contracts awarded within the last 5 years.

We have installed and continue to support SiSA systems with active shooter alerts at multiple U.S. Navy & Marines Corps based worldwide, Town of Paradise, CA., the University of Central Florida, and the Defense Information Systems Agency.
Please refer to section C.1 for HQE's past performance.

- 5.2.8 Identify any contracts within the past three years that were terminated due to non-performance.

HQE has had no contracts terminated due to non-performance in the past three years. All contracts have been completed successfully, meeting or exceeding client expectations.

- 5.2.9 State the warranty and length of same that may apply to the goods or services you are proposing.

HQE offers a comprehensive warranty on all gunshot detection systems, covering both hardware and software components. The warranty is valid for 12 months from the date of installation, with the option to extend for additional years through a maintenance and support contract. Our warranty covers any system defects or malfunctions, with guaranteed response times for service requests. Extended warranties and service plans are available for up to 5 years.

End of Proposal

"It is our goal at HQE to continue to serve our veterans through our 'Hire Veterans Policy HQE-2015-2025'. We appreciate all of our current and past customers who have helped us meet our goals of hiring veterans throughout the years. Your support in HQE is directly impacting the support of our incredible veterans. Thank you for your consideration and support of a FEMA Certified, Minority Business Enterprise (MBE), Disadvantaged Business Enterprise (DBE), and Service Disabled Veteran Owned Small Business (SDVOSB)!."

Thank You from the team of HQE Systems Inc.

Signed and Approved by

Qais Alkurdi

CEO, Disabled Veteran / Retired



Attachment 1: Datasheet

North Central Texas Council of Governments

Gunshot Detection System

(SOLICITATION: 2025-003)



North Central Texas
Council of Governments

Due Date: NOVEMBER 6, 2024

Proposal Prepared For:

North Central Texas Council of Governments
616 Six Flags Drive
Arlington, TX 76011

POC: Mr. Charlie Oberrender

Title: Contract Specialist

Email: coberrender@nctcog.org

Tel: (281) 610-8914

Proposal Approved By:

HQE Systems Inc.
27348 Via Industria
Temecula, CA 92590

POC: Mr. Qais Alkurdi

Title: Chief Executive Officer

Email: Contracts@HQESystems.com

Tel: (800) 967-3036 X1102

This proposal contains trade secrets and confidential business or financial information exempt from disclosure under the Freedom of Information Act. This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed—in whole or in part—for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of—or in connection with—the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use the information contained in this data if it is obtained from another source without restriction. The data subject to this restriction is contained in this proposal and all attachments. **All product names, logos, and brands are the property of their respective owners.** All company, product, and service names used in this proposal are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.

DragonFly™

Outdoor Ballistic Sensor



Solar panel enhances
internal battery life

*Encapsulated IoT Sensor within
Resonance Chamber with
Wall Mount shown
DYIOTEX

Application

An outdoor wireless gunshot sensor performing energy capture, waveform analysis and transmitting resultant data to the Emergency Automatic Gunshot Detection & Lockdown (EAGL) System, a Gunshot Detection System (GDS).

Description

Compact, wireless, self-contained, battery operated gunshot sensor executing threat versus non-threat validation analysis using energy waveform algorithms.

Sensor contained within resonance chamber allowing flat wall, corner or pole mounting capability while providing an optimum spherical detection coverage area $\leq 785,398\text{FT}^2$.

Threat validation data is wirelessly transmitted by sensor to the EAGL System Server via internal Quectel. Sensor data received by the EAGL System Server is processed further while initiating the appropriate preprogrammed automatic and autonomous Adaptive Response feature and process.

Sensor also receives calibration data from the EAGL Server using similar communication process and methods.

Sensor is GSM and GPS capable.
All transmissions are encrypted.

Certifications, Compliance and Conformance

Device and/or components have the following credentials are listed or meet the following rules / regulations:

FCC: CFR 47, Part 15, Subpart B:2017, Class B

EMC: ICES-003, Issue 6:2016, Class B IT Equipment;
2014/30/EU

RoHS: Directives 2015/863/EU; 2011/65/EU

UL: UL Yellow Card²: E67171-248322;
BBCV2.MH12193 (Listing);
UL94-HB (Flammability Rating)

CAN/CSA-CISPR 22-10

CE: RED 2014/53/EU

UN / DOT 38.3

Certifications are current at the time of this publication but are subject to change. PCNs will list certifications relevant at time of publication.

Typical Characteristics

POWER: Internal - Direct Input, Lithium Battery, 3.6VDC

BATTERY LIFE: Up to ~7 Years, optimally

FUNCTION: On-board Firmware, Energy Waveform Analysis

COMMUNICATION: IoT/RF, secure internet connection and data exchange (LoRa or Quectel-Cat M) GSM / GPS capable

SENSOR COVERAGE AREA: Outdoor, $\leq 785,398\text{FT}^2$ Spherical, OPTIMAL @ 30FT ELEVATION

SENSOR RANGE: $\leq 1000\text{FT}$ Diameter, maximum

DETECTION RESPONSE TIME: <4-8 Seconds

SENSOR DIMENSIONS: 4"OD x 2.25"T
(101.6 mm OD x 57.15 mm T)

RESONANCE CHAMBER: 7.623"OD x 5.69"H (CHAMBER ONLY)

OPERATING TEMPERATURE: -20°C to 60°C

SENSOR WEIGHT: 8.5 oz. or 0.531 lbs., (0.24 kg.)

RESONANCE CHAMBER WEIGHT: 21.9 oz. or 1.469 lbs., (0.666 kg.)

MOUNTING: Application Specific, see Outdoor Sensor Mounting System specification





*“Your wish for more time,
has been granted.”*

During an active shooter event, it takes about 5 minutes before the first call to 911.

On average one life is lost for every 15 seconds an active shooter continues their rampage.

Do the math.

