



November 2013 – Webinar Questions and Answers ECC – Versatile Solution to Your Application

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The recorded webinar along with copy of the presentation used can be found on [webinar](#) section of Fire-Lite's website.

1. How do I determine the ambient noise level in a building so I can meet the private or public mode requirements?
 - a. You can do a walk-through of the building to take measurements with a dB meter. Measurements could be taken at different times of the day if the occupancy levels vary.
2. What provision has been made for continuing support of the discontinued ACC equipment?
 - a. There are select ACC parts that are still available as replacements. Please contact your Regional Sales Manager to obtain the latest status on these parts.
3. What edition of NFPA 72 is this webinar based upon?
 - a. This webinar is based upon the 2013 version of NFPA 72.
4. How much more Db's should the speaker be above the current Db level?
 - a. You should refer to the version of NFPA 72 that is adopted in your jurisdiction; however, the 2013 version of NFPA 72 states 15 dB above average ambient sound level for Public Mode and 10 dB for Private Mode. These refer to the alert and evacuation tones only.
5. Are you required to have a back up amplifier?
 - a. No, not in many cases. However, there are specific projects and possibly jurisdictions that require backup amplification. Please check with the A&E specification and your local AHJ regarding this requirement.
6. Do speakers come in wider frequency ranges for music?
 - a. Music has a broad frequency range. UL evaluates fire notification speakers' performance over the range of 400-4000Hz; however these products do perform beyond this range. Typically, to have the best system for music you need a system that includes amplifiers, signals and speakers that are optimized for music. Often these systems are expensive. Generally higher quality fire speakers could be used for background music, however this isn't considered a high fidelity system.
7. Briefly cover when a MNS is required by code.
 - a. The specifics of MNS are not necessarily prescribed by code (except for certain occupancies and buildings that are required to have the "Layer 1" in-building MNS); however, it would be a requirement as an outcome of the risk analysis. Remember, codes are catching up to the current needs of buildings and building occupants in the wake of these new threats.
8. Do you have available a speaker loading calculator that will provide amp watt supply, wire size, and speaker watt load for acceptable wire length?
 - a. Yes, Lite-Calcs now includes the new ECC-50/100. It is available for free on our website www.firelite.com
9. What's the max length of speaker wire allowable per speaker circuit?
 - a. The max length depends on the design of the circuit (e.g., number of speakers, speaker taps, etc). Must also meet NFPA 72 Standards for minimum and maximum sound levels. You may use our Lite-Calcs application to determine the max speaker wire length. It is available for free on our website www.firelite.com.
10. What cable do we need to connect to ECC 50/100 to the ECC-LOC?
 - a. Three connections need to be made (please refer to document LS10001-000FL-E for more details):
 - i. External data bus: TB12 twisted/shielded, max loop impedance 13.2 ohms 12-18 AWG
 - ii. External audio riser: TB22 twisted/shielded, max loop impedance 13.2 ohms 12-18 AWG
 - iii. External operator interface power: TB24 untwisted/unshielded or twisted/unshielded, max loop impedance 13.2 ohms 12-18 AWG
11. Just searched for the ECC app and didn't find it - how is it listed?
 - a. Try searching for "FIRELITE-ECC" in the App Store. You can also go here: <https://itunes.apple.com/us/app/fire-lite-ecc/id668154998?mt=8?utm>
12. How do you determine if you need 25VRMS or 70VRMS?
 - a. For new systems, you can design for 25VRMS or 70VRMS. For retrofits, you should check the existing speakers to determine how the system was designed. 70VRMS systems were traditionally used and you

may find them when doing retrofits. They allow for longer speaker circuit runs. Today, 25VRMS systems are more common and more cost effective.

13. Will the ECC app work on iPhone?
 - a. No, the ECC App was designed for iPad only. The functions to truly use the demo would be too small to utilize on the smaller screen of an iPhone.
14. How typical are 70VRMS systems over 25VRMS systems?
 - a. 70VRMS systems were traditionally used and you may find them when doing retrofits. They allow for longer speaker circuit runs. Today, 25VRMS systems are more common and more cost effective.
15. Does the 2x ceiling height spacing rule apply to corridors?
 - a. Yes, the 2x is more of a guideline and could be followed up with a design using commercial software.
16. What about the ECC with the existing voice system in the case of a failure?
 - a. This question could be answered in two different ways – 1) If the question is about the ECC vs. ACC, the two systems are not compatible with each other. However, select ACC parts are still available as replacements. Please contact your Regional Sales Manager to obtain the latest status on these parts. 2) If the question is about using a second voice evacuation system in case of failure, there are other ways of designing the system for survivability. Using backup amplification and alternating speaker circuits on floors is a good start for survivability without the need for installing a second system.
17. Is a voice evac system required in a train station to comply with NFPA 130 for the PA announcements?
 - a. No, because the International Fire Code (IFC) requires a fire emergency voice/alarm communications (EVAC) to comply with NFPA 72. Also NFPA 72 and the IFC permit an EVAC system to be used for announcements other than fire as long as fire takes precedence over any other use. Please refer to IFC Section 907.2.1.1.

Please note:

While we have tried to answer your questions as fully as possible there are some questions that need a more detailed answer. If you have questions regarding what was heard in this webinar please reach out to: Fire-Lite Alarms Technical Support is available Monday – Friday, from 8 am to 7 pm ET. Fire-Lite Tech can be reached [online](#), via email at firelite.tech@honeywell.com or by calling 1-800-627-3473.