



October 9 - 11, 2024 | San Antonio, Texas

The Impact of Landline Technology Phaseout on Life Safety Devices

YOUR STRATEGY MATTERS

CEU CODE FOR THIS SESSION: ACC925



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Solutions Engineering

Session Learning Objectives

1

Demonstrate a detailed understanding of how technology disruptors impact building operations.

2

Gain insight into why a proactive approach can help avoid unnecessary risk and liability.

3

Identify safety solutions that will support operational efficiencies.

WHAT'S HAPPENING?

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August 2019:
The Federal Communications
Commission issued **Order 10-72a1**

Order permits telecom
companies to no
longer support
traditional phone lines.



Does not prohibit the
use of POTS lines but
creates an impact to
buildings that do so.



**LANDLINES
ARE DYING**

“NEW” TECHNOLOGIES



VoIP



Cellular

VOICEOVER INTERNET PROTOCOL (VoIP)

Emergency Phone Requirements	Automatic Location Identification	Inbound Call Routing	Communication Failure Alert	Backup Battery
POTS	✓	✓	✓	✓
VoIP				

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CELLULAR



Convenience



Compliance



Cost

CELLULAR

Emergency Phone Requirements	Automatic Location Identification	Inbound Call Routing	Communication Failure Alert	Backup Battery
POTS	✓	✓	✓	✓
VoIP	X	X	X	X
Cellular	✓	✓	✓	✓



CODE UPDATES



HOW REGULATED MARKETS AFFECT ELEVATOR MONITORING

IBC is a set of minimum requirements for building systems.

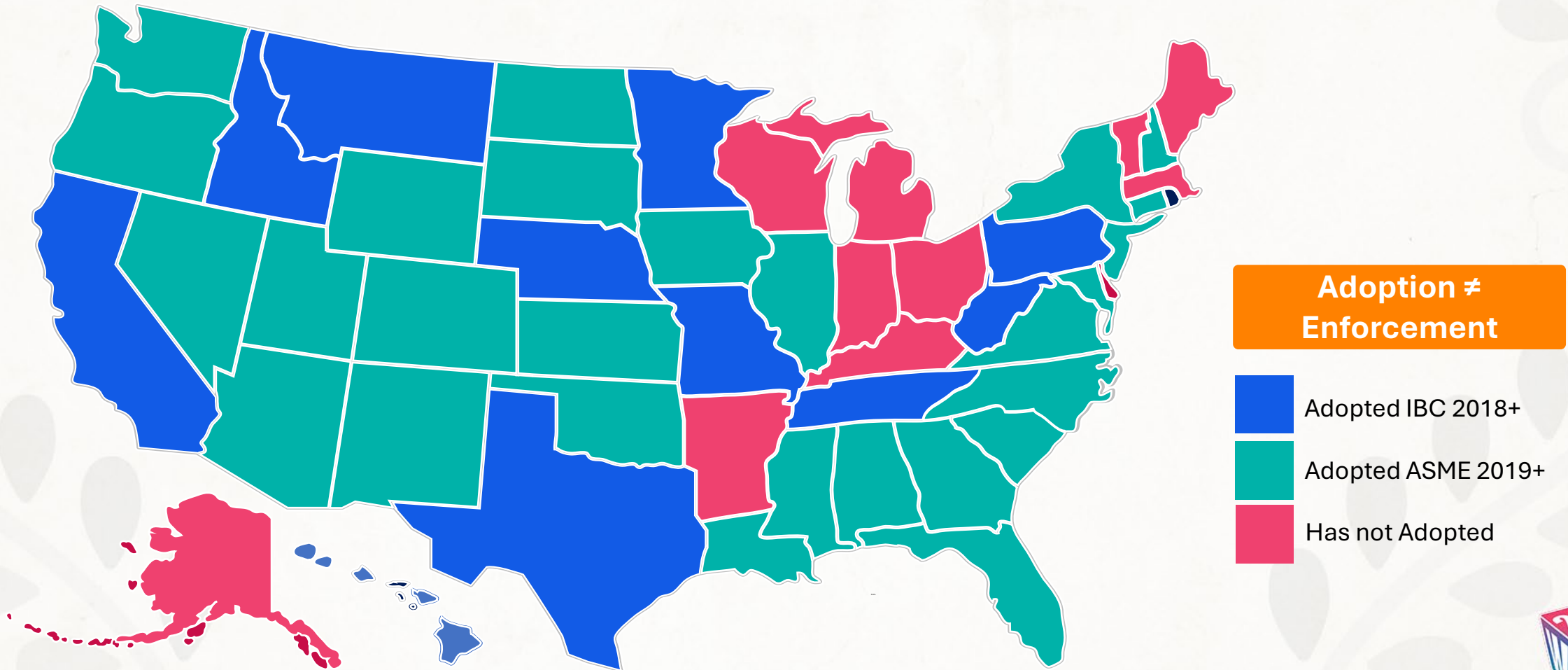
ASME A17.1 Code is used to regulate Elevators Communications.