By using EAGL's Emergency Automation, your call arrives at the 911 center in seconds, not minutes, without user delay.

Saving time and lives.

The EAGL Automation platform can automate your emergency response plans, for any emergency, allowing vital information to be delivered in seconds not only to law enforcement, but to everyone who needs it, in any format of your choosing: Text, Email, or Voice Call. The platform allows you to lock down doors and has the capability to activate other “obstacles” to slow down the “bad” and afford everyone more time to get safe, or to confront the issue. The system can deliver, to any browser-based device, the tools needed by those who arrive to help. Giving simple, ad-hock, access to satellite imagery and live visual alarms, along with real-time camera access, detailed floor maps, door lock access, and real-time situational awareness.

EAGL's Automation Saves Time.

Saving Time, Saves Lives!

Call us. Together, we can save lives. ▶ ▶ ▶ (877) 566-1700



www.eagltechnology.com



The EAGL Adaptive Response:

At the core of the EAGL Automation Platform is our patented Adaptive Response, which allows you to create custom automations very quickly and easily within the EAGL system.

Our simple to navigate web-based platform allows an authorized user to set up anything from a simple response automation: such as locking a door; to a more complex one: such as locking doors, turning off fire alarm bells, sending multiple notifications, making announcements, E911, etc. Any user can intuitively use this interface to simply click and select within its options on the Adaptive Response webpage, greatly reducing their time and effort to create Automation Scenarios while being assured they will function as intended.

For every input/activation point configured into the EAGL Automation Platform you have multiple options that can be automated within the Adaptive Response. These options include:

- Multiple Email and Text groups
- Custom Message Additions
- Automated Network Controlled Relays
- Local Server Address
- Public address or phone system-based audio announcements using the included text-to-speech engine or pre-recorded messages.
- Voice calls to multiple users with custom message.
- Alarm Post to multiple endpoints (API Based)
- VMS/EMS Direct Integration
- E911 Option
- Multi-user conference calling
- Lockdowns (one or many doors)
- Digital Floor Map Delivery
- Satellite Map with live alarms
- Multiple camera live access

Inputs and Sensor Options:

The EAGL platform can use multiple devices and choices to activate emergency automation. These choices can include, but are not limited to, hard connections such as a relay contact, EAGL Sensors, and soft or “Snap-in” connections. Any of these options can be used alone, or alongside others, in an Adaptive Response automation scenario. This allows highly effective and targeted automations for any situation. Sensor can include any of our wireless sensors:

- Indoor Talon Gunshot Sensor
- Outdoor DragonFly or DragonFly Extreme Sensors
- Body Worn BlueFly Gunshot and Man-Down sensor.
- Panic/Duress/Safe Buttons
- Panic/Pull Stations
- Vape Sensor
- In-Vehicle TransitFly sensor
- EAGL Smart Phone Safe App

Soft Connection and “Snap-Ins”:

- Weapons Detection
- Fight Detection
- Intruder Detection
- Suspicious behavior
- Facial Recognition
- License Plate Recognition
- Smoke/Fire
- Slip and Fall
- Etc.

As well as hardwired/Contact based inputs from any other system or solution.



Choose Your Deployment Option:

On-Premise Appliance:

Application

The Emergency Automatic Gunshot Detection and Lockdown (EAGL) System is a Gunshot Detection System (GDS) capable of providing both automatic and autonomous responses upon threat detection and validation.

Description

Configuration uses standard HTTP/HTTPS protocol over TCP/IP operating on a Linux platform allowing integration flexibility and interoperability with third party APIs, analog outputs, access control, video and mass notification messaging systems. EAGL Server presents system status by allowing credentialled operator interface via its web-based Graphical User Interface (GUI). Server also offers notification features to include: Email, Text (Text-to-Speech), VoIP and POTS phone dial functions.

The EAGL Server connects via Power-Over-Ethernet (POE) to EAGL Gateways allowing encrypted, two-way, wireless RF communication to FireFly® and DragonFly™ Energy Detectors.

Typical Characteristics

POWER: External, 120VAC, Single Phase Input (NEMA 5-15P)

SERVER: Embedded Host Firmware, Web Server

DIALER: Analog / Digital (POTS / VoIP)

RELAY BOARD: IP Controlled Relay Board (8 IP Relays, 8 Operational Modes)

DIMENSIONS: (2U) 19"L x 17.5"W x 3.5"H
482.6 mm x 444.5 mm x 88.9 mm

OPERATING ENVIRONMENT: Typical IT Room, Controlled Environment

OPERATING SYSTEM: Linux

INTEGRATION: Access Control, Video Surveillance, Wide Area Notification, Aural/Emergency Light & Strobe, PA systems and VoIP

ARCHITECTURE: Allows interoperability with third party APIs

Cloud Service:

Application

The Emergency Automatic Gunshot Detection and Lockdown EAGL Cloud Server provides administrators with flexible and cost effective options for system management. Device also supports EAGL system operation and reporting functions while allowing deep workflow integration* with building security systems.

Description

Configuration allows flexible integration and interoperability with 3rd party equipment using an open API structure. These include: access control, video, and mass notification systems*. The EAGL Cloud Server presents system status by allowing credentialled operator interface via its web-based Graphical User Interface (GUI). Server also offers notification features to include: Email, Text (Text-to-Speech), e911, and VoIP phone dial functions. Server can also provide analog outputs initiating 3rd party equipment functionality while performing automatic yet autonomous Adaptive Responses to meet the immediate emergency need*. The EAGL Cloud Server can pair either with RF or IoT system devices and uses AES 256-bit encryption for wireless device communication.

