



2.27.1.1 – Emergency Communications Repair/Replacement/Alteration (When is a Video & Text-based Communication Upgrade required?)

Subject: Provide clarity on when the latest edition of ASME A17.1/CSA B44 clause 2.27.1 will need to be complied with when Repairs/Replacements/Alterations to Emergency Signaling Devices take place. Additionally, we will address whether Freight Elevators, not intended for “General public use” need to comply with 2.27.1.

Question #1 – Repair/Replacement/Alteration

Car Emergency Signaling Device	Video Required	No Video
1. Alarm Bell to a Phone	Yes	
2. Existing Communication replaced with the same type		No video
3. Adding Emergency Communication, not previously present	Yes	
4. Phone to a Phone, but no change to tech, change in Pots, VoIP, Cellular		No Video
5. Phone to a Phone with the addition of Line Monitoring	Yes	
6. Corded Phone (handset) to push button phone.		No Video
7. Intercom to a Phone	Yes	
8. Controller Alteration consisting of a change in Motion Control or Operation Control.	Yes	
9. Change in Type of Service (Pass. to Freight or Freight to Pass.)	Yes	

Question #2

Will Freight Elevators, not intended for “General public use” need to meet all sections of 2.27.1.1? **Answer: YES. Since the 2000 edition of the code, there has been no deliberated distinction between Freight Elevators and Passenger Elevators concerning Emergency Communications.**

References:

- 1) Repair Parts – 8.6.2.1
- 2) Replacement Parts – 8.6.3.1
- 3) Car Emergency Signaling Devices – 2.27.1
- 4) Change in Type of Service – 8.7.2.16.1 and 8.7.3.17
- 5) Alteration Emergency Operation and Signaling Devices - 8.7.2.28(a)(f), 8.7.3.31.8(a)(f).
- 6) Alteration to Controllers consisting of a change in Motion Control or Operation Control 8.7.2.27.5(m), 8.7.2.27.6(o), 8.7.3.31.6(l), 8.7.3.31.7(m).
- 7) ASME A17.1/CSA B44 Handbook 2019 Edition
- 8) B44-1994 – 3.13.2

Implementation: Immediately

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