When a new elevator is installed or undergoes a major modernization, the elevator must meet or be updated to the current code of their region.

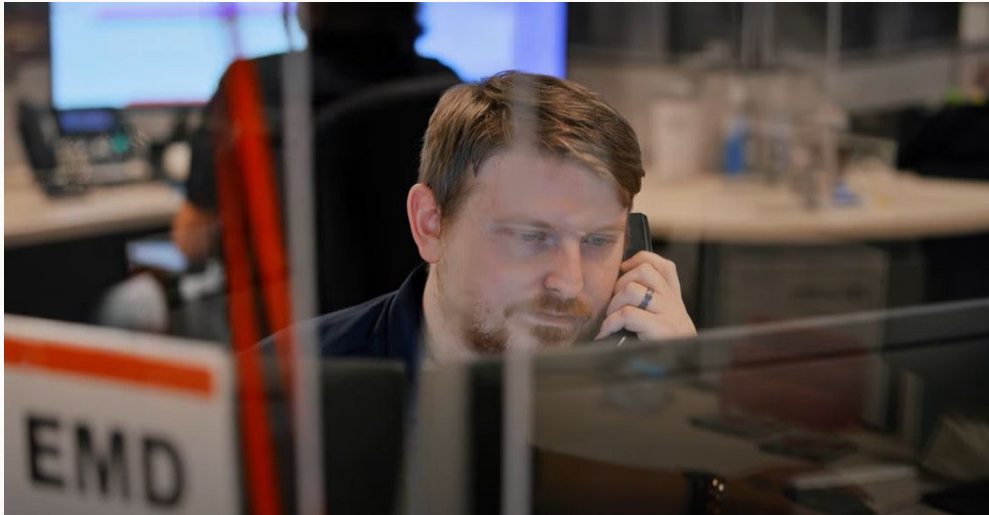
Elevator Communications only required traditional voice communication until IBC 2018 Ed. and A17.1 2019 Ed. were issued.



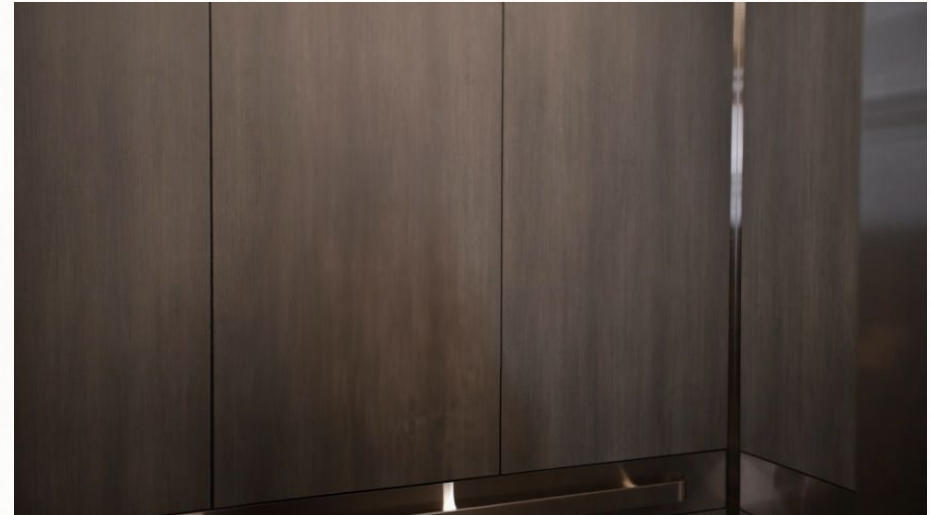
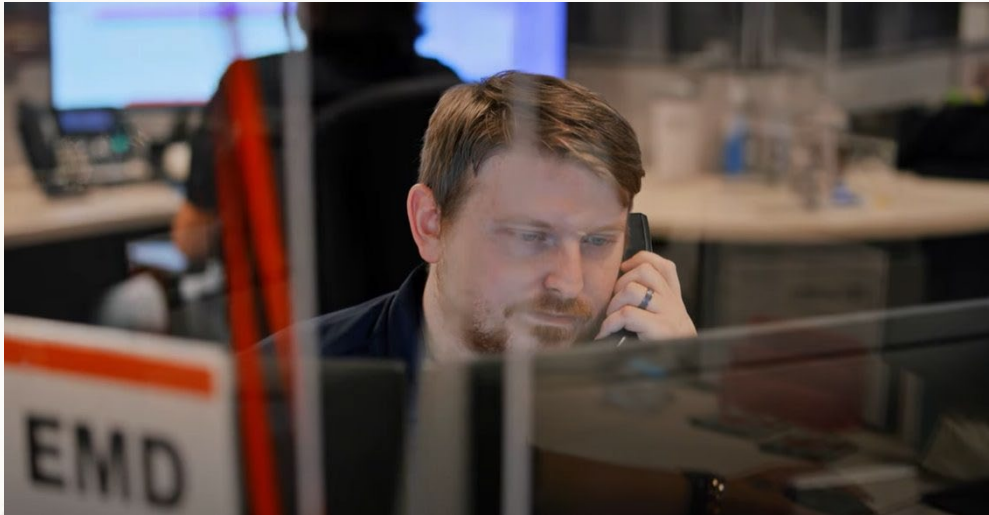
STATES AFFECTED BY VIDEO MESSAGING CODE UPDATES