Typical Characteristics

SERVER: Cloud Based

DIALER: Digital (VoIP)

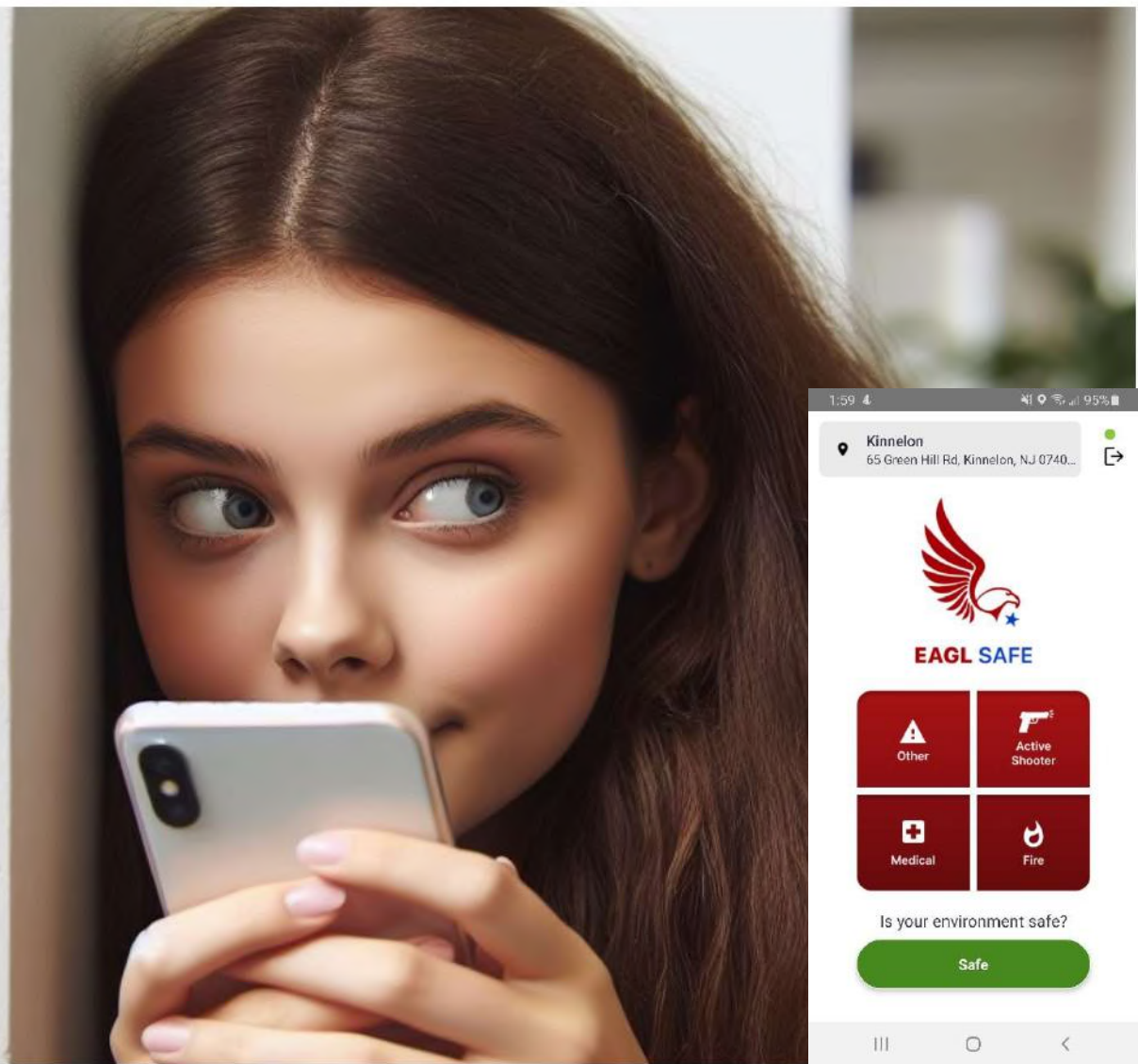
OPERATING SYSTEM: Linux

INTEGRATION: Access Control, Video Surveillance, Wide Area Notification, Aural/Emergency Light and Strobe, PA systems, VoIP, and e911

ARCHITECTURE: Allows interoperability with 3rd party APIs



EAGL SAFE APP



“The smartest thing on a smart phone”

Nothing is more likely to be close at hand during an emergency than your smart phone. With EAGL’s new “Safe App” loaded on board; you have the tools at your fingertips to send help – **FAST!**

Safe App uses EAGL’s patented Adaptive Response Technology and Emergency Automation to silently deliver Text, Email, Voice Notifications, and push data directly to 911, within seconds of pressing the key within the Safe App. This delivers the user’s name and specific location data along with the type of Emergency: “Active Shooter”, “Fire”, “Medical”, and “Other” everywhere needed.

Call us. Together, we can save lives. ▶ ▶ ▶ (877) 566-1700



www.eagltechnology.com



EAGL Automatic Emergency Response Platform

EAGL Technology, Inc was originally founded with the express purpose of developing and bringing to market technology that would save lives during an emergency.

Since those beginnings, we have improved and added functionality which has led to the current iteration of the EAGL System.

The **EAGL Emergency Automation Platform** is the simplest Emergency Automation solution that can remove the wasted time and human hesitation often seen in an emergency.

Our system automates any **Emergency Response Plan**, using our patented “Adaptive Response” providing a near instantaneous custom response while sending all the critical information to everyone that needs it immediately, as it slows down the timeline of the bad if possible, and provides tools to emergency responders to eliminate the lack of information normally seen during an emergency event.



“The EAGL System provides an unparalleled ability to eliminate wasted minutes at the start of an emergency, while providing critical information and tools to responders”

In Just seconds!



The EAGL Adaptive Response:

At the core of the EAGL Automation Platform is our patented Adaptive Response, which allows you to create custom automations very quickly and easily within the EAGL system.

Our simple to navigate web-based platform allows an authorized user to set up anything from a simple response automation: such as locking a door; to a more complex one: such as locking doors, turning off fire alarm bells, sending multiple notifications, making announcements, E911, etc. Any user can intuitively use this interface to simply click and select within its options on the Adaptive Response webpage, greatly reducing their time and effort to create Automation Scenarios while being assured they will function as intended.

