

# VENDOR CONTRACT

Between \_\_\_\_\_ and  
(Company Name)

## THE INTERLOCAL PURCHASING SYSTEM (TIPS)

For

Notification Systems

CONTRACT NUMBER 4022516

## General Information

The vendor contract shall include the contract, the terms and conditions, special terms and conditions, any agreed upon amendments, as well as all of the sections of the solicitation and the awarded vendor's proposal. Once signed, if an awarded vendor's proposal varies or is unclear in any way from the TIPS contract, TIPS, at its sole discretion, will decide which provision will prevail. Other documents to be included are the awarded vendor's proposals, task orders, purchase orders and any adjustments which have been issued.

The following pages will constitute the contract between the successful vendors(s) and TIPS. Bidders shall state, in a separate writing, and include with their proposal response, any required exceptions or deviations from these terms, conditions, and specifications. If agreed to by TIPS, they will be incorporated into the final contract.

The Vendor Contract ("Contract") made and entered into by and between The Interlocal Purchasing System (hereinafter referred to as "TIPS" respectfully) a government cooperative purchasing program authorized by the Region VIII Education Service Center, having its principal place of business at 4845 US Hwy 271 North, Pittsburg, Texas 75686. This contract consists of the provisions set forth below, including provisions of all Attachments referenced herein. In the event of a conflict between the provisions set forth below and those contained in any Attachment, the provisions set forth shall control.

### Definitions

**PURCHASE ORDER** is the TIPS member's approval providing the authority to proceed with the negotiated delivery order under the contract. Special terms and conditions as agreed to between the vendor and TIPS member will be added as addendums to the PO. Items such as certificate of insurance, bonding requirements, small or disadvantaged business goals are some of the addendums possible.

**PREMIUM HOURS** are defined as those hours not included in regular hours or recognized holidays. Premium hours are to be approved by the TIPS member for each delivery order and noted in the delivery order proposal as a line item during negotiations.

**REGULAR HOURS** are defined as those hours between the hours of 7 AM and 6 PM Monday thru Friday.

## Terms and Conditions

### Freight

All deliveries shall be freight prepaid, F.O.B. destination and shall be included in all pricing offered unless otherwise clearly stated in writing.

### Warranty Conditions

All supplies equipment and services shall include manufacturer's minimum standard warranty unless otherwise agreed to in writing. Vendor shall be an authorized dealer, distributor or manufacturer for all products. All equipment proposed shall be new unless clearly stated in writing.

### Customer Support

The Vendor shall provide timely and accurate customer support to TIPS members. Vendors shall respond to such requests within one (1) working day after receipt of the request. Vendor shall provide training regarding products and services supplied by the Vendor unless otherwise clearly stated in writing at the time of purchase. (Unless training is a line item sold or packaged and must be purchased with product.)

### Contracts

**All contracts and agreements** between Vendors and TIPS Members shall strictly adhere to the statutes that are set forth in the Uniform Commercial Code as most recently revised.

**Contracts for purchase** will normally be put into effect by means of a purchase order(s) executed by authorized agents of the participating government entities.

**Davis Bacon Act** requirements will be met when Federal Funds are used for construction and/or repair of buildings.

### Tax exempt status

A taxable item sold, leased, rented to, stored, used, or consumed by any of the following governmental entities is exempted from the taxes imposed by this chapter:(1) the United States; (2) an unincorporated instrumentality of the United States; (3) a corporation that is an agency or instrumentality of the United States and is wholly owned by the United States or by another corporation wholly owned by the United States;(4) the State of Texas; (5) a Texas county, city, special district, or other political subdivision; or (6) a state, or a governmental unit of a state that borders Texas, but only to the extent that the other state or governmental unit

exempts or does not impose a tax on similar sales of items to this state or a political subdivision of this state. Texas Tax Code § 151.309.

### **Assignments of contracts**

No assignment of contract may be made without the prior written approval of TIPS. Payment can only be made to the awarded Vendor or vendor assigned dealer.

### **Disclosures**

1. Vendor affirms that he/she has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with this contract.
2. Vendor shall attach, in writing, a complete description of any and all relationships that might be considered a conflict of interest in doing business with participants in the TIPS program.
3. The vendor affirms that, to the best of his/her knowledge, the offer has been arrived at independently, and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over other vendors in the award of this contract.

### **Renewal of Contracts**

The contract is for one (1) year with an option for renewal for 2 consecutive years. Total term of contract can be up to 3 years if sales are reported through the contract and both parties agree.

### **Shipments**

The Vendor shall ship ordered products within five (5) working days after the receipt of the order. If a product cannot be shipped within that time, the Vendor shall notify TIPS and the requesting entity as to why the product has not shipped and shall provide an estimated shipping date, if applicable. TIPS or the requesting entity may cancel the order if estimated shipping time is not acceptable.

### **Invoices**

The Vendor or vendor assigned dealer shall submit invoices, to the TIPS participant. Each invoice shall include the TIPS participant's purchase order number. The shipment tracking number or pertinent information for verification of TIPS participant receipt shall be made available upon request. The Vendor or vendor assigned dealer shall not invoice for partial shipments unless agreed to in writing in advance by TIPS and the TIPS participant.

### **Payments**

The TIPS participant will make payments directly to the Vendor or vendor assigned dealer at net 30 days after receiving invoice.

## Pricing

The Vendor contracts to provide pricing to TIPS and its participating governmental entities that is the lowest pricing available to like cooperative purchasing customers and the pricing shall remain so throughout the duration of the contract.

The Vendor agrees to promptly lower the cost of any product purchased through TIPS following a reduction in the manufacturer or publisher's direct cost to the Vendor. Price increases will be honored. However, the Vendor shall honor previous prices for thirty (30) days after written notification to TIPS of an increase.

All pricing submitted to TIPS shall include the participation fee to be remitted to TIPS by the Vendor. Vendor will not show adding the fee to the invoice presented to customer. The normal fee is 2%, but can be negotiated with the Vendor.

## Participation Fees

Vendor or vendor assigned dealer contracts to pay the participation fee for all contract sales to TIPS on a monthly scheduled report. Vendor must login to the TIPS database and use the "Submission Report" section to report sales. The Vendor or vendor assigned dealers are responsible for keeping record of all sales that go through the TIPS contract. Failure to pay the participation fee will result in termination of contract. Please contact TIPS at [tips@tips-usa.com](mailto:tips@tips-usa.com) or call (866) 839-8477 if you have questions about paying fees.

## Indemnity

- 1. Indemnity for Personality Contracts.** Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's performance of this contract, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, invitees, whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.
- 2. Indemnity for Performance Contracts.** The Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's work under this contract, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, or invitees. Vendor further agrees to indemnify and

hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for injuries (including death) to an officer, employee, agent, subcontractor, supplier or equipment lessee of the Vendor, arising out of, or resulting from, Vendor's work under this contract whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.

**Attorney's Fees--Texas Local Government Code § 271.159 is expressly referenced.**

Pursuant to §271.159, TEXAS LOC. GOV'T CODE, in the event that any one of the Parties is required to obtain the services of an attorney to enforce this Agreement, the prevailing party, in addition to other remedies available, shall be entitled to recover reasonable attorney's fees and costs of court.

**Multiple Vendor Awards**

TIPS reserves the right to award multiple vendor contracts for categories when deemed in the best interest of the TIPS membership. Bidders scoring 80% or above will be considered for an award. Categories are established at the discretion of TIPS.

**State of Texas Franchise Tax**

By signature hereon, the bidder hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes owed the State of Texas under Chapter 171, Tax Code.

**Miscellaneous**

The Vendor acknowledges and agrees that continued participation in TIPS is subject to TIPS sole discretion and that any Vendor may be removed from the participation in the Program at any time with or without cause. Nothing in the contract or in any other communication between TIPS and the Vendor may be construed as a guarantee that TIPS participants will submit any orders at any time. TIPS reserves the right to request additional proposals for items already on contract at any time.

**Purchase Order Pricing/Product Deviation**

If a deviation of pricing/product on a purchase order occurs, TIPS is to be notified within 24 hours of receipt of order.

**Cancellation for non-performance or contract deficiency**

TIPS may terminate any contract if TIPS Members have not used the contract, or if purchase volume is determined to be "low volume" in any 12-month period. TIPS reserves the right to cancel the whole or any part of this contract due to failure by awarded vendor to carry out any obligation, term or condition of the contract. TIPS may issue a written deficiency notice to awarded vendor for acting or failing to act in any of the following:

- Providing material that does not meet the specifications of the contract;

- Providing work and/or material that was not awarded under the contract;
- Failing to adequately perform the services set forth in the scope of work and specifications;
- Failing to complete required work or furnish required materials within a reasonable amount of time;
- Failing to make progress in performance of the contract and/or giving TIPS reason to believe that awarded vendor will not or cannot perform the requirements of the contract; and/or
- Performing work or providing services under the contract prior to receiving a TIPS reviewed purchase order for such work.

Upon receipt of the written deficiency, awarded vendor shall have ten (10) days to provide a satisfactory response to TIPS. Failure to adequately address all issues of concern may result in contract cancellation. Upon cancellation under this paragraph, all goods, materials, work, documents, data and reports prepared by awarded vendor under this contract shall become the property of the TIPS Member on demand.

#### **TIPS Member Purchasing Procedures**

Purchase orders are issued by participating TIPS member to the awarded vendor indicating on the PO "Contract Number". Purchase Order is emailed to TIPS at [tipspo@tips-usa.com](mailto:tipspo@tips-usa.com).

- Awarded vendor delivers goods/services directly to the participating member.
- Awarded vendor invoices the participating TIPS member directly.
- Awarded vendor receives payment directly from the participating member.
- Awarded vendor reports sales monthly to TIPS (unless prior arrangements have been made with TIPS to report monthly).

#### **Form of Contract**

The form of contract for this solicitation shall be the Request for Proposal, the awarded proposal(s) and best and final offer(s), and properly issued and reviewed purchase orders referencing the requirements of the Request for Proposals. If a vendor submitting an offer requires TIPS and/or TIPS Member to sign an additional agreement, a copy of the proposed agreement must be included with the proposal.

Vendor contract documents: TIPS will review proposed vendor contract documents. Vendor's contract document shall not become part of TIPS's contract with vendor unless and until an authorized representative of TIPS reviews and approves it.

#### **Licenses**

Awarded vendor shall maintain in current status all federal, state and local licenses, bonds and permits required for the operation of the business conducted by awarded vendor. Awarded vendor shall remain fully informed of and in compliance with all ordinances and regulations pertaining to the lawful provision of services under the contract. TIPS reserves the right to stop

work and/or cancel contract of any awarded vendor whose license(s) expire, lapse, are suspended or terminated.

### **Novation**

If awarded vendor sells or transfers all assets or the entire portion of the assets used to perform this contract, a successor in interest must guarantee to perform all obligations under this contract. TIPS reserves the right to accept or reject any new party. A simple change of name agreement will not change the contractual obligations of awarded vendor.

### **Site Requirements (when applicable to service or job)**

**Cleanup:** Awarded vendor shall clean up and remove all debris and rubbish resulting from their work as required or directed by TIPS Member. Upon completion of work, the premises shall be left in good repair and an orderly, neat, clean and unobstructed condition.

**Preparation:** Awarded vendor shall not begin a project for which TIPS Member has not prepared the site, unless awarded vendor does the preparation work at no cost, or until TIPS Member includes the cost of site preparation in a purchase order.

Site preparation includes, but is not limited to: moving furniture, installing wiring for networks or power, and similar pre-installation requirements.

**Registered sex offender restrictions:** For work to be performed at schools, awarded vendor agrees that no employee of a sub-contractor who has been adjudicated to be a registered sex offender will perform work at any time when students are or reasonably expected to be present. Awarded vendor agrees that a violation of this condition shall be considered a material breach and may result in the cancellation of the purchase order at the TIPS Member's discretion.

Awarded vendor must identify any additional costs associated with compliance of this term. If no costs are specified, compliance with this term will be provided at no additional charge.

**Safety measures:** Awarded vendor shall take all reasonable precautions for the safety of employees on the worksite, and shall erect and properly maintain all necessary safeguards for protection of workers and the public. Awarded vendor shall post warning signs against all hazards created by the operation and work in progress. Proper precautions shall be taken pursuant to state law and standard practices to protect workers, general public and existing structures from injury or damage.

### **Smoking**

Persons working under contract shall adhere to local smoking policies. Smoking will only be permitted in posted areas or off premises.

### **Invoices**

The awarded vendor shall submit invoices to the participating entity clearly stating "Per TIPS Contract". The shipment tracking number or pertinent information for verification shall be made available upon request.

## **Marketing**

Awarded vendor agrees to allow TIPS to use their name and logo within website, marketing materials and advertisement. Any use of TIPS name and logo or any form of publicity, inclusive of press release, regarding this contract by awarded vendor must have prior approval from TIPS.

## **Supplemental agreements**

The entity participating in the TIPS contract and awarded vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this contract i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this contract is exclusively between the participating entity and awarded vendor. TIPS, its agents, TIPS members and employees shall not be made party to any claim for breach of such agreement.

## **Legal obligations**

It is the responding vendor's responsibility to be aware of and comply with all local, state and federal laws governing the sale of products/services identified in this RFP and any awarded contract thereof. Applicable laws and regulations must be followed even if not specifically identified herein.

## **Audit rights**

Awarded Vendor shall, at their sole expense, maintain appropriate due diligence of all purchases made by TIPS Member that utilizes this Contract. TIPS and Region 8 ESC each reserve the right to audit the accounting for a period of three (3) years from the time such purchases are made. This audit right shall survive termination of this Agreement for a period of one (1) year from the effective date of termination. TIPS shall have authority to conduct random audits of Awarded Vendor's pricing that is offered to TIPS Members. Notwithstanding the foregoing, in the event that TIPS is made aware of any pricing being offered to eligible entities that is materially inconsistent with the pricing under this agreement, TIPS shall have the ability to conduct the audit internally or may engage a third-party auditing firm. In the event of an audit, the requested materials shall be provided in the format and at the location designated by Region 8 ESC or TIPS.

## **Force Majeure**

If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and fully particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.



## **Services**

When applicable, performance bonds will be required on construction or labor required jobs over \$100,000 and payment bonds on jobs over \$25,000 or awarded vendor will meet the TIPS member's local and state purchasing requirements. Awarded vendors may need to provide additional capacity as jobs increase. Bonds will not require that a fee be paid to TIPS. The actual cost of the bond will be a pass through to the TIPS member and added to the purchase order.

