**Proposed Revisions to the 2017 Florida Building Code – Residential, Sixth Edition**

**CHAPTER 46
REFERENCED STANDARDS**

**~~ANCE~~**

~~UL/CSA/ANCE 60335-2-40—2012 Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-compressors~~

~~M1403.1, M1412.1, M1413.1~~

**ASHRAE**

34—~~2013~~2019 Designation and Safety Classification of Refrigerants

M1411.1

**CSA**

UL/CSA~~/ANCE~~ 60335-2-40—~~2012~~2019 Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-compressors - 3rd Edition

M1403.1, M1412.1, M1413.1

**UL**

1995—~~2011~~2015 Heating and Cooling Equipment

M1402.1,M1403.1, M1407.1, M1412.1, M1413.1

UL/CSA~~/ANCE~~ 60335-2-40-~~2012~~2019 Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-compressors – 3rd Edition

 M1403.1, M1412.1, M1413.1

Rationale: The latest edition of this UL/CSA 60335-2-40 standard is the 3rd Edition – 2019. The 2021 ICC International Mechanical Code will include a reference to UL/CSA 60335-2-40-2019 3rd Edition in the sections identified. The references to ANCE as a sponsor of this standard has been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition.

While the current proposal in front of the Florida Building Commission is to update the ASHRAE 34 standards to the 2016 edition, my proposal is to update this referenced standard to the 2019 edition. This would allow for products approved to the latest version of the newest UL Standard to be included. Many manufacturers, including Goodman, will be transitioning away from UL 1995 to UL 60335-2-40 for new products over the next few years, because UL 1995 be obsoleted effective 1/1/2024 (please see attached timeline from UL and attached white paper from Intertek [1]). The newest 3rd edition of UL 60335-2-40, published November 2019 has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO2 systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low GWP Group A2L refrigerants. ASHRAE 34-2019 includes many new Low GWP refrigerants that do not appear in previous editions of the standard. It should be noted that the 2021 ICC International Mechanical Code references the 2019 edition of ASHRAE 15 and ASHRAE 34.

[1] Note that Intertek wrote their white paper (referencing the 2nd edition of UL 60335-2-40) prior to publication of the 3rd edition. The 3rd edition scope is modified such that all products within the scope of UL 1995 (a problem with the 2nd edition mentioned in the white paper) are now within scope of UL 60335-2-40.