For every input/activation point configured into the EAGL Automation Platform you have multiple options that can be automated within the Adaptive Response. These options include:

- Multiple Email and Text groups
- Custom Message Additions
- Automated Network Controlled Relays
- Local Server Address
- Public address or phone system-based audio announcements using the included text-to-speech engine or pre-recorded messages.
- Voice calls to multiple users with custom message.
- Alarm Post to multiple endpoints (API Based)
- VMS/EMS Direct Integration
- E911 Option
- Multi-user conference calling
- Lockdowns (one or many doors)
- Digital Floor Map Delivery
- Satellite Map with live alarms
- Multiple camera live access

Inputs and Sensor Options:

The EAGL platform can use multiple devices and input options to activate emergency automation. These can include, but are not limited to, hard connections such as a relay contact, EAGL's Proprietary Sensors, and soft or "Snap-in" connections. Any of these can be used alone, or alongside others, in an Adaptive Response automation scenario. This allows highly effective and targeted automations for any situation. Sensors can include any of our wireless sensors:

- Indoor Talon Gunshot Sensor
- Outdoor DragonFly or DragonFly Extreme Sensors
- Body Worn BlueFly Gunshot and Man-Down sensor.
- Panic/Duress/Safe Buttons
- Panic/Pull Stations
- Vape Sensor
- In-Vehicle TransitFly sensor
- EAGL Smart Phone Safe App

Soft Connection and "Snap-Ins" via Video based AI:

- Weapons/Knife Detection
- Fight Detection
- Intruder Detection
- Suspicious behavior
- Facial Recognition
- License Plate Recognition
- Smoke/Fire
- Slip and Fall
- Etc.

As well as hardwired/Contact based inputs from any other system or solution.

**Always on duty,
Always vigilant,
Always ready,
Always one step ahead....**





TALON Indoor Ballistic Sensor



Typical Characteristics

POWER: Internal - Direct Input, Lithium Battery, 3.6VDC

BATTERY LIFE: ~5-6 YEARS, OPTIMALLY

FUNCTION: On-board Firmware, Energy Level and Waveform Analysis

COMMUNICATION: Encrypted, Wireless RF,
1 of 10 Channels, 433 MHz

DETECTION RANGE: Indoor, ~100 FT Radius
< ~31,415 FT² Spherical Area

DETECTION RESPONSE TIME: <4-8 Seconds

DIMENSIONS: 4"OD x 2.25"T
101.6 mm OD x 57.15 mm T

OPERATING TEMPERATURE: -40°F to 185°F

WEIGHT: 7.7 oz (0.481 lbs)
0.218 kg

MOUNTING: Horizontal and Vertical surfaces

Application

An indoor wireless gunshot sensor performing energy capture, waveform analysis, and transmitting resultant data to the Emergency Automatic Gunshot Detection & Lockdown (EAGL) System, a Gunshot Detection System (GDS).

Description

Compact, wireless, self-contained, battery operated gunshot sensor executing threat versus non-threat validation analysis using energy level and waveform analysis algorithms.

Optimal sensor coverage when mounted to horizontal ceiling substrates and providing a spherical detection coverage area of ~31,415 FT². Sensor can be mounted to vertical surfaces although this method presents a decreased coverage area.

Threat validation data is wirelessly transmitted by sensor to the EAGL System Server via the EAGL Gateway. Data received by the EAGL System Server is processed further initiating the appropriate preprogrammed automatic and autonomous Adaptive Response feature and process.

Sensors also receive calibration data from the EAGL Server using similar communication process and methods. All transmitted data is encrypted operating on LoRa, 433 MHz.

Certifications, Compliance and Conformance

Device and/or components have the following credentials are listed or meet the following certifications, compliances, ratings, regulations, standards, specifications, or rules:

ETSI: EN 330 220-1 V3.1.1

FCC: CFR 47, Part 15, Subpart B:2017, Class B;
ID: 2ALPH-E19

EMC: ICES-003, Issue 6:2016, Class B IT Equipment;
2014/30/EU

RoHS: Directives 2015/863/EU; 2011/65/EU

UL: UL Yellow Card²: E67171-248322;
BBCV2.MH12193 (Listing);
UL94-HB (Flammability Rating)

CAN/CSA-CISPR 22-10

CE: RED 2014/53/EU
UN / DOT 38.3



Dimensions

Numbers = [Millimeters], all else are SAE

- Device Through-Hole Locations and Dimension = 0.1875”D [4.7625]

Device Thickness = 2.25" [57.15]



EAGL Vape Sensor



“Clear The Air, Clear Their Minds”

Safety encompasses the welfare of everyone, and not just during a critical emergency. EAGL Technology recognizes this and is continuing to add layers of technology to respond to every situation. EAGL's new Vape Sensor allows for the detection and notification of *vaping* and *smoke*, (such as from *cigarettes* or *marijuana*), and can be installed above or below the ceiling for an openly viewable deterrent or for discreet detection.

Notifications are easily remotely configurable, via browser, using EAGL's patented Adaptive Response, allowing for customizable notifications via text, email, and/or voice calls and can include our near instantaneous automation to trigger map-based location details, camera pop-up, and many other features and functions.

Simple to install anywhere: Bathrooms, Locker Rooms, or Classrooms with no privacy concerns!

Call us. Together, we can save lives. ▶ ▶ ▶ (877) 566-1700



www.eagltechnology.com



EAGL Vape Detector



Application

A detector for monitoring indoor air quality and capable of sensing Volatile Organic Compounds (VOCs), equivalent carbon dioxide (eCO_2), and suspended particulate matter (PM10).