TRADITIONAL ENTRAPMENT PROCESS



TRADITIONAL ENTRAPMENT PROCESS

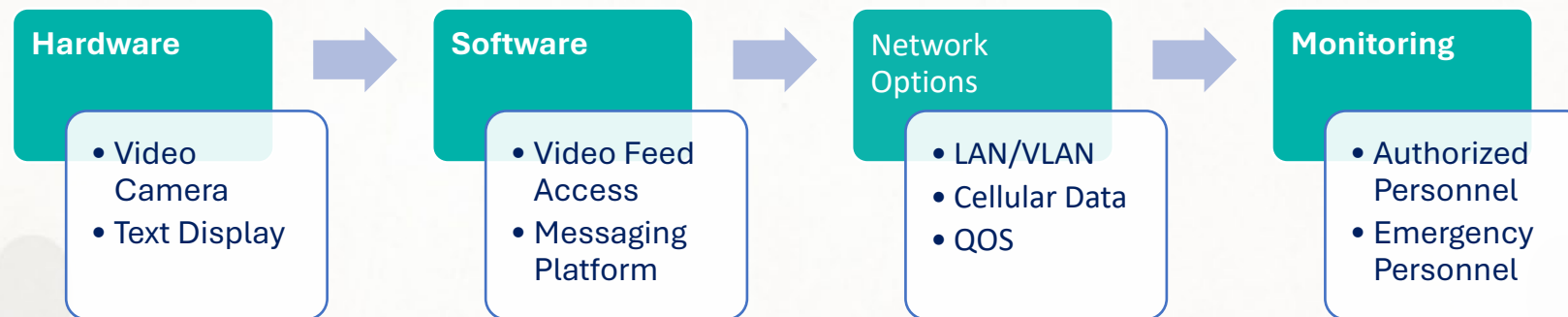


ELEVATOR MONITORING CODE UPDATES

ASME 2019 A17.1

2.27.1.1.1.c. – ...***a message shall be displayed*** that is activated by authorized personnel to acknowledge that communications are established...

2.27.1.1.1.k. – A means to ***display video*** to ***observe passengers*** at any location on the ***car floor*** to ***authorized personnel*** for entrapment assessment shall be provided.



ASME ENTRAPMENT PROCESS

If Authorized Personnel **does not** receive a verbal response, they will continue with text and video communication

New Installations and Modernizations

!! ATTENTION !!

Operator: Can you hear me?