## **Scope of Services**

The specific scope of work for each job shall be determined in advance and in writing between TIPS Member and Awarded vendor. It is okay if the TIPS member provides a general scope, but the awarded vendor should provide a written scope of work to the TIPS member as part of the proposal. Once the scope of the job is agreed to, the TIPS member will issue a PO with the estimate referenced as an attachment along with bond and any other special provisions agreed to for the TIPS member. If special terms and conditions other than those covered within this solicitation and awarded contracts are required, they will be attached to the PO and shall take precedence over those in the base contract.

## **Project Delivery Order Procedures**

The TIPS member having approved and signed an interlocal agreement, or other TIPS membership document, may make a request of the awarded vendor under this contract when the TIPS member has services that need to be undertaken. Notification may occur via phone, the web, email, fax, or in person.

Upon notification of a pending request, the awarded vendor shall make contact with the TIPS member as soon as possible, but must make contact with the TIPS member within two working days.

## **Scheduling of Projects**

Scheduling of projects (if applicable) will be accomplished when the TIPS member issues a purchase order that will serve as "the notice to proceed". The period for the delivery order will include the mobilization, materials purchase, installation and delivery, design, weather, and site cleanup and inspection. No additional claims may be made for delays as a result of these items. When the tasks have been completed the awarded vendor shall notify the client and have the TIPS member inspect the work for acceptance under the scope and terms in the PO. The TIPS member will issue in writing any corrective actions that are required. Upon completion of these items, the TIPS member will issue a completion notice and final payment will be issued.

## **Support Requirements**

If there is a dispute between the awarded vendor and TIPS member, TIPS or its representatives will assist in conflict resolution or third party (mandatory mediation), if requested by either party. TIPS, or its representatives, reserves the right to inspect any project and audit the awarded vendors TIPS project files, documentation and correspondence.

## Special Terms and Conditions

It is the intent of TIPS to contract with a reliable, high performance vendor to supply products and services to government and educational agencies. It is the experience of TIPS that the following procedures provide TIPS, the Vendor, and the participating agency the necessary support to facilitate a mutually beneficial relationship. The specific procedures will be negotiated with the successful vendor.

- **Contracts:** All vendor purchase orders must be emailed to TIPS at tipspo@tips-usa.com. Should an agency send an order direct to vendor, it is the vendor's responsibility to forward the order to TIPS at the email above within 24 business hours and confirm its receipt with TIPS.
  - **Promotion of Contract:** It is agreed that Vendor will encourage all eligible entities to purchase from the TIPS Program. Encouraging entities to purchase directly from the Vendor and not through TIPS contract is not acceptable to the terms and conditions of this contract and will result in removal of Vendor from Program. Vendor is expected to use marketing funds for the marketing and promotion of this contract.
  - **Daily Order Confirmation:** All contract purchase orders will be approved daily by TIPS and sent to vendor. The vendor must confirm receipt of orders to the TIPS member (customer) within 24 business hours.
  - **Vendor custom website for TIPS:** If Vendor is hosting a custom TIPS website, then updated pricing must be posted by 1<sup>st</sup> of each month.
  - **Back Ordered Products:** If product is not expected to ship within 3 business days, customer is to be notified within 24 hours and appropriate action taken based on customer request.
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Check one of the following responses to the General Terms and Special Terms and Conditions:

( ) We take no exceptions/deviations to the general and/or special terms and conditions.

(Note: If none are listed below, it is understood that no exceptions/deviations are taken.)

( ) We take the following exceptions/deviations to the general and/or special terms and conditions. All exceptions/deviations must be clearly explained. Reference the corresponding general or special terms and conditions that you are taking exceptions/deviations to. The proposer must clearly state if you are adding additional terms and conditions to the general or special terms and conditions. Provide details on your exceptions/deviations below:

Exceptions:

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# The Interlocal Purchasing System (TIPS Cooperative) Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Kim Thompson Coordinator of Office Operations	Address	Region VIII Education Service Center 4845 US Highway 271 North	Address
Email	Kim.Thompson@tips-usa.com		Pittsburg, TX 75686	Contact
Phone	(903) 575-2608	Contact	Kim Thompson, TIPS Office Manager	Department Building
Fax	(866) 929-4402			
Bid Number	4022516	Department		Floor/Room
Title	Notification Systems	Building		Telephone
Bid Type	RFP			Fax
Issue Date	12/02/2015	Floor/Room		Email
Close Date	1/15/2016 3:00:00 PM CT	Telephone	+1 (866) 839-8477	
Need by Date		Fax	+1 (866) 839-8472	
		Email	bids@tips-usa.com	

## Supplier Information

Company Federal Signal Corporation  
 Address 2645 Federal Signal Drive  
 University Park, IL 60484  
 Contact  
 Department  
 Building  
 Floor/Room  
 Telephone 1 (708) 5343400  
 Fax 1 (708) 5344874  
 Email  
 Submitted 1/13/2016 5:03:01 PM CT  
 Total \$0.00

Signature Tamika L. Dew

Email tdew@federalsignal.com

## Supplier Notes

## Bid Notes

## Bid Activities

## Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Yes - No	Disadvantaged/Minority/Women Business Enterprise - D/M/WBE (Required by some participating governmental entities) Vendor certifies that their firm is a D/M/WBE? Vendor must upload proof of certification to the "Response Attachments" D/M/WBE CERTIFICATES section.	No
2	Yes - No	Highly Underutilized Business - HUB (Required by some participating governmental entities) Vendor certifies that their firm is a HUB? Vendor must upload proof of certification to the "Response Attachments" HUB CERTIFICATES section.	No
3	Yes - No	The Vendor can provide services and/or products to all 50 US States?	Yes
4	States Served:	If answer is NO to question #3, please list which states can be served. (Example: AR, OK, TX)	

5 Company and/or Product Description:

This information will appear on the TIPS website in the company profile section, if awarded a TIPS contract. (Limit 750 characters.)

For over 114 years, Federal Signal Corporation has delivered systems and solutions designed to enhance the safety, security and well-being of communities and workplaces around the world. We have deployed thousands of warning solutions, mass communication, and surveillance systems for various City, County, State agencies containing unique features to ensure the success of every project. Our systems are successfully operating in more than 40 countries worldwide; servicing Fortune 500 customers such as Ford Motor Company, Pacific Gas and Electric Corporation (PG&E), the State of Hawaii, the State of Washington, the country of the State of Kuwait, the City of New York Department of Information Technology & Telecommunications (NYDOITT), Michigan State Police, and the Center for Medicare & Medicaid Services to name a few. Our experience ranges from challenging indoor/outdoor warning systems to critical communication and video surveillance systems.

A hallmark of our planning process is the ability to thoroughly, yet quickly, define and refine our customer's needs. Our project managers and designers employ methods and disciplines appropriate to a customer's specific need. As a project progresses, our project managers, production team and engineers work collaboratively to ensure we deliver solutions that meet customer requirements. With a team of over 2800 employees worldwide, we guarantee that our systems provide the complete functionality necessary, as well as a unique scalability and integration capability that satisfies our customer's needs.

Since the founding of Federal Signal Corporation in 1901, the firm has consistently ranked within the top U.S. firms that specialize in public safety and security. With a mission to serve, listen, create, and deliver advanced security and well-being solutions that save lives, the firm continues to grow with offices in emerging markets such as South America, China, Hong Kong, Spain, Middle East, and Turkey.

Federal Signal Corporation's corporate headquarters is located in Oak Brook, IL and the Safety and

Security Systems Group is headquartered in University Park, IL and is the world's largest facility dedicated to the design and manufacture of public warning and safety, signaling, and communication products.

Federal Signal Corporation's Safety and Security Systems Group operates under a rigorous certified quality management system designed to meet the requirements of ISO 9001:2008. This system demonstrates our ability to consistently provide products that meet customer and applicable regulatory agency requirements aimed toward enhancing customer satisfaction through effective application. Our customer's appreciate the extra steps we take toward reliability and satisfaction through our various forms of continuous process improvements, assurance of conformity, and certifications.

#### ALERTING & NOTIFICATION SYSTEMS GROUP

Federal Signal's Alerting & Notification Systems division is one of the top leaders in engineering mass notification solutions for communities and facilities around the world. Our Federal Signal offers the widest range of Electronic and Electro-Mechanical Sirens available. Advanced motor design and cutting edge amplifier and acoustic driver technology, provide the highest level of reliability and quality available today.

#### PRODUCTS:

Command & Control  
- SS2000+ DTMF Siren  
Encoder/Decoder  
- UV UltraVoice Electronic Siren Controller  
- UVIC UltraVoice Indoor Controller  
- DCFCTBD Two-Way Digital Controller with Batteries  
- FC One-Way Siren Controller  
- FCTBD Two-Way Siren Controller  
- UVRI UltraVoice Remote Interface  
- LMR/Trunking/TETRA Communications

#### Outdoor Sirens & Speakers

- Electronic Sirens  
- Modulator II  
- DSA  
- Electro-Mechanical Sirens  
- 2001-130  
- 508  
- Eclipse-8  
- Model 2

Software  
 - SFCD Federal Commander®  
 Digital System  
 - SE3000  
 - SmartMsg  
 - Integrated Public Alert and  
 Warning System (IPAWS) Interface  
 - First Responder Communication

Indoor  
 - Informer-IP Wall Mount  
 - Informer-IP  
 - Informer Radio Wall Mount  
 - Radio Informer  
 - UVIC UltraVoice Indoor Controller  
 - UVRI UltraVoice Remote Interface  
 - UVLOC UltraVoice Local  
 Operating Console

6	Primary Contact Name	Primary Contact Name	Chris Lopez
7	Primary Contact Title	Primary Contact Title	Regional Sales Manager
8	Primary Contact Email	Primary Contact Email	clopez@federalsignal.com
9	Primary Contact Phone	Enter 10 digit phone number. (No dashes or extensions)	7085343400
10	Primary Contact Fax	Enter 10 digit phone number. (No dashes or extensions)	7085344874
11	Primary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions)	8055095094
12	Secondary Contact Name	Secondary Contact Name	Thomas Ringsrud
13	Secondary Contact Title	Secondary Contact Title	Director, Business Development
14	Secondary Contact Email	Secondary Contact Email	7085873184
15	Secondary Contact Phone	Enter 10 digit phone number. (No dashes or extensions)	7082036020
16	Secondary Contact Fax	Enter 10 digit phone number. (No dashes or extensions)	7085344874
17	Secondary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions)	7082036020
18	Admin Fee Contact Name	Admin Fee Contact Name. This person is responsible for paying the admin fee to TIPS.	Gina Erickson
19	Admin Fee Contact Email	Admin Fee Contact Email	gmerickson@fedsig.com
20	Admin Fee Contact Phone	Enter 10 digit phone number. (No dashes or extensions)	7085344740
21	Purchase Order Contact Name	Purchase Order Contact Name. This person is responsible for receiving Purchase Orders from TIPS.	Jackalynn Ricchio
22	Purchase Order Contact Email	Purchase Order Contact Email	jricchio@federalsignal.com
23	Purchase Order Contact Phone	Enter 10 digit phone number. (No dashes or extensions)	7085873045
24	Company Website	Company Website (Format - www.company.com)	www.federalsignal.com
25	Federal ID Number:	Federal ID Number also known as the Employer Identification Number. (Format - 12-3456789)	36-1063330
26	Primary Address	Primary Address	2645 Federal Signal Drive
27	Primary Address City	Primary Address City	University Park
28	Primary Address State	Primary Address State (2 Digit Abbreviation)	Illinois



29 Primary Address Zip

Primary Address Zip

60484

30 Search Words:

Please list search words to be posted in the TIPS database about your company that TIPS website users might search. Words may be product names, manufacturers, or other words associated with the category of award. YOU MAY NOT LIST NON-CATEGORY ITEMS. (Limit 500 words) (Format: product, paper, construction, manufacturer name, etc.)

Mass Notification, Mass Notification Communication, Mass Notification Services, Emergency Mass Notification, Alerting System, Campus Alerting, Student Alerting, Mass Notification System, Enterprise Emergency Notification System, Emergency Notification, Emergency Alert, Interoperable Communication, Reverse 911, Emergency Management, Campus Warning, Enterprise Warning, Mobile Warning, Emergency Mobile Warning System, Alerting, Community Alert, MNS, ECS, Emergency Communication System, Emergency Warning, Mass Messaging, Emergency Messaging, Mass Dialing System, Campus Dialing System, Incident Notification, Incident Management, Event Communication, Campus-wide, Campus-wide Communication, District-wide, District-wide Communication, County-wide, County-wide Communication, County-wide Mass Notification, County-wide Alerting System, County Mass Notification Alert System, Giant Voice System, Indoor Warning, Outdoor Warning, Indoor and Outdoor, Mass Notification Warning System, Wireless Mass Notification, In-Building Mass Notification, Public Alert, Public Alerting, Public Mass Warning, Mass Notification & Emergency Communication, Critical Warning, Critical Alerting, Critical Communication, Critical Alerting, Tornado Warning, Event Communication, K-12 Alerting, K-12 Alert, K-12 Notification, Wide Area Alerting, Integrated Mass Notification Solution, Total Solutions, Siren, Command, Control, Outdoor, Indoor, County, School, District, Access, Security, Giant, Voice, System, 911, Emergency, City, County, State, Network, Surveillance, Hospital, Healthcare, Campus, District, Warning, Weather, Alert, Public, Community, School-wide, Wide, Signal, Safety, Facility, Facilities, Solution, Lockdown, Interoperability, Incident, Mobile, Alerting, Smart, Threat, Social Media, Sensor, IPAWS, Siren, Speaker, Sirens, Speaker, Controller, Directional, Omni-directional, Rotating, Mechanical, Electronic, Two Way, One Way, Two-Way, One-Way, Digital, Computer, Wall, Mount, Radio, Remote, Console, Camera,

Surveillance, Mobile, Fixed, Pole, Poles, Municipal, Statewide, State-wide, Grant, Port, Fire Station, Military, Nuclear, Homeland, Enterprise, Consultant, Consulting, Professional, Services, Technician, Technical, Tech, Service, Repair, Wireless, Telephone, Access Control, Landline, High, High-Powered, FEMA, Mass, Personal, Alert, array, audible, visual, software, alarm, module, voltage, communication.