Description

The EAGL Vape Detector continuously routes area air samples over internal components comprised of multiple metal-oxide (MOX) sensor elements. Another internal component uses light scattering and measurement techniques to detect and measure particulates associated with conventional tobacco use and vaping products.

Detector components have these indoor air sampling sensor ranges: eCO_2 - 400 to 60,000 ppm, PM10 - 0 to 60,000 ppb.

Each detection event becomes reportable to initiate mitigative response. Event reportability is performed via direct network connection to the EAGL server via Power-over-ethernet (POE) CAT 5 - 6e cabling or IoT configuration.

Typical Characteristics

POWER: External, POE, Single Phase Input (RJ-45)

COMMUNICATION: POE to / from EAGL Server

CLOUD

COMMUNICATION: IoT, secure internet connection and data exchange (Quectel BG95 M1)

DIMENSIONS: 7.87"L x 4.72"W x 3.05"T
200.00 mm x 120.00 mm x 86.00 mm

WEIGHT: 1lb, 4.2oz
0.572kg

OPERATING ENVIRONMENT: Indoor Environment

ANTENNA: Internal

Certifications, Compliance and Conformance

Device and/or components have the following credentials are listed or meet the following certifications, compliances, conformities, declarations, ratings, regulations, rules, specifications, standards or tests:

FCC: CFR 47, Part 15, Subpart B:2018, Class B Digital Device

EMC (Art. 3(1)(b)): EN 55032:2015; EN55024:2010 A1:2015; ICES-003, Issue 6:2016, Class B IT Equipment; 2014/53/EU

RoHS: Directives 2015/863/EU; 2011/65/EU

EN: 62368-1:2014, 62311:2008:2011, 60529, 62262

UL: 508A , EN62208, UL746C (Flammability Rating)
UL File no.: E189312





ADVANCED MASS NOTIFICATION SYSTEM (MNS)