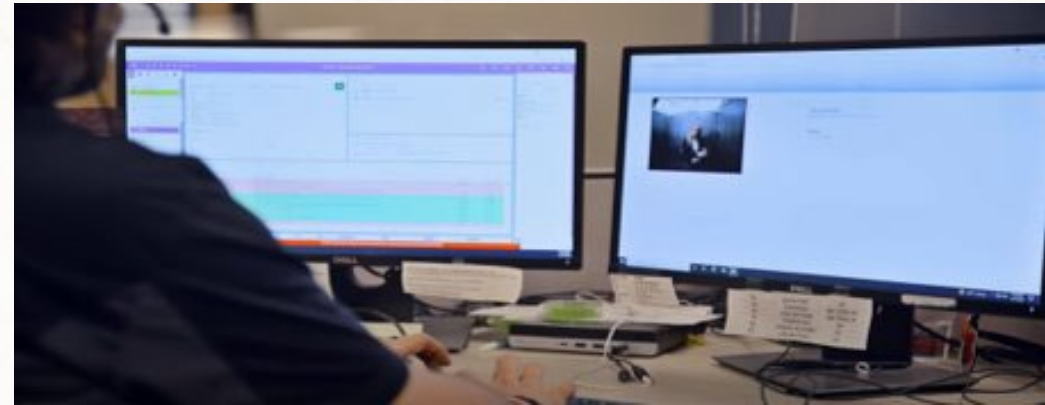
Passenger: No

Operator: Do you need an ambulance?

Passenger: Yes

Operator: HELP IS ON THE WAY

Press Open Doors for Yes
Press Close Doors for No



This Session is being Recorded

Elevator ID
100169

Type to communicate to
passengers for Yes and No
responses:

Send



REQUIRED MINIMUM STANDARDS FOR EMERGENCY ELEVATOR PHONE MONITORING

Designed to help navigate niche elevator communications code.

Outlines specifications related to code compliance as well as performance and safety.

Offers a best practice resource to measure your existing solution against and/or to evaluate new solutions. Can be used as an easy checklist, regardless of who you partner with to monitor your emergency phones.



REQUIRED MINIMUM STANDARDS FOR EMERGENCY ELEVATOR PHONE MONITORING

Monitoring facility meets UL 827 specifications for monitoring and redundancies including electrical power generation, data, and communication pathways.

Upon request and at no additional cost, monitoring services provider shall have the ability to name elevator owner as Additional Insured under monitoring services provider's general liability, Errors & Omissions, and excess/umbrella liability insurance policies.

Capable of directly dispatching the geographically appropriate local emergency response agencies.

Emergency call operators have 24/7/365 access, to language translation in real-time.

Record and store two-way audio and text conversations as well as elevator cab video, with date and timestamp for later retrieval and review. Recordings must be stored and retrievable for a minimum of three years from the date of the recorded event.



REVIEW

Phone Line Options

- POTS retirement
- VoIP compliancy
- Cellular recommendation

Network Options

- LAN/VLAN
- Cellular Data
- QOS

Code Updates

- Two-way messaging
- Video
- Display message

Recommended Minimum Standards

- Navigate code
- Performance & safety
- Best practices



CEUs & CFM[®] Maintenance Activities

To receive CEU points, you must add the US\$25 processing fee to your registration.

All CEU participants are required to complete the session evaluation, five question assessment and **CEU session code** for each session attended. After passing the test, your electronic CEU certificate can be downloaded from the Attendee Service Center.

CEU CODE FOR THIS SESSION: ACC925

Managing CEUs Instructions*:

- Log into the Attendee Service Center.
- Your log-in information was sent to you when you registered for the conference.
- Click “Session Evaluation & CEU Assessment” on the left-hand side.
- Click “Start” next to the session you attended.
- Complete the session evaluation.
- Complete the five-question assessment and CEU session code.
- After passing the test, your attendance will be verified, and a certificate can be downloaded from the Attendee Service Center.

**If you wish to receive CEUs or LUs for other organizations, you must contact those organizations for instructions on reporting credit hours.*

To receive 1 CFM Maintenance Activity (6 required for recertification)

- Record your attendance for the three-day conference on your CFM Recertification Form in CAMP.
- Credentials Staff can verify your attendance.
- At re-certification time, submit your completed CFM Recertification Form.

WE HIGHLY VALUE YOUR FEEDBACK

Please take the time to evaluate sessions on the Mobile App

1. Log into your Mobile App.
2. Access the current session.
3. Click on “Session Feedback” to rate the session.

Thank you for your participation!