31	Yes - No	Do you wish to be eligible to participate in a TIPS contract in which a TIPS member utilizes federal funds on contracts exceeding \$100,000? (Non-Construction) (If YES, vendor should download the Federal Regulations for Contracts document from the Attachments section, fill out the form and submit the document in the "Response Attachments" FEDERAL FUNDS section.) (Vendor must also download the Suspension or Debarment Certificate document from the Attachments section, fill out the form and submit the document in the "Response Attachments" SUSPENSION OR DEBARMENT section.)	Yes
32	Yes - No	Certification of Residency (Required by the State of Texas) Company submitting bid is a Texas resident bidder?	No
33	Company Residence (City)	Vendor's principal place of business is in the city of?	University Park
34	Company Residence (State)	Vendor's principal place of business is in the state of?	IL
35	Felony Conviction Notice:	(Required by the State of Texas) My firm is, as outlined on PAGE 5 in the Instructions to Bidders document: (Questions 36 - 37)	(No Response Required)
36	Yes - No	A publicly held corporation; therefore, this reporting requirement is not applicable?	Yes
37	Yes - No	Is owned or operated by individual(s) who has/have been convicted of a felony? If answer is YES, a detailed explanation of the name(s) and conviction(s) must be uploaded to the "Response Attachments" FELONY CONVICTION section.	No
38	Pricing Information:	Pricing information section. (Questions 39 - 42)	(No Response Required)
39	Yes - No	In addition to the typical unit pricing furnished herein, the Vendor agrees to furnish all current and future products at prices that are proportionate to Dealer Pricing. If answer is NO, include a statement detailing how pricing for TIPS participants would be calculated in the PRICING document that is uploaded to the "Response Attachments" PRICING section.	Yes
40	Yes - No	Pricing submitted includes the TIPS administration fee?	Yes
41	Yes - No	Vendor agrees to remit to TIPS the required administration fee?	Yes
42	Yes - No	Additional discounts to TIPS members for bulk quantities or scope of work?	No
43	Start Time	Average start time after receipt of customer order is ____ working days?	30

- 44 Years Experience Company years experience in this category? 115
- 45 Resellers: Does the vendor have resellers that it will name under this contract? (If applicable, vendor should download the Reseller/Dealers spreadsheet from the Attachments section, fill out the form and submit the document in the "Response Attachments" RESELLERS section. Yes
- 46 Prices are guaranteed for? (\_\_\_ Month(s), \_\_\_ Year(s), or Term of Contract) (Standard 5 Months term is "Term of Contract")

---

Line Items

---

Response Total: \$0.00

---

# CONTRACT Signature Form

The undersigned hereby proposes and agrees to furnish goods and/or services in compliance with the terms, specifications and conditions at the prices quoted unless noted in writing. The undersigned further certifies that he or she is an authorized agent of the company and has authority to negotiate and contract for the company named below.

Company Name: Federal Signal Corporation

Mailing Address: 2645 Federal Signal Drive

City: University Park

State: IL

Zip: 60484

Telephone Number: (708) 534-3400

Fax Number: (708) 534-4874

Email Address: tringsrud@federalsignal.com

Authorized Signature: 

Printed Name: Thomas Ringsrud

Position: Director, Business Development

This contract is for a total TERM of one year with the option of two additional years. Vendors shall honor the participation fee for any sales made based on the TIPS contract. Failure to pay the fee will be grounds for termination of contract and will affect the award of future contracts.

Blunde McNaught 2/25/16  
TIPS Authorized Signature Date

David Wayne Fitts 2/25/16  
Approved by Region VIII ESC Date

<b>References</b>
-------------------

**\*\* Must have at least 3 References. References must be School, City, County, University, State Agency or Other Government.**

Organization	City	State	Contact Name	Contact Phone
Comanche Peak Nuclear Power Plant	Glen Rose	Texas	Ray Fishencord	(817) 578-0989
City of Irving	Irving	Texas	Jason Carriere	(972) 721-2182
City of Dallas	Dallas	Texas	Joe Ellis	(214) 670-4341
City of Amarillo	Amarillo	Texas	Kevin Starbuck	(806) 378-3022
University of Texas at Austin	Austin	Texas	David Cronk	(512) 232-2757
City of Chicago, IL OEMC - NotifyChicago	Chicago	Illinois	Zachary Williams	(312) 746-9202
City of Chillicothe	Chillicothe	Missouri	Fire Chief Darrell Wright	(660) 646-2139
Boone County	Columbia	Missouri	Josh Creamer	(573) 447-5000
City of Grand Island	Grand Island	Nebraska	Darrin Lewis	(308) 233-3225
City of Lincoln	Lincoln	Nebraska	James Davidsaver	(402) 441-7441
City of Artesia	Artesia	New Mexico	Fire Chief J.D. Hummingbird	(575) 746-5051
New Mexico State University	Las Cruces	New Mexico	Michelle Corella	(575) 646-8058
City of Denver	Denver	Colorado	Matt Mueller	(720) 865-7641
Puget Sound Energy	Bellevue	Washington	Jiri Sykora	(206) 04-5500
Washington State Military Department	Spokane Valley	Washington	Dave Nelson	(253) 512-7075
Douglas County	Lawrence	Kansas	Teri Smith	(785) 838-2460
City of St. Paul	St. Paul	Minnesota	Rick Larkin	(651) 266-6490
City of Maple Grove	Maple Grove	Minnesota	Kurt Kramer	(763) 494-6304
City of Grand Forks	Grand Forks	North Dakota	Becky Ault	(701) 787-8042
City of Eau Claire	Eau Claire	Wisconsin	Bob Boecher	(715) 839-4937
Village of Wheeling	Wheeling	Illinois	Keith MacIsaac	(847) 459-2662
City of Joliet	Joliet	Illinois	Greg Sebben	(815) 791-7869
City of Crystal Lake	Crystal Lake	Illinois	Brian Karr	(815) 356-3793
Ventura Community College District	Ventura	California	Mark Smith	(805) 207-1687
Evergreen State University	Olympia	Washington	Rob Rensel	(360) 867-6050
Joint Base Pearl Harbor-Hickam	Pearl Harbor	Hawaii	Daniel Dubois	(808) 489-3509
Fort Bliss U.S. Army Post	Fort Bliss	Texas	Charles Aponte	(915) 568-3114

# total solutions.

## Alerting and Notification Systems

Total solutions in:

Command and Control

Mass Notification

Indoor Warning

Outdoor Warning



**FEDERAL SIGNAL**  
Safety and Security Systems

*Protecting people and our planet*

# Federal Signal at a glance

**For more than 100 years, we have listened to our customers and imagined new ways to help meet evolving demands for comprehensive safety and security.**

## **You are never out of sight or sound of Federal Signal**

We bring together the best products and technologies to support safety and security in more than 100 countries. Working alongside our customers, helps us to solve some of their toughest problems and provide a solution that meets their needs. Our goal is to offer a broad range of experience and solutions to help customers think through and implement intelligent systems in safety, security and communications.

## **Total solutions to serve and protect**

Federal Signal offers community leaders a portfolio of network systems to protect people, property and the environment — every day. Our total solutions include:

- **Campus Alerting**
- **Cloud-based Citizen Alerting and Notification**
- **Community and County-wide Outdoor Sirens**
- **Military Giant Voice Notification Systems**
- **Nuclear Power Plant Warning Systems**
- **Industrial Plant-wide Alerting, Notification and Evacuation Systems**





# Federal Signal Commander System

Federal Signal's command and control software provides the ability to initiate an alert and notify personnel from a single point of activation. Through our comprehensive suite of integrated software applications, your agency can achieve complete communication interoperability.

Federal Signal's Commander Assist is a simple step by step alert application. An unlimited number of configurations allow simple implementation of your planned alerts.

Delivering communication solutions to meet your every need is our goal. As communication experts, we can design, deploy and manage your wired or wireless communication system.

## Control Systems



**Commander System**

- Ability to activate outdoor alerting systems, indoor speakers, strobes, Informers and personal devices
- Status monitoring and outdoor siren
- Activate individual devices, a zone of devices, or an all-call of the entire system
- Ability to schedule events



**Commander Assist**

- Simple build-per-event messages
- Activate sirens, strobes, radio systems
- Touch screen Interface
- Deploys, Tone, Voice or Text Messages
- Flexible design and implementation of preprogrammed events

## Communication



**SS2000+ Controller**

- Control console for notification activation
- Can be used to activate preprogrammed notifications
- Desk or rack mount
- Simple/Easy-to-use

## Radio Messaging

Federal Signal offers two unique and critical applications to enhance your communications systems. Radio messaging provides first responders and public safety officials the ability to receive messages on their Land Mobile Radio (LMR) systems; additionally, it allows dispatch personnel to bridge a LMR communications across multiple radio systems.

- Push messaging to land mobile radio
- State-of-the-art radio interoperability
- Bridges radio systems
- Ideal for 911 centers and organizations who utilize radios for day-to-day operations

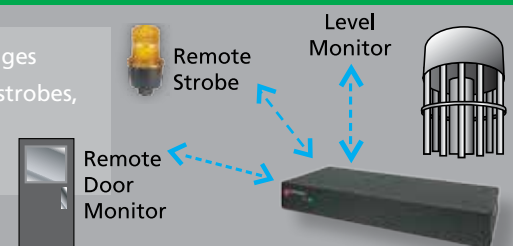


**Radio Messaging**

## Sensor Interface Unit

Federal Signal can integrate with legacy infrastructure to monitor, activate and control.

- Up to 16 sense points to detect status changes
- Four output relays to control doors, locks, strobes, sirens, evacuation systems
- Desk, wall or rack mount



## Desktop Alerting

Federal Signal's desktop alerting pushes notifications to the desktop and provides confirmation of delivery and acknowledgment from the recipient.

- Pop-ups on desktops with rich two-way functionality



# Outdoor Warning Solutions — Mechanical Sirens

## Electro-mechanical

Federal Signal's electro-mechanical sirens are the highest quality and most reliable outdoor warning sirens. The 2001-130 / Equinox, 508-128, Eclipse8 and Model 2 sirens are readily deployed in municipalities, county and industrial facilities to provide outdoor public warning in the event of tornadoes, severe weather, hurricanes, fires and other emergency events. Federal Signal's series of electro-mechanical sirens cover a wide range of sound output from 102dBc up to 130dBc with distinct steady, wail and fast wail tones.

The siren controllers are UL Listed, aluminum NEMA 4X cabinets offering one-way activation or two-way status monitoring. The controllers support a wide range of communication methods such as landline, conventional RF, trunked RF, IP (wireless broadband, Ethernet, fiber optic, cellular) and satellite.

## Wide-Area Mechanical Sirens



**2001-130 / Equinox**

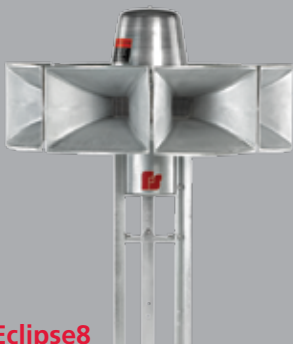


**508-128**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Midrange frequency up to 130dBc</li> <li>• Directional, rotating siren for maximum coverage</li> <li>• AC operation, DC operation and AC operation with battery back-up</li> <li>• Three distinct warning signals</li> <li>• Equinox model is a lower frequency siren</li> </ul> | <ul style="list-style-type: none"> <li>• Low frequency up to 128dBc</li> <li>• Directional, rotating siren for maximum coverage</li> <li>• Three distinct warning signals</li> <li>• AC operation, DC operation and AC operation with battery back-up</li> <li>• Maintenance-free sealed bearing motors</li> <li>• Weather-resistant coating</li> </ul> |
|---|---|

## Wide-Area Mechanical Sirens

## Controllers



**Eclipse8**



**Model 2**



**DCFCTB Controller**



**FC Controller**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 115dBc @ 100ft/30m sound output</li> <li>• 360° omni-directional siren</li> <li>• AC operation, DC operation and AC operation with battery back-up</li> <li>• Three distinct warning signals</li> <li>• 100% aluminum</li> </ul> | <ul style="list-style-type: none"> <li>• 102dBc @ 100ft/30m sound output</li> <li>• 360° omni-directional siren</li> <li>• 120 or 240 VAC</li> <li>• Three distinct warning signals</li> </ul> |
|---|--|

- Two-way siren controller for 48VDC sirens
- Two-way radio control and status monitoring
- Simultaneous single-tone, two-tone sequential, and DTMF, EAS, and POCSAG decoding
- Push buttons for local activation
- UL Listed for general signaling

- Radio receiver/decoder/timer with relay outputs
- Includes (4) individually programmable output relays
- Decoding capabilities: digital FSK, DTMF, 2-tone sequential, EAS, POCSAG
- Ideal for local and one-way control of 2001-130 Equinox, Eclipse 8, Model 2 sirens and firehouse alerting applications

# Outdoor Warning Solutions — Giant Voice

## Electronic

Federal Signal's electronic speaker arrays provide the highest level of clarity and voice intelligibility available in high-powered outdoor notification. The Modulator and Directional Speaker Array (DSA) help public safety officials address "all hazard" events that occur on a daily basis and provide them with the capability to initiate immediate instructions to the public.

The UltraVoice Controller is the most advanced remote terminal unit (RTU) available and is designed for reliability and redundancy. The UV400 amplifier offers increased levels of redundancy through its modular design. The efficient Class D amplifier offers increased power output and extended life.

The controllers support a wide range of communication methods such as landline, conventional RF, trunked RF, IP (wireless broadband, Ethernet, fiber optic, cellular) and satellite.

## Tone and Voice Speaker Arrays



**Modulator**

- 360° omni-directional speaker array
- Hyperbolic horn design provides superior voice clarity and intelligibility
- Sound output ranges from 106dBc - 124dBc @ 100ft/30m
- Driver access panels for easy maintenance



**Directional Speaker Array**

- System design flexibility—90° to 360° coverage
- Sound output ranges from 111dBc - 121dBc @ 100ft/30m
- Installation flexibility with building and pole mounting options

## Controller



**UltraVoice®**

- UL and CE listed controller
- Standard aluminum NEMA 4X rated, optional stainless steel
- Modular component design for redundancy
- "Hot-swappable" control card and amplifiers
- Class D pulse width modulated amplifiers provide high clarity and intelligible voice reproduction

# Indoor Warning Solutions

Federal Signal's indoor notification solutions provide real-time information to building occupants and personnel during emergency situations. The UltraVoice Indoor Controller (UVIC) is a pre-integrated control unit that offers a local-user interface and the ability to be a part of a networked system that connects multiple indoor facilities back to a central control point. The UVIC drives indoor speakers and strobes to provide visual and audible alerts. With the integration of message boards, emergency instructions can be quickly communicated. With the use of our UltraVoice Audio Relay Module the UVIC controller can interface to existing public address systems and fire panels.

The UltraVoice Remote Interface (UVRI) controller is a remote terminal unit that provides remote and local control of an individual building's fire alarm, mass notification panel, or public address system. The UVRI creates a communication link between isolated building systems and our Federal Commander Control System.

