



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 Mechanical Code – Chapter 15 – 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 15. Particularly, updating the UL/CSA 60335-2-40 to the 2019 edition.

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

CHAPTER 15 REFERENCED STANDARDS

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

Standard reference number	Title
<u>CSA C22.2 No. 60335-2-40-2019</u>	<u>Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers</u> <u>908.1, 916.1, 918.1, 918.2, 1101.2</u>

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062

Standard reference number	Title
UL/CSA 60335-2-40-2017 <u>19</u>	Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers 908.1, 916.1, 918.1, 918.2, 1101.2

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 3rd 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.

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

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Proponent's Signature



Printed Name: Mary E. Koban

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