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Cooper Notification, backed by $5.1 billion global manufacturer Cooper Industries plc with facilities in 23 countries, provides premier safety and mass notification solutions worldwide through our local dedicated representatives.

www.coopernotification.com

In-Building Mass Notification Systems
Setting the new standard in life safety

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Emergency Communications System

1. Purpose – for the protection of life by indicating the existence of an emergency situation and communicating information necessary to facilitate an appropriate response and action.

2. Communicate information about emergencies including, but not limited to, fire, human-caused events (accidental and intentional), other dangerous situations, accidents, and natural disasters

**Innovative**

When it comes to developing life safety systems, we do more than just comply to new industry codes and requirements, we’re setting the standards in emergency communications.

Cooper Notification, backed by global manufacturer Cooper Industries, provides decades of experience and innovation in the development of high-quality life safety and mass notification products and solutions. Cooper Notification is the industry’s leading developer in advanced technological solutions for the rapidly growing mass notification market, where delivering the right message to the right people at the right time is paramount for responding to threats.

Cooper Notification is the only company to provide you with integrated, multi-layered mass notification solutions, including indoor, outdoor, text, voice and desktop alerting - all developed by a single company. From WAVES Wide-Area Alerting System to SAFEPATH Voice Evacuation System and from Wheelock fire and security notification appliances to RSAN text and voice messaging systems, Cooper Notification can help protect, alert and inform your employees and building occupants.

**Distinctive**

When disaster strikes, whether natural or man-made, you need a Mass Notification System (MNS) you can trust – one that has been tested to the industry’s latest standards. Compliant with Underwriters Laboratories (UL) MNS Standards, Cooper Notification’s In-Building Mass Notification Systems are available today to instantly inform people of exactly what to do and where to go with clear, intelligible and timely communications. When public safety is at risk, why would you rely on anything less?

**Trusted**

As a premier provider to the federal government, Cooper Notification’s advanced MNS solutions are battle-tested and battle-proven every day by protecting our armed forces in the most demanding environments and circumstances.

**Proven**

Cooper Notification’s brands have more than 100 years of proven experience in developing high-quality, reliable and innovative life safety products and solutions that are essential in responding to today’s threats. From Afghanistan to the National Capitol Region, we are helping emergency managers and security professionals in more than 500 MNS installations worldwide deliver critical alerts when it matters most.

**Mass Notification**

1. provides real-time information and instructions to people in a building, area, site, or installation using intelligible voice communications along with visible signals, text, and graphics, and possibly including tactile or other communication methods.

2. protect life by indicating the existence of an emergency situation and instructing people of the necessary and appropriate response and action.

**UFC 4-021-01, 2008**

Over the past decade, the world has seen natural disasters and violence like never before. Man-made or natural, the number and diversity of today’s threats have influenced the federal government and other organizations to create regulatory codes for MNS to help protect the well being of people and property around the world.

**DoD MNS Requirements**

In 2002, the Department of Defense (DoD) developed the Unified Facilities Criteria (UFC) 4-010-01 Minimum Antiterrorism Standards for Buildings, where mass notification was first defined. Two years later, the DoD published the UFC 04-021-01 Design and O&M: Mass Notification Systems, which required the installation of intelligible voice notification systems in and around new “inhabited buildings.” Cooper Notification played a key role in the development of the latest UFC, which included requirements for intelligibility, system redundancy and interoperability.

In creating the UFC, the DoD discovered that most fire alarm systems were unable to communicate with people in non-fire emergencies such as severe weather. The U.S. Air Force petitioned the National Fire Protection Association (NFPA) to develop MNS requirements. As a result, the NFPA added Annex E Mass Notification Systems as recommended guidelines for MNS in the National Fire Alarm Code 2007 edition. This was the first time in the history of the code that a non-fire alarm system could take precedence over a fire alarm system.

**NFPA ECS Requirements**

In the NFPA 72 National Fire Alarm and Signaling Code 2010 edition, Annex E became Chapter 24 Emergency Communications Systems (ECS), the first mass notification code for the private sector. Underwriters Laboratories is establishing for the first time the new standard for mass notification - UL 2572. It will measure how an MNS performs against the NFPA ECS codes. In addition to assisting UL in the interpretation of UL 2572 application, Cooper Notification has become a pioneer by designing one of the first solutions to meet the stringent UL requirements for Mass Notification Systems.

