



Campus Mass Notification System (MNS)

Alertus Technologies Advantages

1. Networked managed, but not network dependent.
2. Redundant communication for receiving a notification signal via radio paging.
3. Provides an audible and visual message for notification powered on battery backed up systems.
4. Supported notifications through existing devices such as computers, phones, digital signs, etc.
5. Offered simple triggering of events through single button activation.



A.24.6.3 A wide-area mass notification system could have the capability to communicate with other notification systems on the site, such as the telephone alerting system, paging system, cell phone, pager, PDA activation, e-Blast, message scrolling, reverse 911, fax transmission, and highway advisory radio and sign control system (used for dynamic control of radio information and traffic signs for emergency information and traffic management).

Exhibit 24.12 is an example of a message display that might be used as part of a wide-area MNS that communicates with other notification systems.

EXHIBIT 24.12

Wall-Mounted Message Display with Integral LEDs and Sounder.
(Source: Alertus Technologies, LLC, Beltsville, MD)





Pilot Installations

Building 13 – Design Technology

- Beacons only

Building 9B – Student Services

- Audio paging and notification

Building 70, 71, 72 – Child Development Center

- Microphone and telephone audio paging and notification

Building 77, 78, 79 – Business and Computer Technology Complex

- Completely integrated system of notification Beacons and Audio override paging including hallways, offices, and classrooms

Building 16E – Student Equity Center

- Completely integrated system of notification Beacons and Audio override paging including hallways, offices, and classrooms

Need To Expand Mass Notification System

Bomb Threats

Earthquakes

Active
Shooters

The increase of events on campuses throughout our nation points to the need to deploy mass notification campus wide as expediently as possible.



Looking To The Future

All future construction plans include MNS

- Stadium
- Student Center
- Physical Education P2

Campus-wide deployment

- Estimated through paper screen
- 900 beacons
- 70 LED marquees
- 50 Audio paging systems
- 200 High Intensity Strobes
- Panic Buttons
- IT Infrastructure



Deployment Strategy

1) Develop plans for the following services:

- Survey to develop installation plans and documentation for formal bid of installation services.
- Conduct Risk Analysis
- Update Emergency Response Plan.
- Submit conceptual design to DSA.
- Purchase Alertus Equipment
- Coordinate installation contractors.
- Commission, verify, and test the system as it is installed.

2) Optimal installation will run approximately 16-18 weeks.

- Publically bid and award installation services.
- Work will be performed at night and on weekends to avoid displacing students and classes.
- Contract services for programming audio distribution and classroom override.



Table for cost breakdown

Onsite Survey and Consultive Services	\$ 98,220.00
Services to update Emergency Response Plan for notification and add to Alertus Server	\$ 91,600.00
Alertus Equipment	\$ 1,300,000.00
Audio Distribution Equipment	\$ 800,000.00
Installation	\$ 2,800,000.00
Coordination, implementation, commissioning	\$ 316,737.00
IT equipment including battery back up	TBD
Estimated total	\$ 5,216,737.00



On-going Maintenance

- Server (semi-annual)
- Distributed Audio systems (semi-annual)
- System Testing (annual)
- Battery Back-up systems
- Alertus Devices – damaged, life cycle
- Bi-Annual Drills
- Integration of Future project
- Additional Personnel to support these needs