OS Agnostic



Modern Software



Secure Platform



Highly Intuitive

SiRcom

Dashboard

Messages

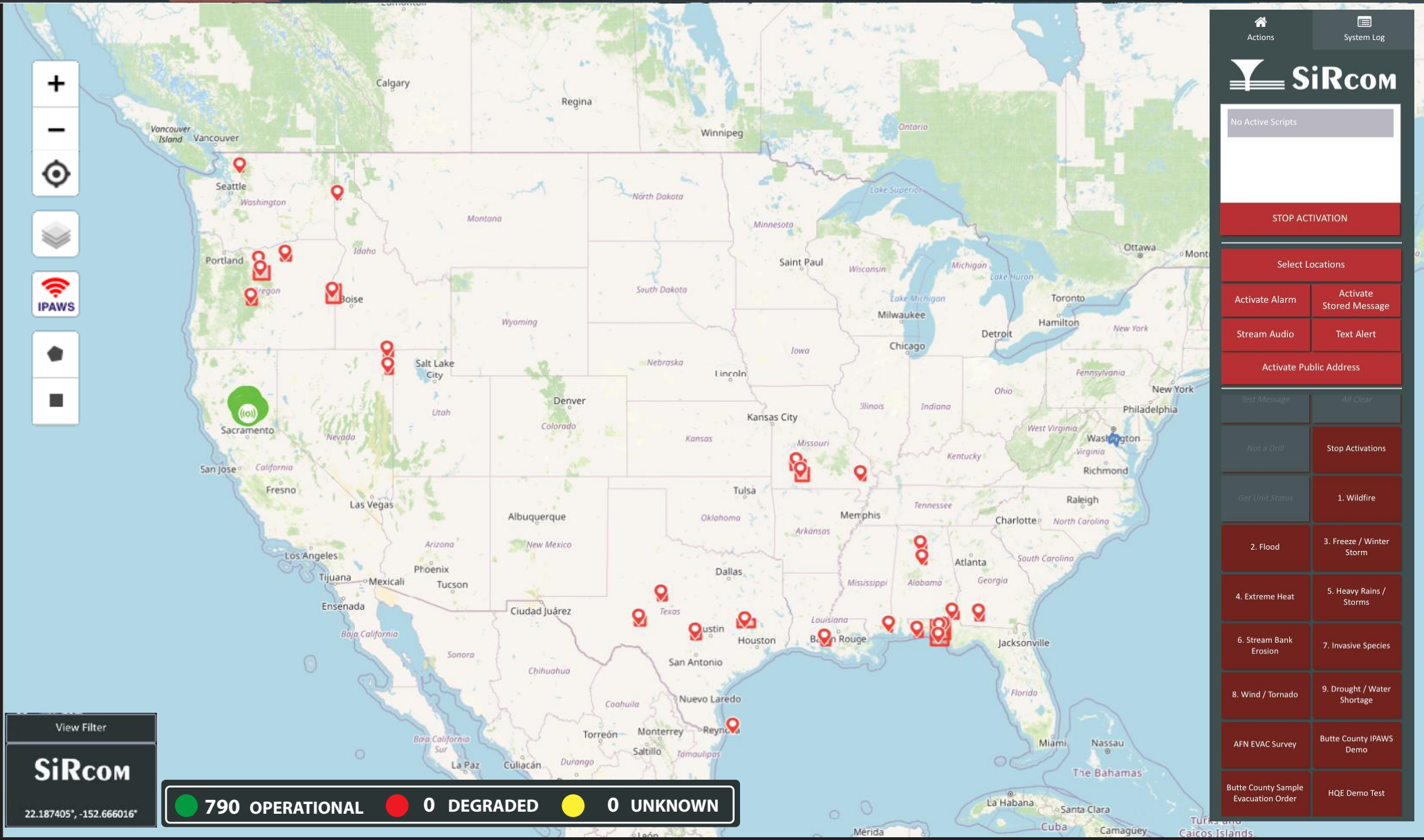
Templates

Recipients

Admins

Settings

SiSA Admin



No Active Scripts

STOP ACTIVATION

Select Locations

Activate Alarm

Activate Stored Message

Stream Audio

Text Alert

Activate Public Address

Test Message

All Clear

Not a Drill

Stop Activations

Get Unit Status

1. Wildfire

2. Flood

3. Freeze / Winter Storm

4. Extreme Heat

5. Heavy Rains / Storms

6. Stream Bank Erosion

7. Invasive Species

8. Wind / Tornado

9. Drought / Water Shortage

AFN EVAC Survey

Butte County IPAWS Demo

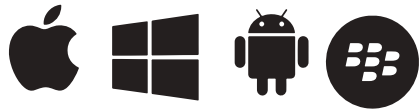
Butte County Sample Evacuation Order

HQE Demo Test

MASS NOTIFICATION SOFTWARE FOR EVERY DEVICE PLATFORM & ENVIRONMENT

Dynamic, Responsive, and Highly Intuitive Software

Any Operating System



Any SMART Device



Meets All Compliance Regulations, Laws, & Policies



Manage Alerts From All Levels Of The Organization

SiRcom Dashboard Messages Templates Recipients Admins Settings SISA Admin

Special Weather Statement
Special Weather Statement
NWS Mobile AL
Sent: 2023-05-15T16:26:00-05:00 Expires: 2023-05-15T17:00:00-05:00
Special Weather Statement issued May 15 at 4:26PM CDT by NWS Mobile AL
Description (EN)
At 426 PM CDT, National Weather Service doppler radar indicated a strong thunderstorm 5 miles east of Loxley. This storm was nearly stationary. HAZARD...Winds in excess of 40 mph and pea size hail. SOURCE...Radar indicated. IMPACT...Gusty winds could knock down tree limbs and blow around unsecured objects. Minor damage to outdoor objects is possible. Locations impacted include... Robertsdale, Loxley and Silverhill.
Instruction (EN)
If outdoors, consider seeking shelter inside a building.
Web URL (EN): <http://www.weather.gov>

Actions System Log
SiRcom
No Active Scripts
STOP ACTIVATION
Select Locations
Activate Alarm Activate Stored Message
Stream Audio Text Alert
Activate Public Address
Text Message All Clear
Not a Drill Stop Activations
Get Unit Status
1. Wildfire
2. Flood 3. Freeze / Winter Storm
4. Extreme Heat 5. Heavy Rains / Storms
6. Stream Bank Erosion 7. Invasive Species
8. Wind / Tornado 9. Drought / Water Shortage
AFN EVAC Survey Butte County IPAWS Demo
Butte County Sample Evacuation Order HQE Demo Test

View Filter
SiRcom
22.187405°, -152.666016°
790 OPERATIONAL 0 DEGRADED 0 UNKNOWN

Base | SECURE & STACKABLE SMART TECHNOLOGY BACKBONE

Parking
Lighting
Traffic

Streetlights
Water mgmt
Microgrids

Ridesharing
Commuting
Bike sharing

Airports
Districts
Office parks

Private
Micro Services

CITIES

UTILITIES

CORPORATIONS

COMMUNITIES

CITIZENS

Innovation Enablement and Acceleration

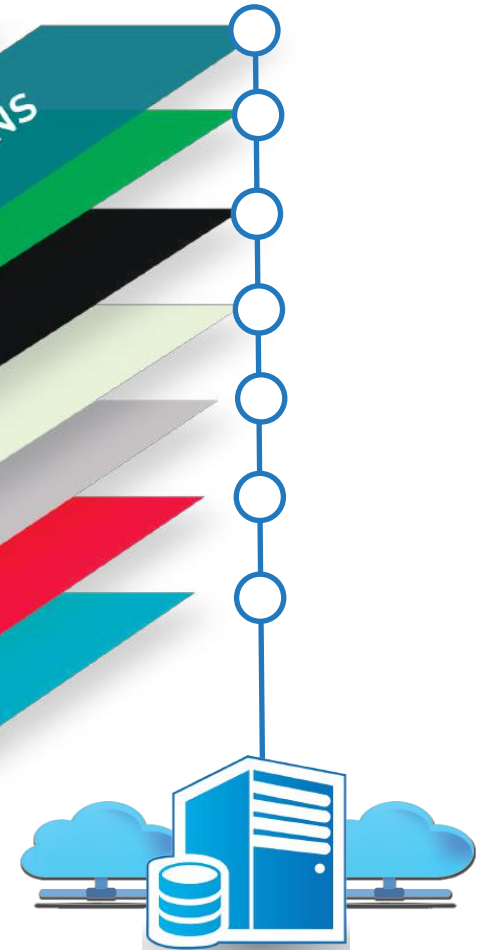
Governance, Management and Operations

Policies, Processes, Public-Private Partnerships and Programs

Data "Marketplace" and Analytics

Connectivity, Accessibility and Security

Smart City Technology Infrastructure



SiRcom
SMART Alert Software

GUI | MULTIPLE BUILT-IN INTERACTIVE OR CUSTOM MAPS



SiRcom

Dashboard

Messages

Templates

Recipients

Admins

Settings

SISA Admin



Actions

System Log

SiRcom

No Active Scripts

STOP ACTIVATION

Select Locations

Activate Alarm

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Stream Audio

Text Alert

Activate Public Address

Test Message

All Clear

Not a Drill

Stop Activations

Get Unit Status

1. Wildfire

2. Flood

3. Freeze / Winter Storm

SiRcom

Dashboard

Messages

Templates

Recipients

Admins

Settings

SISA Admin



View Filter

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790 OPERATIONAL 0 DEGRADED 0 UNKNOWN

