

Design Guidelines-Emergency Notification and Warning

BACKGROUND:

The Florida State University maintains a comprehensive emergency notification and warning system known publicly as "FSU ALERT." This system employs multiple technology and delivery methods to distribute alerts. As the university constructs or renovates buildings, it is critical to incorporate elements of the FSU ALERT system, as appropriate.

INDOOR SIRENS:

All structures equipped with new fire alarm systems must include capability for voice-based mass notification. Fire panels must be capable of receiving line-level audio input from an external source. Speakers must be capable of delivering voice audio.

Provide an "Indoor Siren Interface" (RTU-ISI) from American Signal Corporation – Model KIT-FAP-INTFCE, including message card and interface, enclosed in fiberglass box and wall mount. The unit shall be manufactured by American Signal Corporation to include: Motorola CM200 UHF 25 watt radio (MCM-200-U); Motorola Radio Interface UHF (KIT-RRM); Lightning Arrestor, BA Feed, VHF, PL-259 (KIT-ARR-2); Antenna, UHF, 100 feet of coax omni-directional (KIT-OMNI-ANT-5).

Constructor shall coordinate with the Department of Environmental Health & Safety, Emergency Management Section prior to ordering or purchasing any equipment from American Signal Corporation. EHS-EM maintains a master roster of unit numbers and tactical addresses which are required for manufacturing and programming by American Signal. EHS-EM must approve all Order Acknowledgement and Programming forms provided by American Signal.

The constructor shall mount the RTU-ISI adjacent to the fire alarm panel using the wall mounts provided by American Signal Corporation. Provide 110V AC electrical power to the RTU-ISI. Mount the antenna on the highest external vertical surface (exterior wall) possible given the 100 feet of coaxial cable provided by American Signal Corporation. Make all necessary connections: AC power, coaxial cable to RTU-ISI, antenna to coaxial cable, audio output to fire panel.

The EH&S Fire Safety Systems section will test and commission the Indoor Siren Interface commensurate with manufacturer's requirements prior to substantial project completion.

INDOOR ALERT BEACONS:

All new construction or renovations with a scheduled cumulative occupancy of 20 or greater within a building without current or scheduled Indoor Siren coverage as described above shall incorporate the installation of Alertus Indoor Alert Beacons.

Provide an "Alert Beacon Ethernet/POE" (AAB-E), including wall mount bracket(s) and "PoE Injector" power supply from Alertus Technologies, Inc. for:

- Each single room with a capacity for 20 or more people, including but not limited to classrooms, meeting or conference rooms, or other congregate space.
- A common area for an office suite such as the main entry / reception area, lobby, break room, or other central area within audible range of most occupants. If the space is large and distributed enough to where a single beacon cannot adequately be heard by most occupants, additional beacons may be necessary.

Constructor shall coordinate with the Department of Environmental Health & Safety, Emergency Management Section prior to ordering or purchasing any equipment from Alertus Technologies. EHS-EM

maintains a master roster of unit numbers and tactical addresses which are required for manufacturing and programming by Alertus Technologies. EHS-EM must approve all Order Acknowledgement and Programming forms provided by Alertus Technologies.

The constructor shall mount the Alertus Beacon securely to any wall surface using the wall mounting hardware provided and following manufacturer's instructions. The Alertus Beacon shall be mounted in a prominent location so that it is visible to, physically accessible by and within auditory range of the majority of occupants. Provide 110V AC electrical power and standard Ethernet telecommunication connection to each Beacon. All applicable ITS requirements for conduit, electrical boxes, et al apply.

The EH&S Emergency Management section will test and commission the Indoor Alert Beacon commensurate with manufacturer's requirements prior to substantial project completion.

VOICE-OVER-IP (VoIP) TELEPHONY:

All structures equipped with new Voice-Over-IP (VoIP) telephony technology should include capabilities for mass notification (public address). Consult with the Department of Environmental Health & Safety, Emergency Management Section for opportunities to incorporate connections to the FSU ALERT emergency notification and warning system. For example, desktop telephone handset units should include handsfree speaker capabilities, addressable for mass notification / paging. Virtual telephony through computers should also include mass notification / paging capabilities. IP-based paging systems or speakers can be easily integrated into FSU ALERT.

DIGITAL DISPLAYS (including televisions):

All structures equipped with new forms of digital displays (televisions, LED signage, electronic displays, kiosks, LCD projectors), indoor or outdoor, should include capabilities to connect to the FSU ALERT emergency notification and warning system. Consult with the Department of Environmental Health & Safety, Emergency Management Section, prior to design and installation of such displays. Most modern electronic display systems are IP-addressable and easily integrated with the FSU ALERT system technology.