## Controller & Speakers/Strobes



**UltraVoice® Indoor Controller**

- UL Listed device
- Ventless batteries
- 800-watt amplification
- Remote activation
- Local Operating Console
- Interface to in-building MNS or PA Systems
- On-board digital voice
- Interface with scrolling message display



**Speakers/Strobes  
Emergency Notification**

- Campus, Military and Indoor Mass Notification
- Ceiling or Wall Mounted Speaker
- UL listed
- Amber or Clear lens
- Plain housing or with 'Alert' text for additional notification
- Synchronization of strobe lights

## Indoor Alerting Device



**Informer**

- Programmable alarm sounds
- Clear voice messaging
- Output relays can control auxiliary equipment such as overhead doors, lighting systems and gas line shut offs

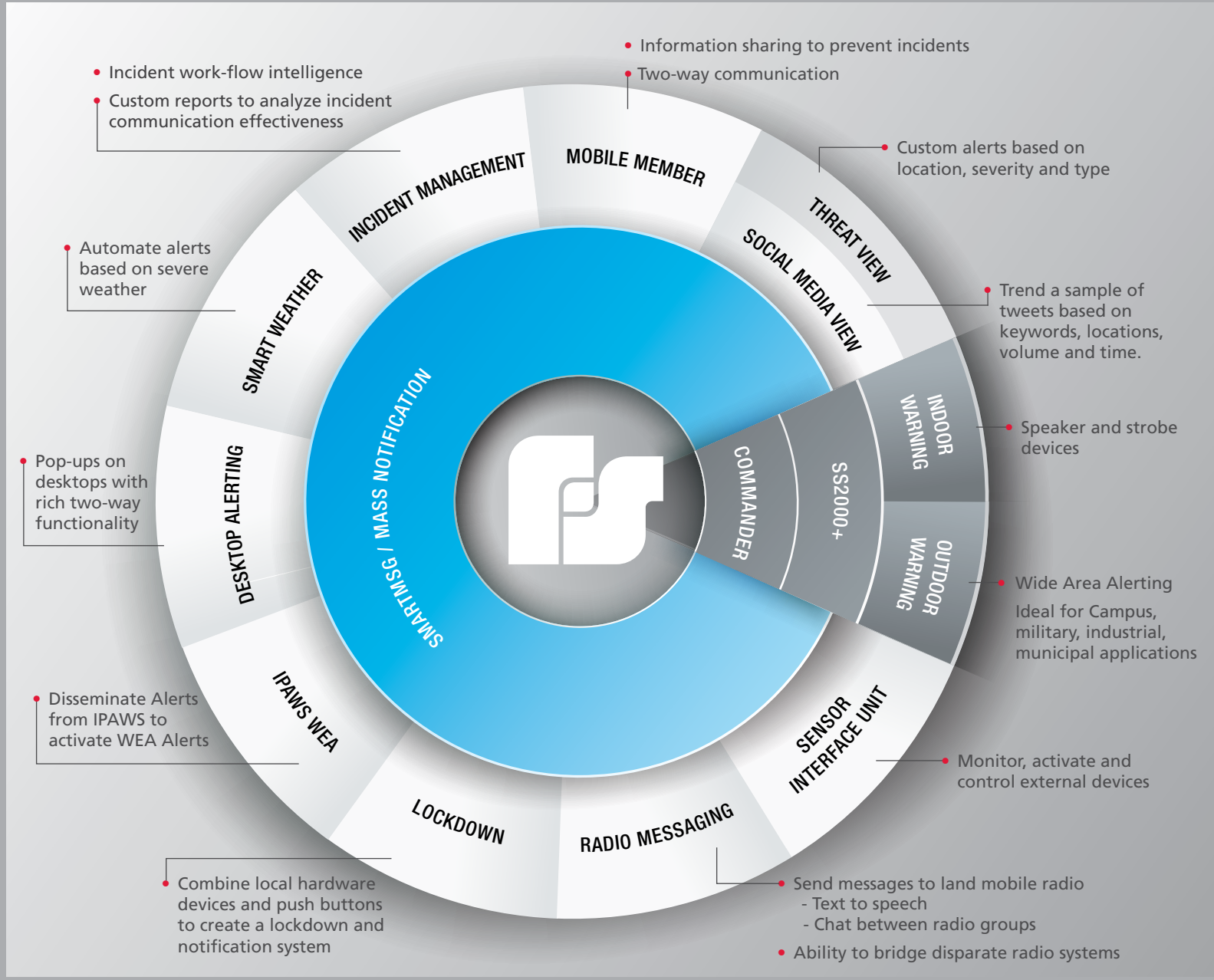
### **Informer IP**

- Two-way alerting
- Two-way intercom
- POE or AC powered
- Wired Ethernet or WiFi
- Internet of Things enabled

# Cloud Based Mass Notification

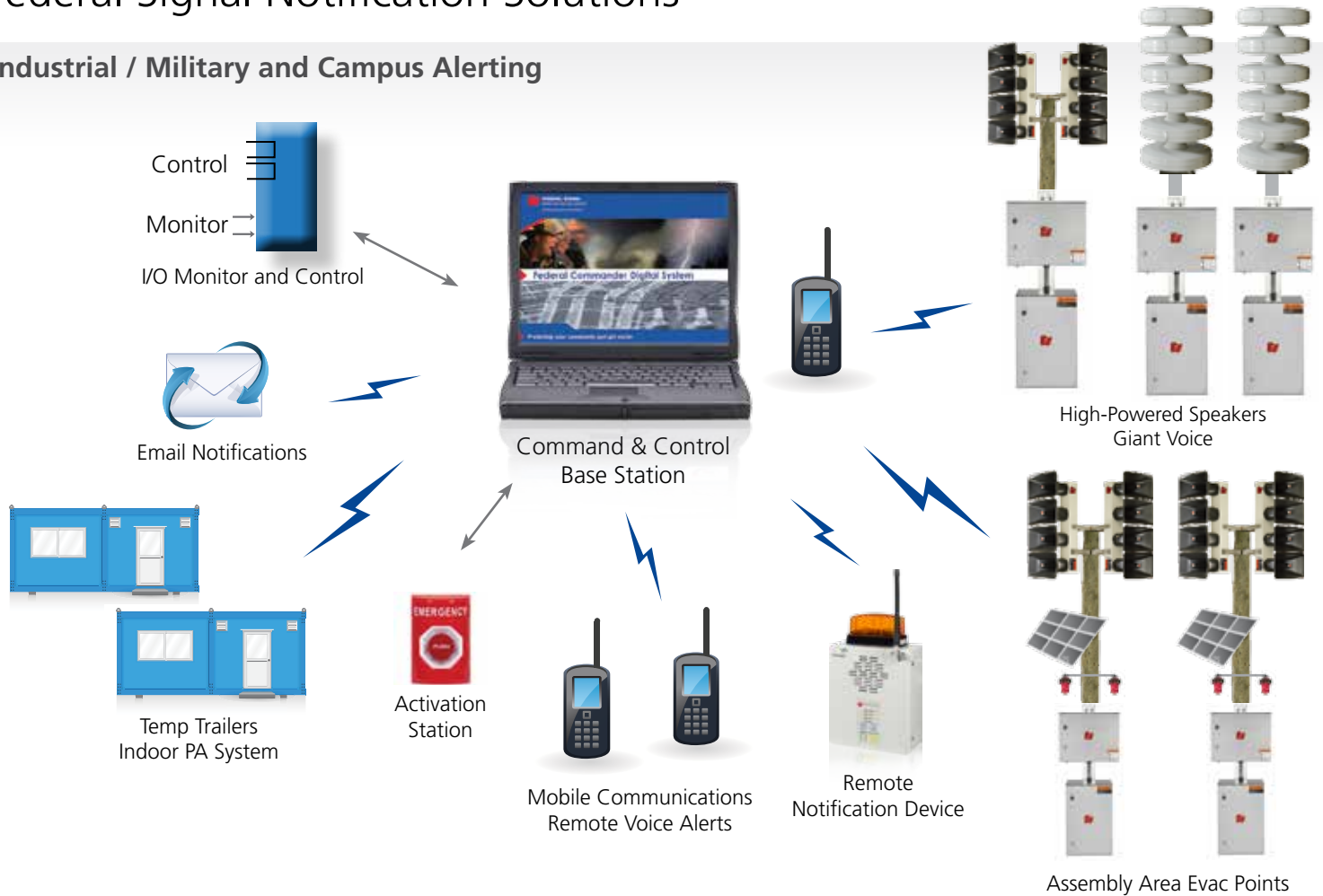
Federal Signal's SmartMsg Mass Notification System *powered by Everbridge* provides cloud based MNS alerts. SmartMsg is a simple and intuitive alerting system to inform citizens, employees, students and emergency management personnel.

- Industry's first web-based solution that integrates with a full range of notification devices
- One page notification process and one click sending
- Mobile management app with integrated GIS targeting
- Dedicated mobile recipient application with two-way communication



# Federal Signal Notification Solutions

## Industrial / Military and Campus Alerting



## Municipal / Community Alerting



# Professional Services

We offer a team of experts so you can focus on the mission. We focus on the technologies to make your mission a success.



## Consulting

- ✓ Assessment
- ✓ Recommended Best Practices
- ✓ Business Continuity Planning



## Design

- ✓ Solution Development
- ✓ Disparate System Integration
- ✓ Certified Engineers on Staff



## Deployment

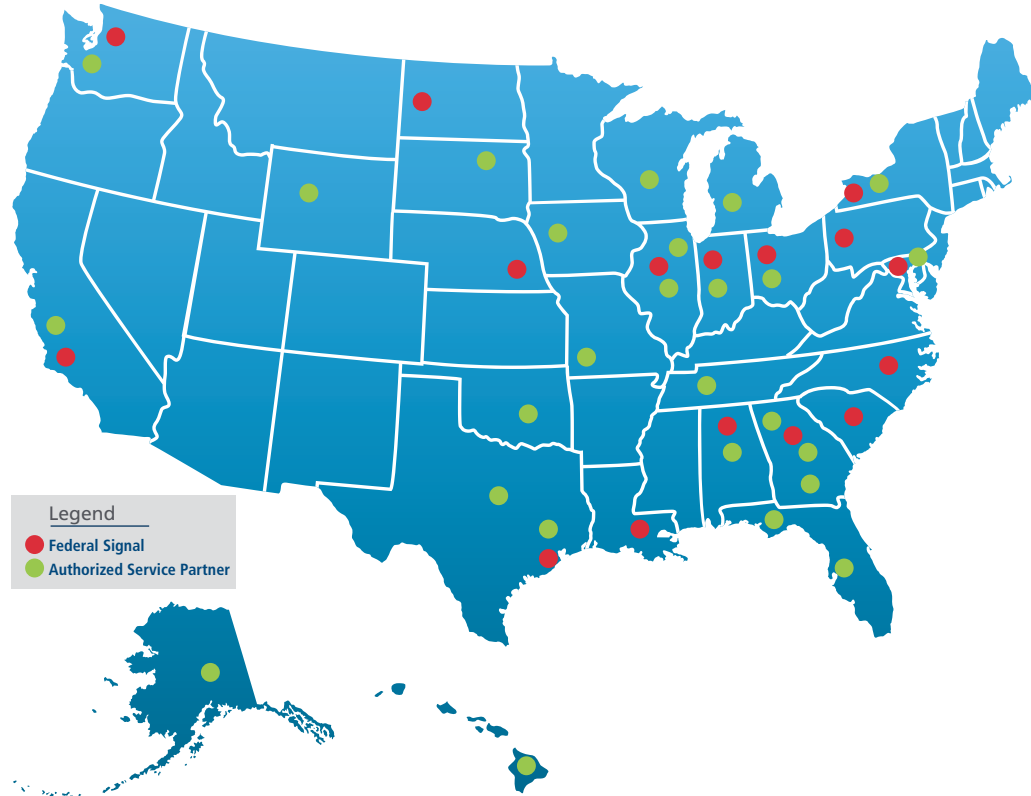
- ✓ Physical Installation
- ✓ Project Management
- ✓ Service Partner Network
- ✓ Commissioning
- ✓ End-user Training



## Managed Services

- ✓ 24/7 Support
- ✓ Network Monitoring
- ✓ Preventive Maintenance and Inspection
- ✓ Tailored Support Agreement
- ✓ Software as a Service
- ✓ Infrastructure as a Service

## Our presence Federal Signal Offices and Authorized Service Partners



### International presence:

Australia  
+61 (0) 431 427 333

Canada  
613-849-4582

China  
+86 1380 2942 575

Finland  
+358 (0) 207927111

Spain  
+34 93 741 7900

U.A.E.  
+971 4 3914353

U.K.  
+44 (0) 1625 666 603

**SCHOOL & CAMPUS**

## **Critical Communications**

**Instant Alerting to Authorities,  
Two-way Communication and Alerting,  
and Mass Notification**

# total solutions.



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

# Federal Signal

Federal Signal's Safety and Security Systems has long been acknowledged as a source for both leadership and innovation. A collaborative approach to product development with customers and partners has resulted in an expansive product line that spotlights device interoperability, increased reliability and performance, and extended service life. Look to Federal Signal products for the state-of-the-art features and quality you can depend on today as well as tomorrow.

From alerting and notification systems, to first-responder systems, to in-car video and data systems and much, much more, Federal Signal Safety and Security Systems is working hard to make the world and your community safer and more secure every day.



# School & Campus Critical Communication Solutions

Long recognized as a leader in alerting and notification solutions worldwide, Federal Signal can partner with educational administrators and public officials to develop effective strategies and solutions to improve communications and response.

School officials simply cannot afford to limit their concern to education alone. Student safety and security continues to be a top priority. Choosing an effective and reliable campus mass notification and security solution is critical to the safety of children and faculty members.

When an emergency occurs, how quickly are you able to communicate with students, first responders, staff and visitors?

Federal Signal offers a variety of campus communication solutions that can be readily customized to your organization's specific safety and security needs. These solutions focus on providing fast and reliable communications in order to notify the school, campus, security personnel, administrators, local law enforcement and other first responders of a significant emergency or dangerous situation on an instant's notice.

