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Dear Committee Members:

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) has established a Flammable Refrigerants Subcommittee (FRS). The mission of the Subcommittee is to determine gaps in existing flammable refrigerant research and develop a roadmap with priorities and a timeline to complete the critical research toward the safe use of flammable refrigerants with a focus on 2L refrigerants. Through this effort, the Subcommittee will facilitate key research, deliver scientific findings and produce publicly available and technically sound references to support code and standard activities related to the use of flammable refrigerants.

To support this effort, AHRI FRS is surveying Committees and Working Groups (WG) working on codes and standards related to the use of flammable refrigerants. These Committees and WGs are listed at the end of this letter. The Subcommittee seeks input from members of these groups on:

- the main knowledge gaps for the use of 2L flammable refrigerants
- any standing issues and gaps that require additional research
- current and past research activities on flammable refrigerants

Please note the survey seeks input from individual members of these groups, and not formal responses from the Committees and WGs. We have prepared a brief, four question survey, attached to this letter, and would appreciate your response by July 10. We also welcome any additional comments, which you may include at the end of the survey.

We will develop a complete research list and a research roadmap toward the safe use of flammable refrigerants according to the survey responses, and make them available to relevant groups. We will continue communicating with you and your committee as this project progresses. AHRI's ultimate goal is to collaborate within the industry and with relevant agencies to fund the research projects that could fill in the identified critical knowledge gaps, and deliver publicly available and technically sound findings to support code and standard activities related to the use of flammable refrigerants.

The success of this effort is dependent on your participation in the survey. **We kindly request that you return your completed survey form to AHRI Staff Xudong Wang at xwang@ahrinet.org by July 10, and copy the FRS liaison assigned to your committee**

Thank you in advance for your time and attention, and your willingness to support this important study. Please do not hesitate to contact me with any questions or concerns.

Sincerely,

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List of Committees and Working Groups participating in the survey:

- AHRI Standard 700
- ASHRAE SSPC-15 and its 2L ad hoc Working Group
- ASHRAE SSPC-15.2
- ASHRAE SSPC-34
- ASHRAE Code Interaction Subcommittee
- ASHRAE SSPC 72
- ASHRAE TCs 3.1, 3.2, 3.3, 3.4, and 10.7
- CSA 120
- EN 378
- EN / IEC 60335-2-24
- EN / IEC 60335-2-34
- EN / IEC 60335-2-75
- EN / IEC 60335-2-88
- GHS
- GFPF to GHS
- HPGL
- IEC 61D US TAG
- IEC SC61D WG9
- IEC 60335-2-40
- IEC SC61C WG4
- IEC 60335-2-89
- IEC 60335-2-104
- ISO TC86 US TAG
- ISO 5149
- ISO TC86/SC1 (ISO Standard 5149)
- ISO TC86/SC8 (ISO Standard 817)
- ISO/TC 86/SC1/WG1
- ISO/TC 86/SC8/WG5
- ISO 817
- ISO 817 MA (maintenance)
- NFPA 68 and 69
- NFPA 497
- Refrigerant code and standard task force
- STP for CSA 120
- STP for CSA 140.3
- UL 427
- UL 471
- WG-5 Tri-national Standard, UL 471
- UL 484
- UL 1995
- UL 2182
- Relevant GB codes in China