Cooper Notification is leading the industry in developing new codes and requirements for MNS with some of the country’s most prestigious and respected agencies, which are all determined to ensure public safety at all costs. When it matters most, you’ll have the peace of mind, knowing that you’ve chosen a company that has the backing of these organizations.
Emergency Communications System

(ih-mur-juhn-see kuh-myoo-ni-key-shuhns sis-tuhrn) noun.
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As defined by NFPA 72 2010 Emergency Communications System chapter, an In-Building Mass Notification Systems provides live voice and pre-recorded localized messaging within a protected individual building, areas surrounding the building and other outdoor designated areas, for the purpose of notifying and instructing occupants in an emergency.

Delivering critical alerts when it matters most, Cooper Notification’s In-Building Mass Notification System, SPMNS, provides personnel and building occupants with clear, concise and intelligible voice messages that communicate how people should respond during a variety of emergency situations.

Compliant with NFPA 72 2010 and UL 2572 for MNS, the SPMNS interfaces with a building fire alarm system (FAS) to provide a complete In-Building MNS. An integral part of the fire system, the SPMNS manages all audio and visual notification appliances for both fire and MNS and reports trouble and supervisory signal through the FAS. Supervised voice speakers controlled by the SPMNS can be used for both fire and emergency communication applications. A dedicated MNS microphone (SPMNS-MIC) for live emergency communication messages will override fire alarm messages as required by NFPA.

In-Building MNS Components
By integrating Cooper Notification’s In-Building MNS solution, there’s no need to replace your current fire panel. Your addressable FAS becomes compliant with NFPA 72 and UL 2572 with our added solution. • SPMNS, the primary control unit for In-Building MNS, which monitors and controls notification appliances • SPMNS-MIC, dedicated microphone for live MNS messages • POWERPATH® Notification Appliance Circuit (NAC) Power Supply • Interface to an addressable FAS • Wheelock speakers, speaker strobes and strobes

Applications
Cooper Notification is successfully providing critical in-building communications for all types of emergencies in various types of occupancies including:
• Educational Facilities • Healthcare Facilities • Corporate Campuses • Industrial Facilities • Government Buildings • Retail Stores • Warehouses • Restaurants

Voice Message Features & Priorities
• SPMNS features flexible, field-programmable messaging capabilities • Priority messaging is as follows:
  1. Live voice messages from the MNS microphone
  2. Pre-recorded prioritized mass notification messages
  3. Live voice messages from the fire microphone
  4. Pre-recorded prioritized fire notification messages
• The SPMNS will override the FAS with live voice from a separate MNS microphone or manual activation of a high-priority emergency message
• After the SPMNS relinquishes control, the following occurs:
  - Without an active fire alarm signal, the fire alarm system shall automatically restore to normal operation
  - With an active fire alarm signal, the fire alarm shall operate based on the Emergency Response Plan (ERP)
• The fire alarm signal deactivation function occurs only when both the FAS is in alarm condition and an MNS priority voice message is initiated
• When the fire alarm notification is overridden by the SPMNS priority emergency message, all other features of the FAS remain unaffected

Visible Notification
• Through supervised strobes, SPMNS also provides visible notification information to serve the hearing-impaired and for high-noise areas
• Transmission of visible notification through the SPMNS is simultaneous with audible notification and messages

Interfaces
• SPMNS will be integrated with the building fire alarm system to form one combined system that performs both fire alarm and emergency communications functions
• Any In-Building MNS fault condition will be annunciated and displayed at the affected SPMNS control unit

Whether it’s a HAZMAT spill, terrorist threat or inclement weather, the SPMNS is designed to protect, alert, and inform your most critical asset, your people. Cooper Notification’s MNS are the most reliable solutions available – designed especially to serve your life safety needs today and well into the future.
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In-Building MNS Components

SAFEPATH MNS (SPMNS)
• Primary control unit for live and recorded voice messages for fire alarm, emergency communications and voice evacuation

SAFEPATH MNS Microphone (SPMNS-MIC)
• Separate microphone for use with the SPMNS for live emergency communication messages

POWERPATH NAC Power Supply (PS-6, PS-8)
• Supervised power supply used for supervision and expanded power driving capability of Fire Alarm Notification Appliance Circuits

In-Building MNS Expansion Options

SAFEPATH Audio Boosters
• SPB-320, SPB-160 and the SPB-80/4 are designed to provide additional supervised audio power for live-voice or pre-recorded messages for the SPMNS

SAFEPATH 2-Zone Class A or 4-Zone Class B Speaker Audio Splitter
• Supervised Audio Splitter for the SPMNS or Audio Boosters

All of the above system components and expansion options are compliant with UL 2572 for MNS and UL 864.

Wheelock Notification Appliances
• For the In-Building MNS, Cooper Notification also provides audible and visual notification appliances for fire and emergency communications.

Some devices here may not meet UL Standards for MNS. Consult your Cooper Notification Sales Manager for details.