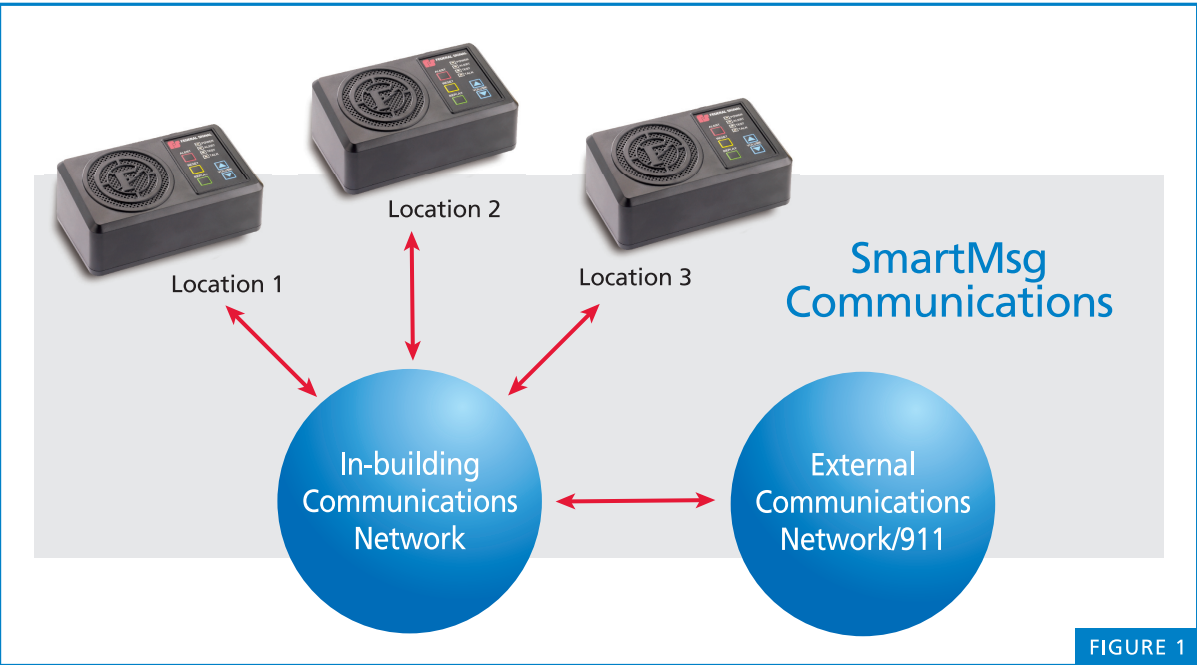
Following are a few examples of Federal Signal solutions which can be readily adapted to meet a school district's particular needs. We have developed a series of "tiered" solutions in order to simplify initial implementation. The initial deployment consists of networking a "reception" area with Informers to a 911 center. This approach enables the system to accommodate additional equipment, as needed, such as "panic" buttons throughout a building. Additional Informers can be installed in classrooms to facilitate broadcasting alerts through the device or to a PA system. Optional key fobs can be used as portable in-building alerting devices.



# A Networked Solution

## InformerAlert - Tier 1

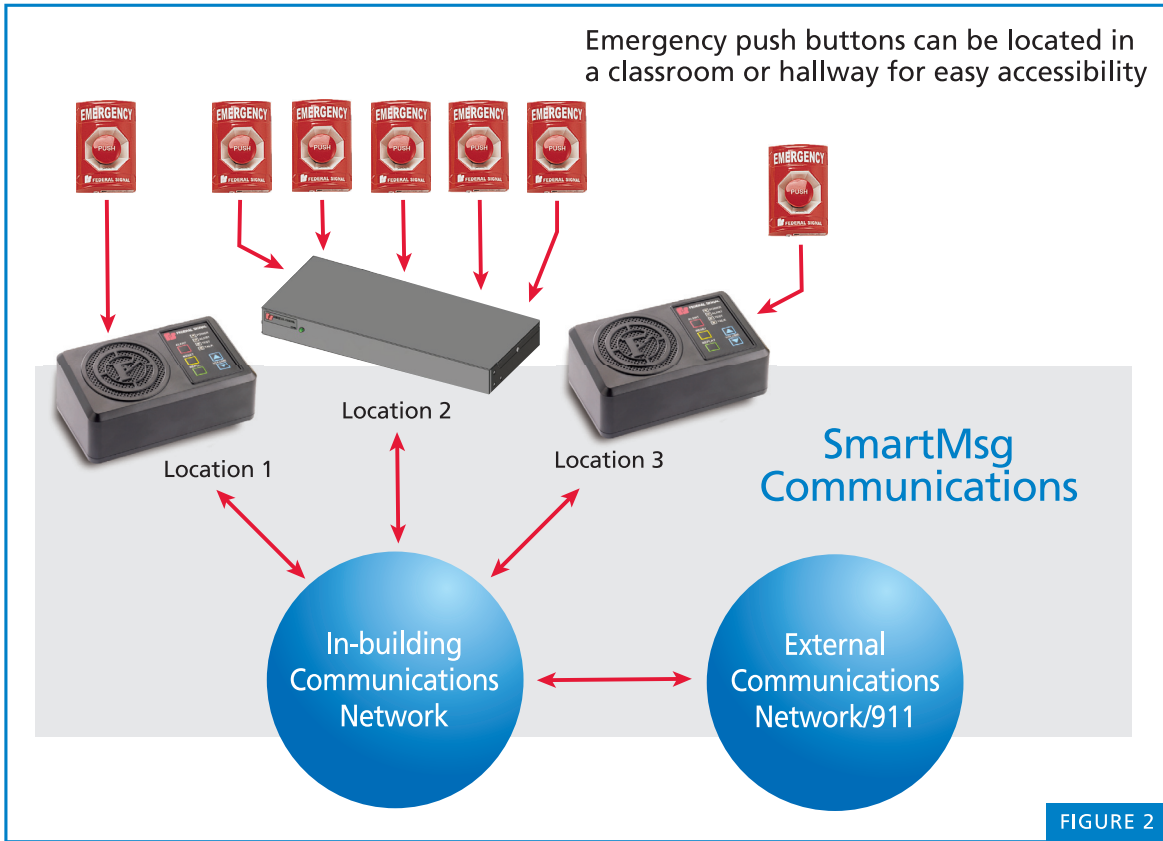
Federal Signal's InformerAlert solution consists of Informer-IPs, a two-way indoor alerting device, deployed throughout targeted locations, which in the case of schools and public facilities is typically at the front office or the reception area. The Informer-IP is networked to the SmartMsg servers operating at the 911 center or hosted remotely. (See Figure 1)



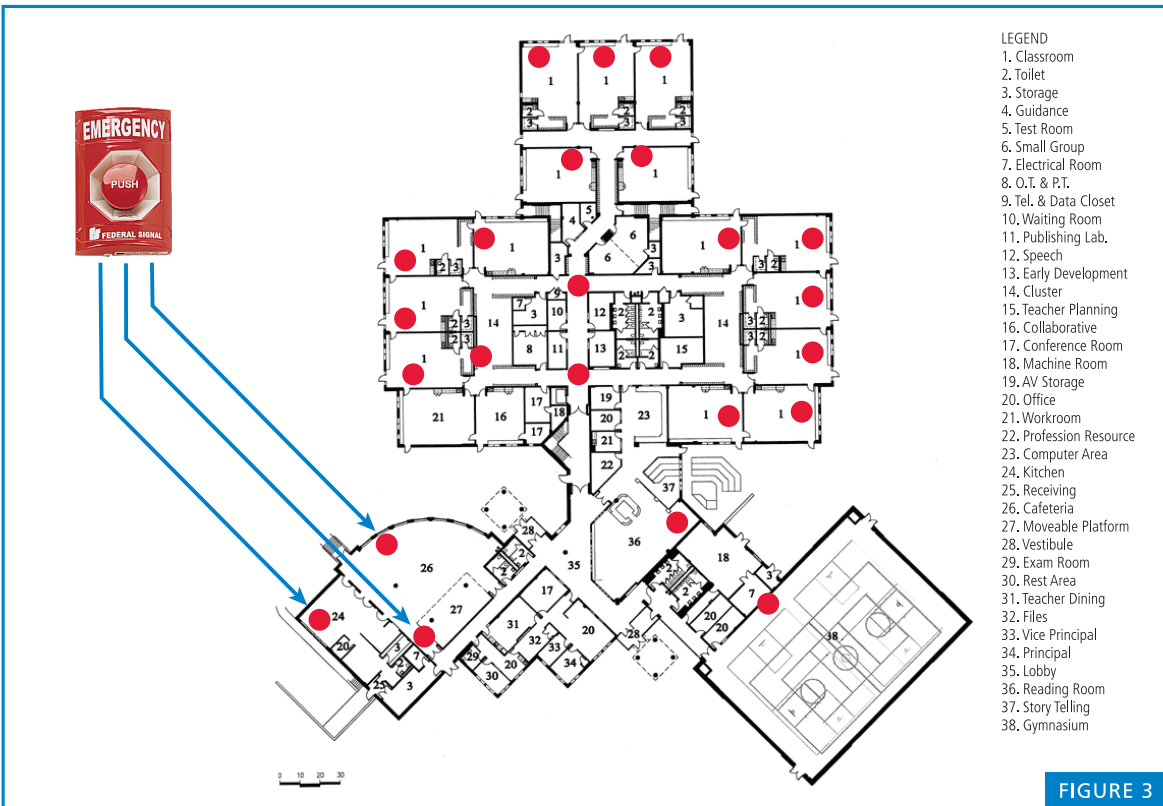
The Informer-IP has an “alert” button on each console. When pressed, the “alert” button will immediately initiate a pop-up window/tone alert at the 911 center. The 911 center can then initiate immediate communications with the remote Informer-IP device. A listen/push-to-talk capability is available between the 911 center and the remote Informer-IP. The 911 center can also initiate real-time public address, pre-programmed messages or tones to broadcast over the Informer-IP’s built-in loudspeaker.

## InformerAlert - Tier 2

This solution provides additional accessories to increase overall communications coverage. Increasing the number of “panic” buttons provides a simple and effective way to broaden communications coverage. While the Informer-IP is typically equipped with its own device for activation, these additional “panic” buttons can be distributed throughout the facility to further expand communications access. (See Figure 2)



The additional “panic” buttons can be identified in the mapping software contained within Federal Signal’s SmartMsg system. This allows security personnel to instantly pinpoint the location of an “activated” button on a map to speed emergency response. (See Figure 3)



## InformerAlert - Tier 3

To further enhance the effectiveness of the Informer-IP solution, devices can be deployed right in the classroom. The ability to support classroom-level, single-button alert activation with direct communication to a 911 center serves as a powerful tool in the event of an emergency. (See Figure 4)

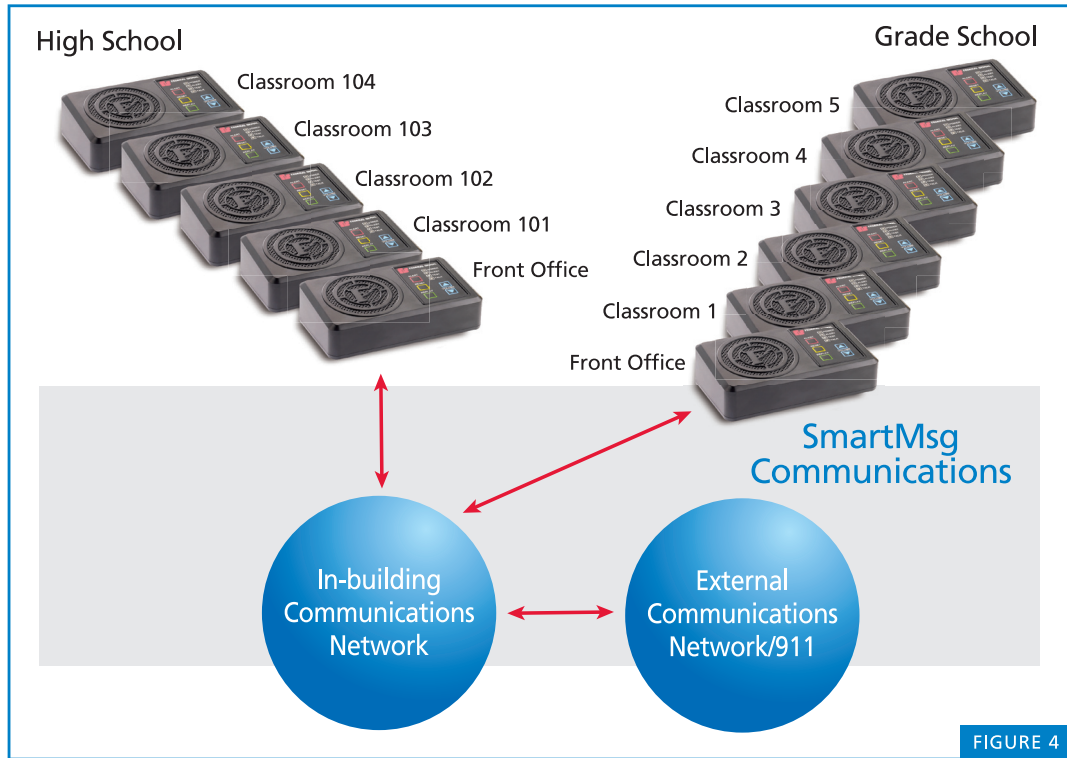


FIGURE 4

This solution also provides the previously cited software mapping capability designed to aid security personnel in identifying the location of activated buttons and speeding emergency response. (See Figure 5)

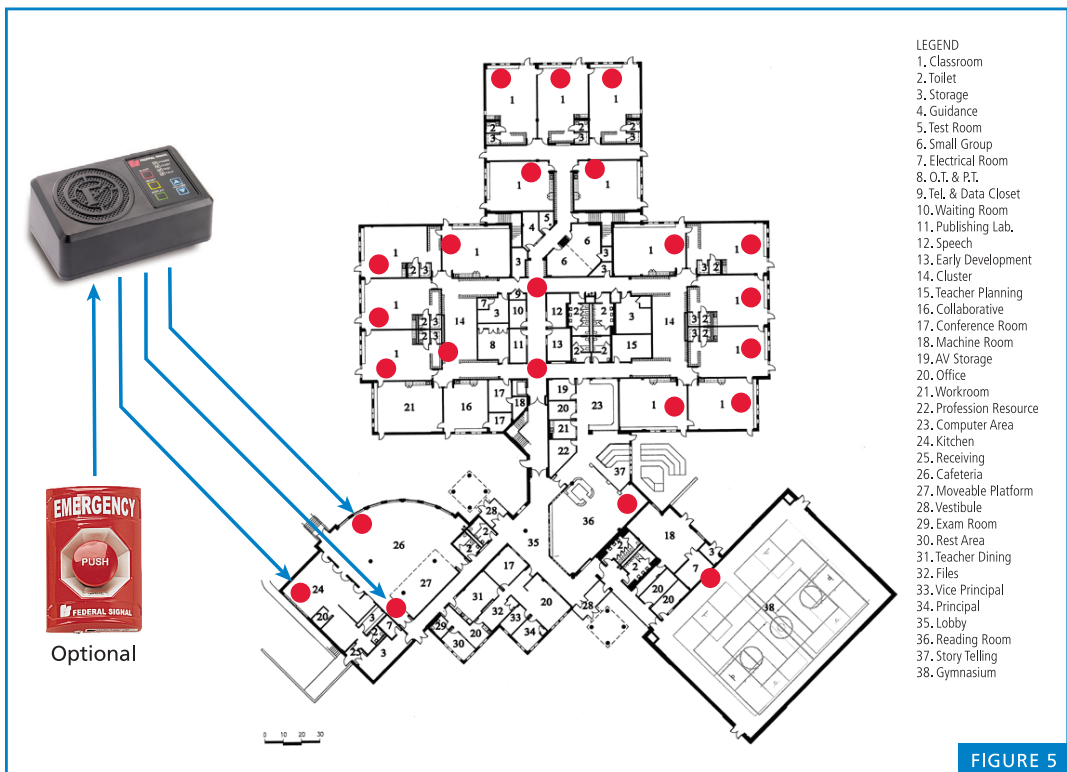


FIGURE 5

# InformerAlert Optional Equipment

The radio interface feature is a unique capability of the Federal Signal alerting system. Federal Signal's SmartMsg application allows alerts to be broadcasted directly to radio systems, including text-to-speech messages on a radio system.