SiRcom

No Active Scripts

STOP ACTIVATION

Select Locations

Activate Alarm

Activate Stored Message

Stream Audio

Text Alert

Activate Public Address

Stop Activations

1. Wildfire

2. Flood

3. Freeze / Winter Storm

4. Extreme Heat

5. Heavy Rain / Storm

6. Stream Bank Erosion

7. Invasive Species

8. Wild / Torpedo

9. Drought / Water Shortage

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GUI | POWERFUL DASHBOARD TO QUICKLY SELECT RECIPIENTS

All Alerts Can Be Managed & Sent From The Dashboard

The screenshot displays the SiRcom dashboard interface. The top navigation bar includes links for Dashboard, Messages, Templates, Recipients, Admins, Settings, and a user profile for SISA Admin. The main map area shows a geographical view of Butte County, CA, with a blue polygon indicating a selected area. A 'Selected Units' modal is open, listing units with red 'X' marks, indicating they are selected. The units listed are:

- Biggs (5001)
- Chico (5002)
- Gridley (5003)
- Nord (U) (5010)
- Biggs (U) (5026)
- Richvale (U) (5028)
- Nelson (U) (5029)
- Durham (U) (5030)

A 'Clear All Selected' button is located at the top of the modal. The bottom status bar shows the following counts:

- 790 OPERATIONAL (green circle)
- 0 DEGRADED (red circle)
- 0 UNKNOWN (yellow circle)

The right sidebar contains a 'System Log' section with the SiRcom logo and a 'No Active Scripts' message. Below this is a 'STOP ACTIVATION' button. The 'Select Locations' section includes buttons for 'Activate Alarm', 'Activate Stored Message', 'Stream Audio', and 'Text Alert'. The 'Activate Public Address' section includes buttons for 'Text Message', 'All Clear', 'Not a Drill', 'Stop Activations', 'Get Unit Status', and a list of 10 disaster types: 1. Wildfire, 2. Flood, 3. Freeze / Winter Storm, 4. Extreme Heat, 5. Heavy Rains / Storms, 6. Stream Bank Erosion, 7. Invasive Species, 8. Wind / Tornado, 9. Drought / Water Shortage, and 10. AFN EVAC Survey. The bottom right corner of the sidebar shows 'Butte County Sample Evacuation Order' and 'HQE Demo Test'.

Simple To Use Highly Intuitive Message Creation Menu

SiRcom

Dashboard

Messages

Templates

Recipients

Admins

Settings

SiSA Admin

Create New Alert

Inbox0

Surveys1

Sent93

Drafts3

Trash55

Send Alert Message

Choose an Alert Template

Choose a Template

OR

Create a New Alert

Select Channel(s)

Select Group(s) or Dynamic Group

Select Region(s) or Dynamic Region

Alert Message

EnglishSpanishGermanFrench

Translate All

SMS/Text Message (160 Characters)

Short/SMS Message Text...

Phone Call Intro Message (optional)

Example: This is an alert from ...

Phone Call Alert Message (Sent as Text to Speech)

Phone Call Alert Message...

Phone Call Audio Message (optional)

Choose FileNo file chosen

Cancel

Save as Draft

Save as Template

Send Message

GUI | ANTICIPATE ANY MAINTENANCE ISSUES BEFORE THE EMERGENCY

Monitor The Health Status Of All Hardware On The Network

SiRcom

Dashboard

Messages

Templates

Recipients

Admins

Settings

SISA Admin

+

-

View Filter

SiRcom

22.187405°, -152.666016°

SIREN #14

Location: 123 Jefferson St.

Address	Status	Comm
1022	Degraded	OK
Source	RSSI	Quality
101	155	Voice Mute
CRC	MISCOR	BWD RSSI
25	190	193
Mains	UPS	RS232
BAD	12.7v	OK

Actions

System Log

SiRcom

No Active Scripts

STOP ACTIVATION

Select Locations

Activate Alarm

Activate Stored Message

Stream Audio

Text Alert

Activate Public Address

Test Message

All Clear

Not a Drill

Stop Activations

Get Unit Status

1. Wildfire

2. Flood

3. Freeze / Winter Storm

4. Extreme Heat

5. Heavy Rains / Storms

6. Stream Bank Erosion

7. Invasive Species

8. Wind / Tornado

9. Drought / Water Shortage

AFN EVAC Survey

Butte County IPAWS Demo

Butte County Sample Evacuation Order

HQE Demo Test

790 OPERATIONAL

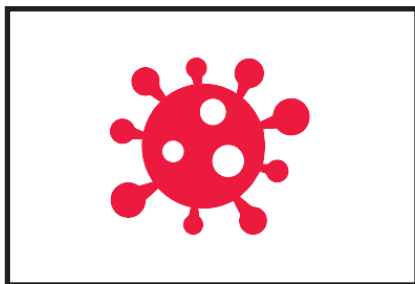
1 DEGRADED

0 UNKNOWN

Integration | UNLIMITED INTEGRATIONS OF 3RD PARTY SENSORS



RESORT BUBBLES



HEALTH & MEDICAL



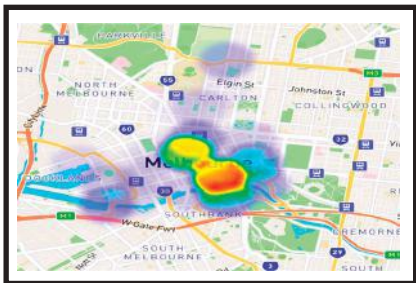
NETWORKED SERVICES



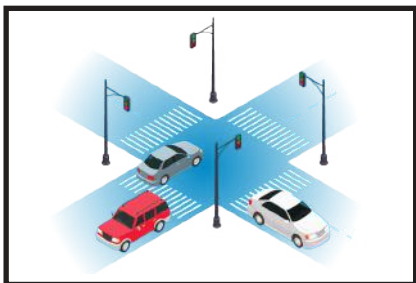
WEATHER SENSORS



SMART IOT SENSORS



DENSITY MAPS



SMART TRAFFIC FLOW



TYPHOONS



TSUNAMIS



EARTHQUAKES



FLOODS



LIGHTNING



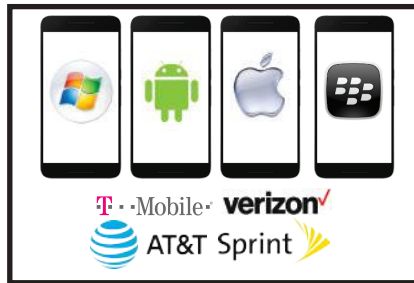
SMART Alert Software

SiRcom Can Integrate All Of Your Existing Technology With All Future Requirements!

