



## DEPARTMENT OF ADMINISTRATIVE SERVICES

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

DATE SUBMITTED: 5-24-21

#### CODE INFORMATION

Proposed change to: ☒ Building Code ☐ Fire Safety Code

Code section(s): 2021 Connecticut Residential Code – Chapter 44 – Referenced Standards

#### PROPONENT INFORMATION

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#### PROPOSAL INFORMATION

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

- Update standard references in Chapter 44. Update the UL/CSA 60335-2-40 to the 2019 edition.

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

#### CHAPTER 44 REFERENCED STANDARDS

8501 East Pleasant Valley Road

Cleveland, OH 44131-5516

Standard referenced	Title
<del>UL C22.2 No. 60335-2-40-2019</del>	Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for <del>Motor-compressors</del> Electrical Heat Pumps, Air-Conditioners and Dehumidifiers- <del>3<sup>rd</sup> edition</del> <u>M1402.1, M1403.1, M1412.1, M1413.1</u>

UL

UL LLC  
333 Pfingsten Road  
Northbrook, IL 60062

Standard referenced	Title
UL/CSA/ <del>ANCE</del> 60335-2-40- <del>2012</del> <u>2019</u>	Safety of Household and Similar Electrical Appliances, Part <u>2-40</u> : Particular Requirements for <del>Motor Compressors</del> <u>Electrical Heat Pumps, Air-Conditioners and Dehumidifiers-3<sup>rd</sup> Edition</u> <u>M1402.1, M1403.1, M1412.1, M1413.1</u>

Supporting data and documents (attach additional information as needed)

UL will withdraw UL 1995 as a national standard effective January 1, 2024. The standard is being replaced by UL/CSA 60335-2-40. The 3<sup>rd</sup> edition of UL 60335-2-40 was published November 2019 with many new requirements for electrical and refrigerant safety. The 2021 edition of the International Mechanical Code has made this change to reference UL/CSA 60335-2-40. Third party listing agencies are using the latest version of the UL 60335-2-40 safety standard for certification testing. It should be noted that the 2021 Connecticut Residential codes references UL/CSA 60335-2-40.

UL/CSA 60335-2-40 has extensive safety requirements regarding the use of low global warming potential (Low GWP) refrigerants classified as Group A2L. This transition is extremely timely and fits will support compliance with new regulations. The *American Innovation and Manufacturing Act (AIM Act)* signed into law by President Trump on December 27, 2020 will result in a mandate by the U.S. Environmental Protection Agency to transition to new refrigerants. The U.S. [EPA approved](#) the use of A2L refrigerants after an assessment of their safety, flammability, toxicity and environmental impacts provided users follow UL 60335-2-40 edition 3 and follow certain labeling and other practices.

In addition, the references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard has been removed as ANCE in Mexico withdrew from the 3<sup>rd</sup> Edition is no longer associated with this standard after the 2<sup>nd</sup> Edition. The titles shown in Chapter 44 – Referenced Standards for UL/CSA 60335-2-40 have been updated to reflect the current title of the standards.

This transition, which we believe will have a deadline of January 1, 2025, requires a timely update to state building codes to enable the safe use of the new refrigerants that will replace the HFCs being phased down

☒ **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.)

☐ **I would like to make an in-person presentation of my proposal.**

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**Proponent's Signature**



**Printed Name:** Mary E. Koban

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12/29/16