The SmartMsg system can be configured to send alerts to phones, text messages, email's and computer pop-ups.

Key fobs represent another advantage available with any Informer-IP solution; adding four additional alert capabilities. To illustrate, this capability could be used to alert the school nurse or maintenance personnel of a problem. A classroom emergency could be preset to alert a 911 center. Key fobs can be keyed to a single or a group of Informer-IPs. An InformerAlert solution can be programmed to meet a school's specific needs based on a risk analysis.

Another capability that can be incorporated into any Informer-IP based solution is digital signage. This feature enables alerts to be displayed on message boards that can be distributed throughout a facility or across a school campus.

Federal Signal is also able to provide a complete line of strobes and speakers to supplement mass notification and alerting of students, staff and others.

## A Non-networked Solution

Another approach to alerting First Responders is the non-networked, straight forward "panic" button-to-radio broadcast. Designed to accommodate situations where networking is not available, this approach automatically broadcasts an alert message directly over an acceptable radio channel such as the police frequency.

### Radio-Alert

Developed for non-networked applications, Radio Alert enables alerts to be directly broadcast to radio via Federal Signal's UVRI pre-recorded digital message system. The system is equipped with a radio and antenna plus full battery back-up. Simply activating a "panic" button automatically initiates pre-recorded messages that are broadcast through the radio system. (See Figure 6)



FIGURE 6

This solution can be deployed in any number of locations. These automatically transmitted broadcast alert messages can be repeated with pre-determined time delays between re-broadcast.

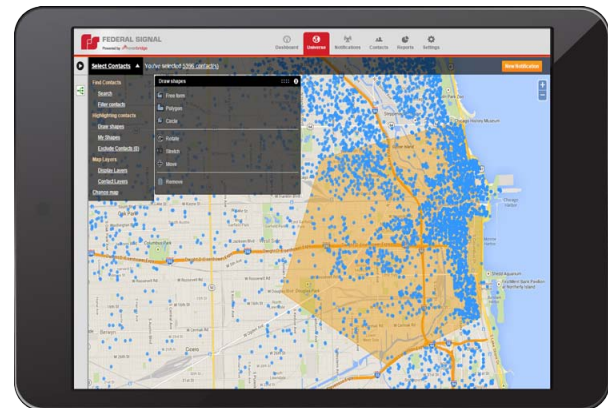
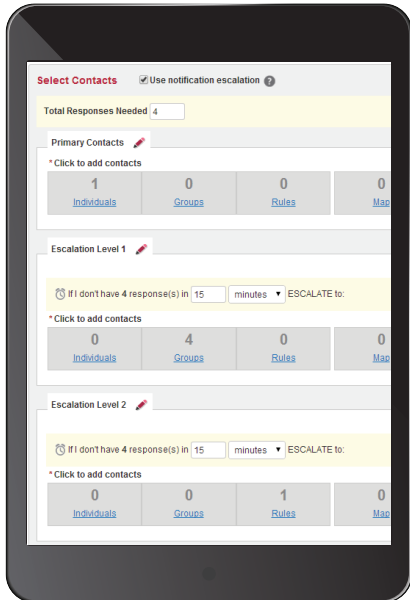
- Industry's first web-based solution that integrates with a full range of notification devices
- One page notification process and one click sending
- Mobile management app with integrated GIS targeting
- Dedicated mobile recipient application with two-way communication



### Overview

SmartMsg Mass Notification enables organizations to send notifications via 25+ contact paths to individuals or groups using lists, locations, and visual intelligence. This comprehensive notification solution keeps your contacts informed before, during and after all events, operational incidents, and emergencies. SmartMsg Mass Notification features robust analytics, GIS capabilities, and flexible contact management.

Customers with Federal Signal's outdoor and indoor warning systems, along with the addition of SmartMsg Mass Notification, can leverage a single unified platform to send notifications.



## Anticipate, Target, Communicate

- Target the individual and not the device for intelligent, personalized message delivery.
- Escalate notifications to ensure that the next person or group is notified, if a first person or group doesn't respond.
- Build events for one-click sending during incidents. Set up notification templates with predetermined contact lists and predefined messages for faster communications in a crisis.
- Resend notifications to recipients or send follow up messages to all or a sub-set of recipients for tracking within the same incident or event.
- Configure rules based on your infrastructure's capacity with flexible call-throttling capabilities.
- Segregate your management and operating structure into multiple notification environments. Separating by geography, department/function, country or other criteria provides maximum security and flexibility.
- Automatically publish notifications to public websites, intranets, internal systems, and social media.

## Geo-Intelligent Tools

- Send messages to recipients in a specific geographic region (zip code, street address, radius from a specific point, or other attribute) with GIS-based message targeting.
- Specify targeted contact locations with user-friendly drawing tools, or even upload shape files from other applications for on-the-fly notifications.
- Search for, view the locations of, and send alerts to specific contact types, including functional needs populations, fire districts, alert type subscribers, and more.
- Load, Geo-code, and manage contact data within a single interface and in real-time.
- Exclude specific contacts from targeted messaging, based on defined attributes, including location.



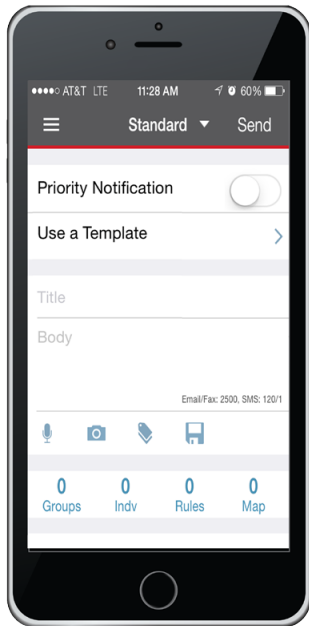
### Simple, Intuitive User Experience

- Manage settings, limits, and defaults through a comprehensive and user-friendly administrator interface.
- Define role-based access controls for managing separate user and contact data.
- Easily notify contacts and/or manage contact data across multiple distributed data stores and groups from a single access point.
- Set opt-in portals to either “publicly available” or “private” (invitation only). Allow contacts to opt-in, update, and manage their accounts — including contact information, locations they care about, alert preferences and more thorough branded, customizable web-based portals.
- Support accessibility guidelines — public and private portals are Section 508 compliant and include field-level view/read/write access controls.

### Report, Analyze, Understand

- Measure your communication program’s effectiveness and continually improve its efficiency with robust analytics and reporting capabilities.
- Launch frequently requested reports on-the-fly with Quick Reports.
- Provide summary and detailed notification analysis (DNA) reports for better after-action reviews, continuous improvements, and regulatory compliance.





### Advanced Mobility and Connectivity

- Bring the power and security of the full desktop application to mobile devices everywhere, even under adverse network conditions.
- Support multi-platform smart phones and tablets, including Apple® iOS and Android™ devices.
- Send notifications with a multiple-choice polling question with up to nine different responses.

### Global Ready

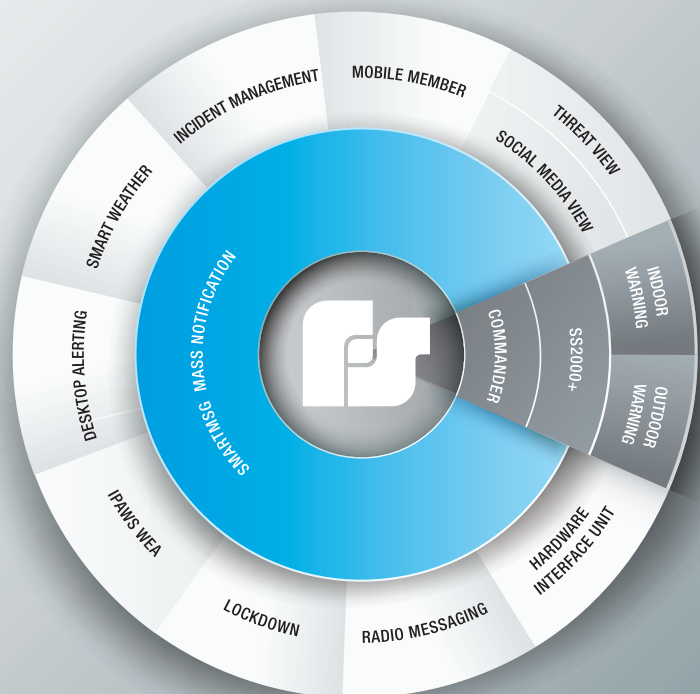
- Personalize your reach to a global audience by broadcasting messages globally, in any language.
- Truly localize communication with multilingual text-to-speech support.
- Increase delivery success for notifications with local and regional routing.
- Send notifications with customized caller ID's, keeping the number local and familiar to the call recipient.
- Store your data locally and securely in your country of preference and comply with the regulatory requirements of that locale.
- Access, notify, and manage contacts stored in multiple, distributed data stores through a unified access point, making the location of data seamless to the user.
- Meet the highest standards for regulatory requirements and handling of personally identifiable information worldwide, if needed, including encryption of data at rest.

Federal Signal provides a unified Notification Platform that fully integrates software and hardware.

Customers can benefit by purchasing other products from our Notification Platform shown here.

#### About the Company:

Federal Signal Corporation (NYSE: FSS) provides products and services to protect people and our planet. Founded in 1901, Federal Signal is a leading global designer and manufacturer of products and innovative solutions.





HEALTHCARE

## Critical Communications

Integrated Notification,  
Interoperability, and Regional  
Disaster Preparedness  
and Response Tools

# total solutions.



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

# See the difference in our network

Simplifying communications and streamlining the protection of people, property and the environment —

## Emergency Preparedness/Regional Response

## Day to Day Operations



Federal Signal is a market leader in providing integrated Alerting and Notification and Unified Interoperable Communication solutions for health care providers and public safety agencies at the local, state and federal government levels around the world. Federal Signal's goal falls nothing short of providing hospitals with solutions to help drive operational efficiencies, lower costs, and raise employee safety and security levels to a point that will affect an overall improvement in patient care.

- every day.

Fire/Hazmat

Management

The need to upgrade emergency preparedness capabilities throughout the health care industry has never been more critical. In response, Federal Signal has launched an innovative solution that addresses the growing requirements of emergency preparedness and communications head on. By focusing on improving communications continuity facility wide, we have created a system that not only elevates the efficiency of emergency response capabilities but also enhances day to day hospital operations. Put simply: Federal Signal's "seamless" communications and notification system enables health care managers to respond to mass casualty emergency disasters in a way that is faster, more effective and better coordinated than ever before.

## Improving day to day operations



Instant Notification and seamless communications with on-site and off-site personnel... staffing and scheduling, issuing codes, interfacing with clinical and non-clinical systems to automatically trigger notifications... Federal Signal's SmartMsg urgent notification and interoperable communications system allows hospitals to address these daily requirements by channeling all communications through a single interface point.

SmartMsg supports the ability to notify multiple people at multiple locations across multiple modes of communication – everything from cell phones and text messaging, to PCs, radios and more. Just as important, SmartMsg is equally adept at tracking incoming information on personnel status; coordinating resources; establishing asset availability; and evaluating current facility management capabilities.

On any given day, hospital officials must respond to ever-changing staffing and asset requirements. The SmartMsg notification and communications tool seamlessly streamlines the process by enhancing staff communications, while also improving both operational efficiencies and asset management across all facets of day to day operations.

## Emergency Preparedness/Regional Response



A health care network's ability to support regional response to a mass casualty incident and maintain operational continuity in the event of a large-scale disaster is uniquely dependent on its capabilities in the areas of mass notification and interoperable communications.

Whether a region is struck with a natural disaster, chemical spill or terrorist event, the ability to alert, notify and facilitate interoperable communications with first responder agencies can become a matter of life and death. The SmartMsg urgent notification and interoperable communication system along with ExpressMsg, RadioLink and

ScenarioMgr applications provide hospital networks with the comprehensive communications strategy necessary to meet the emergency response and preparedness challenges of the future.



# Federal Signal at a glance

**For more than 100 years, we have listened to our customers and imagined new ways to help meet their evolving demands for safety and security.**

## **You are never out of sight or sound of Federal Signal**

We bring together the best products and technologies to support local, state and national government agencies, and healthcare providers in more than 100 countries. Our robust and reliable integrated systems are in use every day in cities such as Amsterdam, Barcelona, Beijing, Boston, Chicago, Cincinnati, Istanbul, Kansas City, Lima, London, Los Angeles, Mexico City, Miami, Moscow, New York City, Paris, Rome and Vancouver.