Base | UNIFY ALL YOUR SECURITY & LIFE SAFETY SYSTEMS



EMAIL ALERTS



SMS TEXT & VOICE CALLS



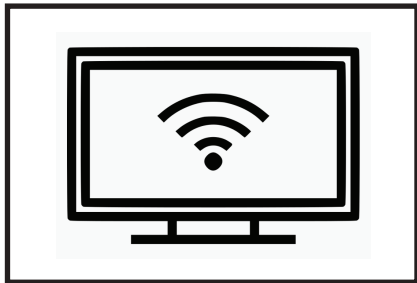
DIGITAL DISPLAYS



DESKTOP ALERTS



SOCIAL MEDIA UPDATES



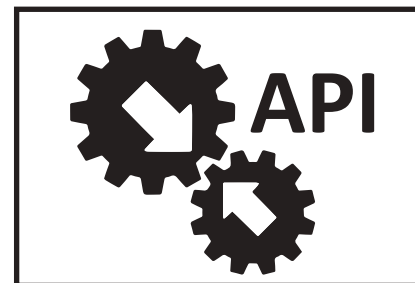
NETWORKED TV



VOIP PHONE ALERTS



FEMA IPAWS ALERT



SOFTWARE INTEGRATION



OUTDOOR SIRENS



PUBLIC ADDRESS



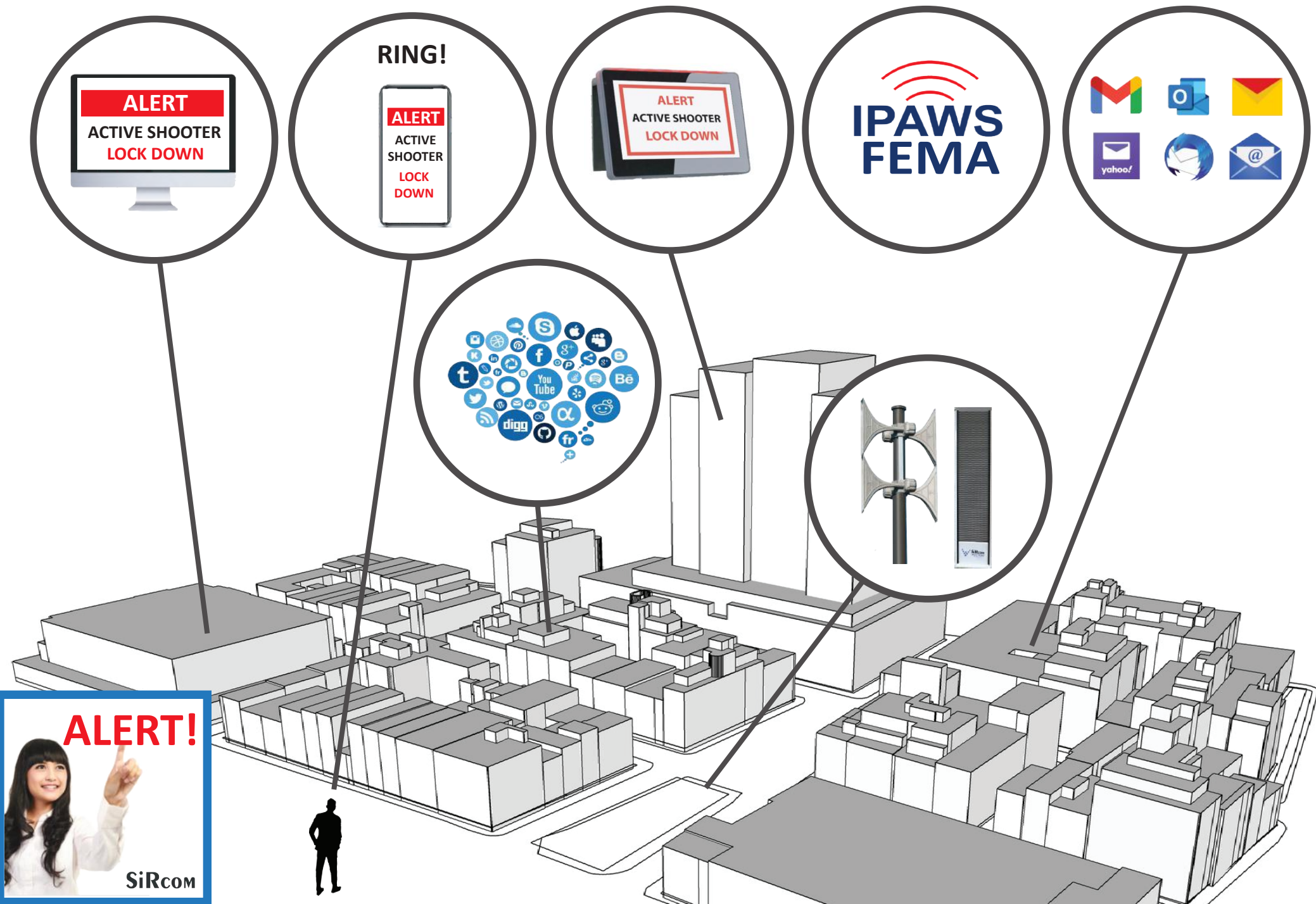
SAFETY ALARMS



SMART Alert Software

SiRcom Integrates All Of Your Channels To
Unify The Message From A Single Management Portal.

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