



Office of the Chief Fire Official

Overview of Fire Alarm Systems and the SMART Program

School Board Workshop September 25, 2018

Presented by:

MaryAnn May, Ph.D., Chief Fire Official



Agenda

- What we have now
- What is SMART
- What does fire code require
- Exploring beyond SMART
- Future considerations



What we have now

- Conventional-Zoned
- Addressable
- Hybrid



NOTE: Operation of systems meet code



SMART

- Approximately 100 schools to receive fire alarm
- Replacement of older systems/becoming more difficult to locate parts



Requirements

- A new total school fire alarm system upgrade project for an existing campus shall include the voice feature
- Monitoring



Items originally not contemplated in SMART

- Remote command centers
- Ability to change horn sound
- Ability to utilize positive alarm sequence
- State Fire Marshal's office and Department of Education have confirmed school districts in Florida are not currently utilizing positive alarm sequence
- Potential to integrate with other systems
- Goal: *Maximize flexibility with systems!*



Memorandum to CBRE/Heery – May 31, 2018

- Recorded voice activation
- Microphone at panel to have live emergency voice communications throughout campus
- Flexibility of alerting sounds
Examples: slow whoops or chimes
- Ability of programming positive alarm sequence
- Remote command centers for assembly areas such as cafeteria, gym, auditorium
- System will be required to be monitored



Exploring Beyond

- Ability to make live announcements
- Ability to override system with additional instructions
- Lockdowns
- Ability to use special effects in theatre presentations



Fire Alarm Installs

- New fire alarm spec
- Design
- Wiring runs
- Battery loads
- Equipment compatibility
- Tie into other systems



Future Considerations

- Integration with other systems
- Fire alarm replacement needs
- Safe Havens review



Questions?



The School Board of Broward County, Florida

Nora Rupert, Chair
Heather P. Brinkworth, Vice Chair
Robin Bartleman
Abby M. Freedman
Patricia Good
Donna P. Korn
Laurie Rich Levinson
Ann Murray
Dr. Rosalind Osgood

Robert W. Runcie
Superintendent of Schools

The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, genetic information, marital status, national origin, race, religion, sex or sexual orientation. The School Board also provides equal access to the Boy Scouts and other designated youth groups. Individuals who wish to file a discrimination and/or harassment complaint may call the Director, Equal Educational Opportunities/ADA Compliance Department & District's Equity Coordinator/Title IX Coordinator at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

Individuals with disabilities requesting accommodations under the Americans with Disabilities Act Amendments Act of 2008, (ADAAA) may call Equal Educational Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.

browardschools.com