## **Total solutions to serve and protect**

Federal Signal offers community leaders a portfolio of networked systems to protect people, property and the environment – every day. Our total solutions include:

- Automated license plate recognition
- Campus alerting
- Citizen alerting
- Community-wide alerting
- Congestion charging
- Interoperable communications
- In-vehicle video and data
- Journey time measurement
- Lights, sirens and speakers
- Mobile data systems
- Personnel alerting
- Public safety software
- Toll enforcement and road-user charging
- Towing and recovery
- Audible and visual warning
- Back-up camera
- Debt collection



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

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**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

**MILITARY**

Total solutions in  
Outdoor Warning, Indoor Notification  
and Personal Alerting

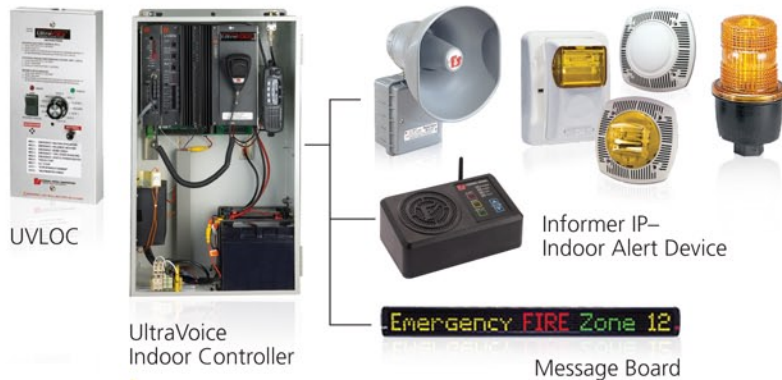
**total solutions.**  
Alerting and Mass Notification Systems

# Outdoor, Indoor and Personal Alerting Mass Notification–Federal Signal Delivers Total System Solutions

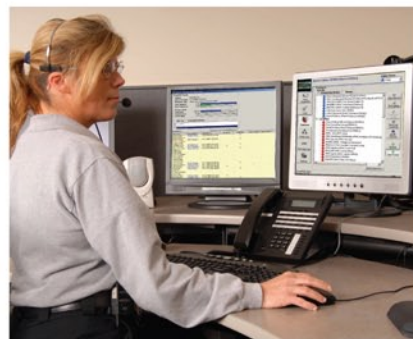
Federal Signal is a leader in design, engineering and manufacturing of emergency warning and personal alert systems for U.S. military installations. Our extensive product line covers the entire spectrum of warning and mass notification solutions. This includes wide area speaker arrays for emergency outdoor alerting...a full complement of audible and visual indoor warning systems... interoperable software necessary to support rapidly evolving developments in personal notification technology...and the software and controller modules that put fully integrated base-wide and multi-base command and control of alerting and notification right at your fingertips.

Backing up the Federal Signal product line is a full scope of technical and customer support services. From turnkey installation, project management and system integration services right through to on-site field maintenance and periodic system upgrades, Federal Signal offers the expertise and resources required to make your emergency warning and notification system an unparalleled success.

## Indoor Notification Solutions



## Outdoor Notification Solutions



## Federal Commander Digital System™ Makes Command and Control a Matter of Point and Click

The Federal Commander Digital System software takes advantage of reliable digital modem technology to automate and monitor every aspect of outdoor and indoor warning and personal notification. Beyond the productive combination of scalability, security and ease of use, the Federal Commander offers a host innovative features, including:

- Point-and-click activation for synchronized outdoor, indoor and personal alerting
- XML API interface for simplified integration of existing notification systems promotes optimum scalability
- DIACAP accreditation
- Fully supervised two-way status monitoring via RF or ISDN
- RF, landline, IP, wireless broadband 128-bit encryption
- Multi-level password protection
- Over-the-air programming of remote terminal units
- Detailed status reporting generated by predefined sorting criteria



## Outdoor Warning and Notification

**UltraVoice™ Controller** combines micro-processor based system control with high-efficiency amplifiers to optimize the tone and voice capabilities of electronic sirens. Capable of generating and amplifying single- or dual-tones while providing seven pre-set tones, this state-of-the-art siren controller features efficient pulse-width modulated amplifiers to promote high-quality live or recorded voice reproduction and optimum operational flexibility.

- Records and stores live "on-the-fly" voice messages (up to eight minutes)
- Activates sirens independently, in groups or entire system
- Programmable for automated status reports
- Advanced control monitoring unit automatically limits maximum output power to extend driver life

**Modulator Series Electronic Sirens** produce high-intensity warning signals over a large area. High-efficiency design supports increased sound output while making moderate demands on battery power.

- True omni-directional sound dispersion
- Available in models rated from 106 to 125 db
- Four 100-watt drivers per module promote added redundancy

**Directional Speaker Array Electronic Sirens** are comprised of one, two, three or four vertical support structures with two to six re-entrant speaker array projectors mounted on each vertical stack.

- Exceptional dispersion of audio signal for greater efficiency
- Minimizes unwanted sound bleed-off to neighboring communities





## Indoor Mass Warning and Notification

Public address loudspeakers, wall and ceiling mounted speaker and strobe light combinations, message centers – Federal Signal addresses the entire range of audible/visual indoor warning and mass notification and then ties it all together with UltraVoice for two-way control and status monitoring.

- **Audible and visual warning and notification capabilities**
- **Local operating console option permits remote activation of tone alerts, pre-recorded digital voice messages and record/play live voice messages**
- **Scrolling message board option**
- **Up to 800-watts of speaker amplification power**
- **Interfaces readily with existing voice-capable systems**

## Personal Alerting

When fully integrated with the Federal Commander Digital System, Federal Signal's Codespear software platform provides the required functionality for personnel notification, first responder alert notification/response, and full-scale interoperable communications. One click of a preconfigured "hotkey" on the Commander activation screen enables operators to notify personnel via outdoor sirens; the in-building notification appliance circuit; as well as virtually any personal communication devices including cell and IP phones, landlines, two-way mobile radios, text messaging, email and network pop-ups.

- **Predefined scenario management capability**
- **Genuine interoperability among disparate communication devices**
- **Text-to-speech conversion**
- **Notification with integrated links and attachments**



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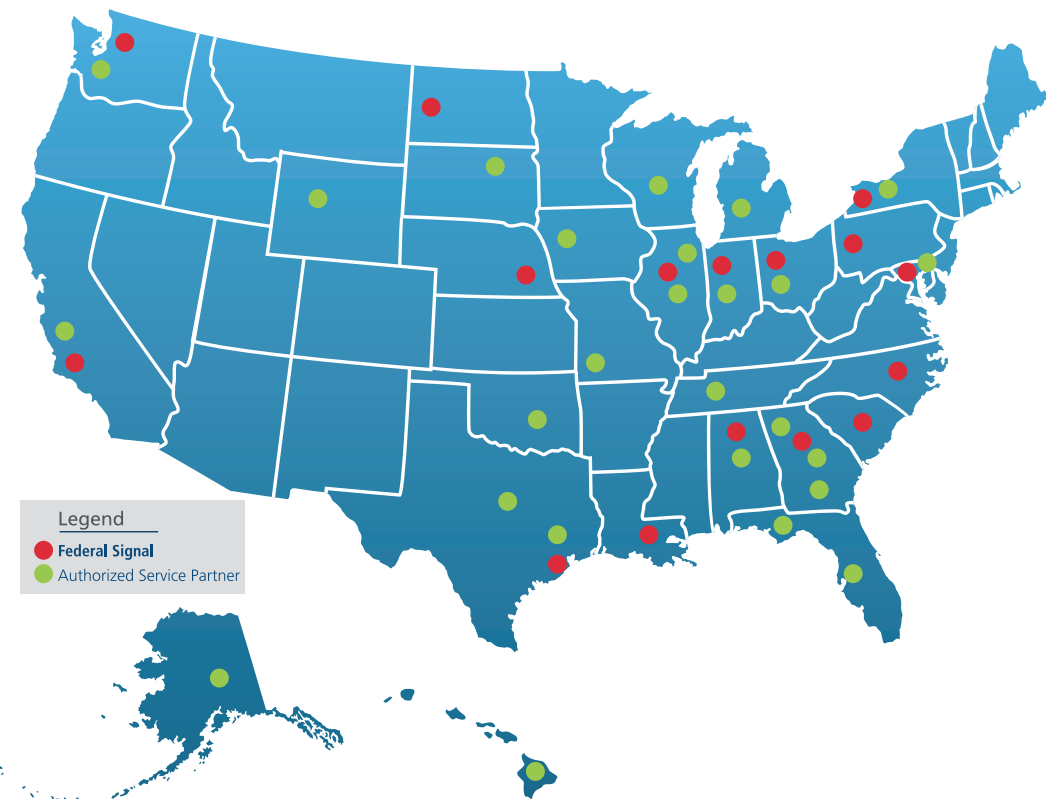
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## Professional Services

We offer a team of experts so you can focus on the mission. We focus on the technologies to make your mission a success.

Consulting	Design	Deployment	Managed Services
✓ Assessment	✓ Solution Development	✓ Physical Installation	✓ 24/7 Support
✓ Recommended Best Practices	✓ Disparate System Integration	✓ Project Management	✓ Network Monitoring
✓ Business Continuity Planning	✓ Certified Engineers on Staff	✓ Service Partner Network	✓ Preventive Maintenance and Inspection
		✓ Commissioning	✓ Tailored Support Agreement
		✓ End-user Training	✓ Software as a Service
			✓ Infrastructure as a Service

## Our presence Federal Signal Offices and Authorized Service Partners



Legend  
 ● Federal Signal  
 ● Authorized Service Partner

### International presence:

- Australia  
+61 (0) 431 427 333
- Canada  
613-849-4582
- China  
+86 1380 2942 575
- Finland  
+358 (0) 207927111
- Spain  
+34 93 741 7900
- U.A.E.  
+971 4 3914353
- U.K.  
+44 (0) 1625 666 603

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 800-548-7229 708.534.4756  
 alertnotification.net  
 presalesupport-ENT@federalsignal.com

## Security Systems



Access Control



Video Surveillance



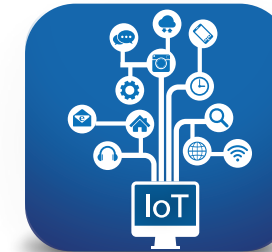
Sensors



Wireless Networks



Automatic License Plate Recognition



IoT



Cameras

SYSTEMS INTEGRATION  
 IN BUILDING A  
 SMARTER AND SAFER  
 ENVIRONMENT



With 50+ wireless technologies, 100+ video products and countless IT infrastructure solutions to choose from, it is important to have a trusted technology partner. Federal Signal provides a broad spectrum of services that improve operational efficiency while maximizing return on client's investments.

Why choose Federal Signal?

- ✓ Rapid Implementation
- ✓ Wireless Network Expertise
- ✓ Integration Capabilities

#### Video Surveillance

- Video Management
- Video Analytics
- Storage Area Network

#### Access Control

- Door Controllers
- Readers
- Integration with Video Management Systems

#### CBRNE Detection

- Chemical Warfare Agents
- Toxic Industrial Chemicals
- Integration with Security and Notification Systems

#### In-Car

- In-Car Video
- Wearable Camera

#### Automatic License Plate Recognition

- Parking Enforcement
- Law Enforcement
- Big Data Analytics

#### Wireless Broadband

- Licensed Microwave Backhaul
- Mesh, PTP and PMP
- WLAN for Ubiquitous Coverage

#### Internet of Things (IoT) Applications

- Smart Lighting System
- Emergency Call Box

#### Cameras

- PTZ/Fixed
- Thermal

Do you want to know more about an Alert & Notification System that can be integrated with your Security System?  
Visit [www.alertnotification.net](http://www.alertnotification.net).



# Service Partner Program



# Federal Signal Service Partner Program

Federal Signal's Service Partner Program is designed to support the goals of service providers seeking to fully capitalize on Federal Signal's leadership in the notification and security system market. We view our partners as an invaluable extension of the Federal Signal team who play a vital role in servicing our customers. Developed to provide Federal Signal Service Partners with a distinct competitive advantage, this unique program offers benefits ranging from access to new business opportunities and early product information, to advanced technical training through the Federal Signal Training Academy, plus much more. With an accredited certification, Federal Signal Service Partners will stand out among the most skilled service providers in the industry.

## Service Provider Levels

Three levels of partnership for **Notification Systems** and one level for **Security Systems** have been designed to recognize and reward our partner's expertise and loyalty towards Federal Signal products and solutions.

Participants may be eligible for the Notification System and Security System portfolio if pre-qualifications are met.

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For further information, email us at [servicepartner@federalsignal.com](mailto:servicepartner@federalsignal.com)



## Notification SYSTEMS



### Plus

SERVICE PARTNER PROGRAM

Plus level program acknowledges service partners who are actively working with Federal Signal solutions. Admission to this level is dependent on completion of the required training curriculum; successfully completing the assigned job with the approval of Federal Signal authorized personnel; and demonstrating the ability to meet minimum implementation requirements.



### Silver

SERVICE PARTNER PROGRAM

Silver level program rewards partners who proactively promote and support Federal Signal's outdoor and indoor notification system as the preferred platform for these applications. In addition to demonstrating a loyalty to the Federal Signal brand, these certified service providers must possess an in-depth understanding of the Alerting and Notification Systems (ANS) product portfolio in tandem with proven experience in the implementation and support of these products.



### Gold

SERVICE PARTNER PROGRAM

The status and privileges of the Gold level program will be awarded to partners who have successfully maintained their status at the Silver level. This entails exhibiting exceptional service performance which will be measured by timely response, support and training goals. Gold partners are actively engaged in enhancing Federal Signal services, and have exhibited the ability to meet the most challenging end-user requirements.

## Security SYSTEMS



### Elite

SERVICE PARTNER PROGRAM

Federal Signal's diverse portfolio in the security market ranges from video surveillance applications to CBRNE detections. In order to meet customer needs, our Elite partners will assist in expanding our reach beyond our field offices. Elite service partner status is awarded to companies who meet our stringent qualification requirements and complement our skill sets.

Example of Security Systems are Video Management, Cameras, Automatic License Plate Recognition, Wireless Broadband Networks, Access Control, etc.

# Federal Signal Service Partner Program

BENEFITS	PLUS	SILVER	GOLD	ELITE
Prioritized technical support*	Yes	Yes	Yes	Yes
Quarterly factory training discount	Yes	Yes—additional 20%	Yes –additional 40%	N/A
Service Parts discount	No	Yes—additional 10%	Yes –additional 20%	N/A
Qualified leads for Services	No	Yes	Yes	Yes
First preference to quote on installation services	No	No	Yes	Yes

\* to be added in future

REQUIREMENTS	PLUS	SILVER	GOLD	ELITE
Approved SPP application form	Required	Required	Required	Required
Qualified experience	Installed more than 10 Federal Signal's sirens Or approval* from Director of Professional Services	Installed more than 50 Federal Signal's sirens or maintained customer systems that, collectively, comprises of at least 100 Federal Signal manufactured siren controllers Or approval* from Director of Professional Services	Installed more than 200 Federal Signal's sirens or maintained customer systems that, collectively, comprises of at least 400 Federal Signal manufactured siren controllers	Must meet customer requirements. Partners chosen through an interview process.
Provisions for 24x7 support	N/A	Required	Required	Required
Toll-free number	N/A	Required	Required	Required
Coverage [radius from their office location(s)]	N/A	Required	Required	Required

## FEDERAL SIGNAL QUALIFICATION TRAINING

A company must have at least the following number of personnel certified at all times to maintain the company's certification status. Re-certification of individuals is required once every two years.

