



DEPARTMENT OF ADMINISTRATIVE SERVICES

PROPOSED CHANGE OF THE CONNECTICUT STATE
BUILDING CODE AND FIRE SAFETY CODE

DATE SUBMITTED: 5-26-21

CODE INFORMATION

Proposed change to: ☐ Building Code ☒ Fire Safety Code
Code section(s): 1207.1.4

PROPONENT INFORMATION

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PROPOSAL INFORMATION

Description of change and reason for change (attach additional information as needed):

Add new condition for when an HMA is required. See Attached.

Proposed text change, addition or deletion (attach additional information as needed):

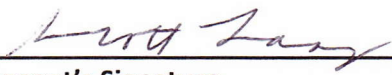
Add item 4 that requires an HMA when flammable gas is produced. See Attached.

Supporting data and documents (attach additional information as needed)

- ☐ **This Proposal is original material.** (Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought or research and, to the best of his/her knowledge, is not copied from another source.)
- ☒ **This Comment is not original material, its source (if known) is as follows:** (such as material / code development proposal from a prior development cycle or proposal submitted to model code committee etc.)
NFPA 855 A2022 First Draft
- ☐ **I would like to make an in-person presentation of my proposal.**

Release

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Proponent's Signature

Scott Lang
Printed Name

PLEASE EMAIL (PREFERRED) TO DAS.CodesStandards@CT.GOV OR MAIL OR FAX (SEE BELOW)

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12/29/16

Description of change and reason for change (attach additional information as needed):

Recent editions and revisions to the Fire Code and NFPA 855 are adding a situation that would trigger an HMA in addition to the three currently listed. Specifically, an HMA shall be required when an ESS battery technology emits flammable gases during abnormal conditions. This provision will require system designers to carefully consider the hazards specific to lithium-ion battery technology.

Proposed text change, addition or deletion (attach additional information as needed):

1207.1.4 Hazard mitigation analysis.

A failure modes and effects analysis (FMEA) or other *approved* hazard mitigation analysis shall be provided in accordance with Section 104.8.2 under any of the following conditions:

1. Where ESS technologies not specifically identified in Table 1207.1.1 are provided.
2. More than one ESS technology is provided in a room or enclosed area where there is a potential for adverse interaction between technologies.
3. Where allowed as a basis for increasing maximum allowable quantities. See Section 1207.5.2.
4. Where flammable gases can be produced under abnormal conditions.

Supporting data and documents (attach additional information as needed)