Associate Training (FSQA)	At least 1 employee	At least 3 employees	At least 7 employees
Professional Training (FSQP)	At least 1 employee	At least 2 employees	At least 5 employees
Installer Training (FSQI)**	At least 2 employees	At least 3 employees	At least 6 employees

\* Requires written approval \*\* FSQI requires hands-on field training and on-site supervision from Federal Signal's Professional Services group

For further information, email us at [servicepartner@federalsignal.com](mailto:servicepartner@federalsignal.com)



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# Federal Signal Training Academy



 **FEDERAL SIGNAL**  
Safety and Security Systems  
*Protecting people and our planet*



# Federal Signal Qualified **Associate**

## **COURSE: FSQA**

This course offers an overview of our alerting and notification products and software. Attendees will gain in depth knowledge of system configuration and operation. This curriculum serves as a hands-on training lab that encompasses a comprehensive summary of Federal Signal equipment functionality.

### **COURSE TOPICS INCLUDE:**

- Company Overview
- Siren Identification and Configuration
- Communication Methods
- Activation/Control Points
- SFCDWARE Commander Training
- Discussing Real World Systems
- SSloader Software
- Basic Diagnostics and Troubleshooting

### **PREREQUISITES:**

- Ability to install software, add and remove programs
- Proficient in Windows Operating system including ability to add/remove software; set up IP address



## Who should attend?

End users with administrative responsibilities for mass notification systems or manufacturer representatives/installers who are new to Federal Signal's Alerting and Notification Product Line.

Course Duration:

**Two-day course**

# Federal Signal Qualified **Professional**

## **COURSE: FSQP**

Course FSQP offers advanced troubleshooting and maintenance training for mass notification systems, additionally it provides an increased understanding of systems design for special applications.

This curriculum serves as a hands-on training lab that encompasses a comprehensive summary of Federal Signal equipment functionality.

### **COURSE TOPICS INCLUDE:**

- System Design
- Advanced SFCDWARE Commander Training
- System Maintenance
- Special Applications
- Acoustic Characteristics (Understanding SPL)
- Prevention Methods
- Troubleshooting: Sirens, Control Points, and Communications
- Advanced Communications
- IP Networks
- Intensive Hands-on Labs
- System Optimization
- Test Equipment
- RF Basics
- Adjusting Rx/Tx Levels
- Flash Firmware



### **PREREQUISITES**

- FSQA is a pre-requisite
- Basic understanding of IP networks including understanding of ICMP and DNS
- Ability to troubleshoot:
  - RS 232 communications, telecom circuits, and mobile radio programming
  - Two-way radio systems, crimp RF cables, and use spectrum analyzer
  - AC and DC circuits; proficient in using multi-meter

Who should attend?

Anyone responsible for maintaining or troubleshooting a system.

Course Duration:

**Three-day course**



Federal Signal offers customized courses for customers looking for an in-depth perspective on our products, services and solutions. Courses are held at our University Park, Illinois location.

For further information, email us at [Training-ANS@federalsignal.com](mailto:Training-ANS@federalsignal.com) or, visit our services/training pages at [www.alertnotification.com](http://www.alertnotification.com)



*Protecting people and our planet*

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Email: [Training-ANS@federalsignal.com](mailto:Training-ANS@federalsignal.com)

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## Limited Warranty

The Alerting and Notification Systems Division of **Federal Signal Corporation (Federal)** warrants each new product to be free from defects in material and workmanship, under normal use and service, for a period of two years on parts replacement and factory-performed labor (one year for Informer, EAS, and Federal software products) from the date of delivery to the first user-purchaser. Federal warrants every 2001, Eclipse and 508 Siren (Top of pole only) to be free from defects in material, per our standard warranty, under normal use and service for a period of five years on parts replacement.

During this warranty period, the obligation of Federal is limited to repairing or replacing, as Federal may elect, any part or parts of such product which after examination by Federal, are determined to be defective in material and/or workmanship.

Federal will provide warranty for any unit which is delivered, transported prepaid, to the Federal factory or designated authorized warranty service center for examination and such examination reveals a defect in material and/or workmanship.

This warranty does not cover travel expenses, the cost of specialized equipment for gaining access to the product, or labor charges for removal and re-installation of the product. The Federal Signal Corporation warranty shall not apply to components or accessories that have a separate warranty by the original manufacturer, such as, but not limited to batteries.

Federal will provide on-site warranty service during the first 60-days after the completion of the installation, when Federal has provided a turn-key installation including optimization and/or commissioning services.

This warranty does not extend to any unit which has been subjected to abuse, misuse, improper installation or which has been inadequately maintained, nor to units which have problems related to service or modification at any facility other than Federal factory or authorized warranty service centers. Moreover, Federal shall have no liability with respect to defects arising in Products through any cause other than ordinary use (such as, for example, accident, fire, lightning, water damage, or other remaining acts of God).

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL FEDERAL BE LIABLE FOR ANY LOSS OF PROFITS OR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY SUCH DEFECT IN MATERIAL WORKMANSHIP.



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Phone: 800.524.3021 Fax: 708.534.4865  
[www.alertnotification.com](http://www.alertnotification.com)



December 3, 2013

**Re: Federal Signal Corporation**

**To Whom It May Concern:**

**Liberty Mutual Insurance Company has had the privilege to provide Performance and Payment Bonds on review of Federal Signal Corporation for the past ten years. Based on our review of Federal Signal Corporation, we can offer Performance and Payment Bonds for a single job in the amount of \$3,000,000.00. We have also extended Federal Signal Corporation total aggregate bonding capacity of \$15,000,000.00.**

**Our investigation of Federal Signal Corporation has been extremely favorable and we are confident that you will find them to be highly qualified and responsive to your needs. We would anticipate no difficulty in being able to respond to any bonding requirements of this project subject to our review and determination that the contract and bond documents are acceptable.**

**Once again, we offer our support in the recommendation of Federal Signal Corporation. If we can be of further assistance, please feel free to contact us at 312 381 1000.**

**Sincerely  
Liberty Mutual Insurance Company**

A handwritten signature in blue ink that reads "Sandra M Nowak".


**Sandra M Nowak  
Attorney-in-Fact**

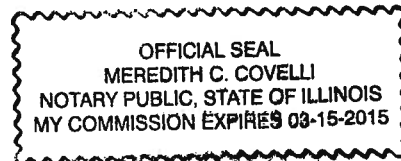
ACKNOWLEDGEMENT BY SURETY

STATE OF ILLINOIS  
COUNTY OF COOK

On this 3<sup>rd</sup> day of December, 2013 before me, Meredith C Covelli, a Notary Public, within and for said County and State, personally appeared Sandra M Nowak to me personally known to be the Attorney-in-Fact of and for Liberty Mutual Insurance Company that she executed the said instrument as the free act and deed of said Company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in the aforesaid County, the day and year in this certificate first above written.

  
\_\_\_\_\_  
Notary Public in the State of Illinois  
County of Cook



**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 5922567

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company  
West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Debra J. Doyle; Diane M. O'Leary; Geoffrey E. Heekin; James B. McTaggart; Jennifer L. Jakaitis; Jessica B. Yates; Judith A. Lucky-Eftimov; Karen L. Daniel; Melissa L. Fortier; Robert E. Duncan; Sandra M. Nowak; Sandra M. Winsted; Susan A. Welsh

all of the city of Chicago, state of IL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 20th day of December, 2012.

American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: *Gregory W. Davenport*  
Gregory W. Davenport, Assistant Secretary

STATE OF WASHINGTON ss  
COUNTY OF KING

On this 20th day of December, 2012, before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.

By: *KD Riley*  
KD Riley, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV - OFFICERS - Section 12. Power of Attorney.** Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII - Execution of Contracts - SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation -** The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization -** By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 3rd day of December, 2013.

By: *David M. Carey*  
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



# MANAGEMENT SYSTEM CERTIFICATE

Certificate No.:  
CERT\_08514-2006-AQ-HOU-ANAB

Initial Certificate Date:  
09 May, 1996

Valid:  
22 December, 2017

This is to certify that the management system of

## **Federal Signal Corporation University Park Facility**

2645 Federal Signal Drive, University Park, IL 60466 USA

has been found to conform to the management system standard:  
**ISO 9001:2008**

This certificate is valid for the following Scope:

**The Design, Manufacture and Marketing of Audible and Visual  
Signalling Products and Systems for use by Industrial and  
Government Customers Worldwide**

Place and date:  
**Katy, Texas 22 December, 2014**



For the issuing office:  
**DNV GL - Business Assurance  
1400 Ravello Drive  
Katy, TX 77449**

A handwritten signature in black ink, appearing to read "John C Stefan".

**John C Stefan**  
Management Representative



**Federal Requirements for Procurement and Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.**

If the TIPS member anticipate possibly using federal funds for procurement under this potential award and is required to obtain the following compliance assurance.

**1. Will you be subcontracting any of your work under this award if you are successful?**

(Check one)

YES or  NO

**2. If yes, do you agree to comply with the following federal requirements? (Check one)**

YES or  NO

2 CFR §200.321 Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.


(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

(b) Affirmative steps must include:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce ; and
- (6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.

Company Name Federal Signal University

Name of authorized representative Thomas Ringsrud

Signature of authorized representative 

Date 01/13/2016

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**SUSPENSION OR DEBARMENT CERTIFICATE**

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**Non-Federal entities are prohibited from contracting with or making sub-awards under covered transactions to parties that are suspended or debarred or whose principals are suspended or debarred. Covered transactions include procurement for goods or services equal to or in excess of \$25,000.00. Contractors receiving individual awards for \$25,000.00 or more and all sub-recipients must certify that the organization and its principals are not suspended or debarred.**

By submitting this offer and signing this certificate, this bidder:

Certifies that no suspension or disbarment is in place, which would preclude receiving a federally funded contract under the EDGAR, §200.212 Suspension and debarment.

**Vendor Name:** Federal Signal Corporation

**Vendor Address:** 2645 Federal Signal Drive, University Park, IL 60484

**Vendor E-mail Address:** tringsrud@federalsignal.com

**Vendor Telephone:** (708) 534-3400

**Authorized Company Official's Name:** Thomas Ringsrud

**Signature of Company Official:** 

**Date:** January 13, 2016

2 CFR PART 200 Contract Provisions

**Required Federal contract provisions of Federal Regulations for Contracts**

The following provisions are required to be in place and agreed if the procurement is funded with federal funds. TIPS or its members are the subgrantee or subrecipient by definition in most cases. Not all provisions herein apply to all contracts. Compliance is required as it applies to the individual purchase contract.

**Appendix II to Part 200**

**Contract Provisions for Non-Federal Entity Contracts Under Federal Awards**

**2 CFR PART 200**

**These contract provisions are incorporated by reference or attachment into all contracts with your company when TIPS or its members purchase is with federal funds if you respond to a TIPS competitive procurement request for proposals or bid..**

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.

**Federal Rule (1) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.**

Notice: Pursuant to Federal Rule (1) above, when federal funds are expended by TIPS or its members, TIPS or its members reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (2) Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000)**

Pursuant to Federal Rule (2) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for cause after giving the vendor an appropriate opportunity and up to 30 days, to cure the causal breach of terms and conditions. TIPS OR ITS MEMBERS reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for convenience with 30 days notice in writing to the awarded vendor. The vendor would be compensated for work performed and goods procured as of the termination date if for convenience of the TIPS OR ITS MEMBERS. Any award under this procurement process is not exclusive and the District reserves the right to purchase goods and services from other vendors when it is in the best interest of the District.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (3) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41 CFR part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”**

## 2 CFR PART 200 Contract Provisions

Pursuant to Federal Rule (3) above, when federal funds are expended by TIPS OR ITS MEMBERS, for all construction contracts awarded by grantees and their contractors or subgrantees, the proposer certifies that during the term of an award, when federal funds are expended, by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with Equal Opportunity Employment laws specifically Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (4) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.**

Pursuant to Federal Rule (4) above, when federal funds are expended by TIPS OR ITS MEMBERS, during the term of an award for all contracts and subgrants for construction or repair, when Federal Funds are expended, by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with all provisions listed or referenced therein.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (5) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.**

Pursuant to Federal Rule (5) above, when federal funds are expended by TIPS OR ITS MEMBERS, the proposer certifies that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process for construction contracts awarded by grantees and subgrantees the proposer agrees to be in compliance with all requirements listed or referenced therein.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (6) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a**

## 2 CFR PART 200 Contract Provisions

**small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.**

Pursuant to Federal Rule (6) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires that the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process the vendor agrees to the terms listed and referenced therein.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (7) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).**

Pursuant to Federal Rule (7) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires that the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process the vendor agrees to the terms listed and referenced therein.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (8) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award \$25,000 or greater (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.**

Pursuant to Federal Rule (8) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor certifies that they are not debarred from receiving a contract from the federal government as provided therein.

Does vendor agree they are not debarred as specified above ? YES TR Initial of Authorized Company Official

**Federal Rule (9) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.**

Pursuant to Federal Rule (9) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that during the term and after the awarded term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor certifies to the terms included or referenced in Federal Rule 9 above.

2 CFR PART 200 Contract Provisions

Does vendor certify to the provisions in Federal Rule (9) above? YES TR Initial of Authorized Company Official

**Federal Rule (10) 2 CFR 200.233 Retention of all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed.**

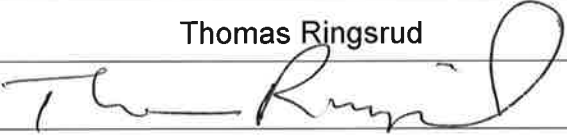
Pursuant to Federal Rule (10) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that the awarded vendor retain all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed.

Does vendor agree? YES TR Initial of Authorized Company Official

**Federal Rule (11) 2 CFR §200.322 Procurement of recovered materials. A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. [78 FR 78608, Dec. 26, 2013, as amended at 79 FR 75885, Dec. 19, 2014]**

Pursuant to Federal Rule (11) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with mandatory standards and policies relating to Procurement of recovered materials which are listed above.

Does vendor agree they will comply? YES TR Initial of Authorized Company Official

Company Name Federal Signal Corporation  
Print name of authorized representative Thomas Ringsrud  
Signature of authorized representative   
Date January 13, 2016

Signature above acknowledges all provisions in this four page document and the vendor/proposer/bidder responses herein to the 11 rules.