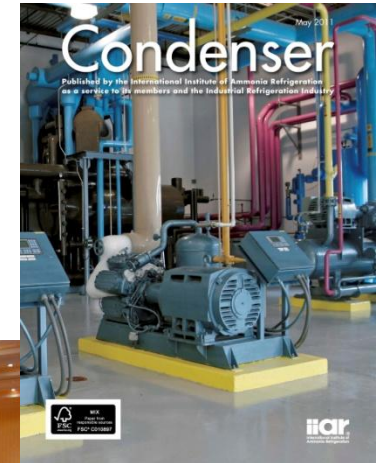


Industrial Refrigeration and the IIAR

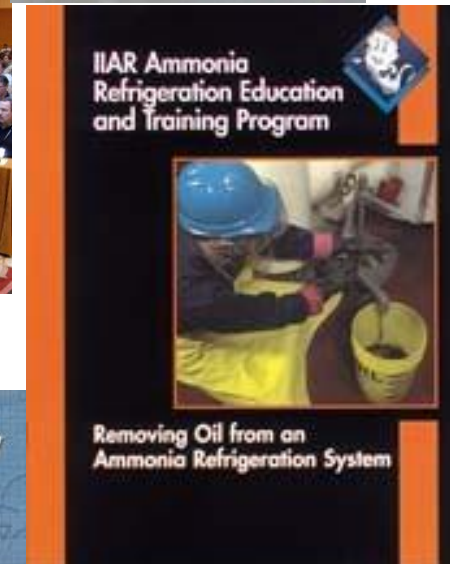
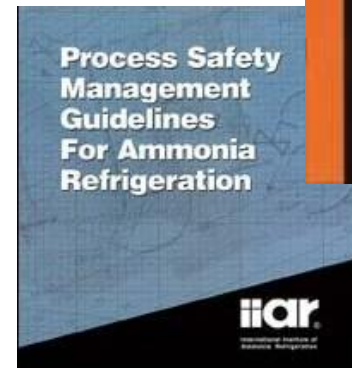
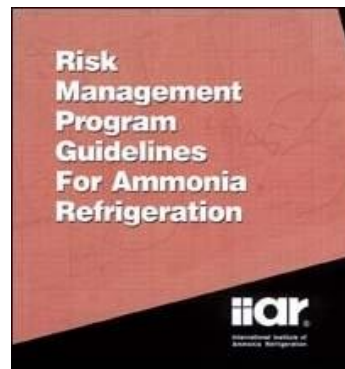
Eric M. Smith, P.E. – Technical
Director



IIAR – Who We Are, What We Do



- Technical Society for Industrial Refrigeration
- ANSI Accredited Standards Writer
- Advocate for Natural Refrigerants
- Publisher of Technical and Educational Resource Materials
- Advocate with other industrial organizations to regulatory agencies globally



° Mission Statement

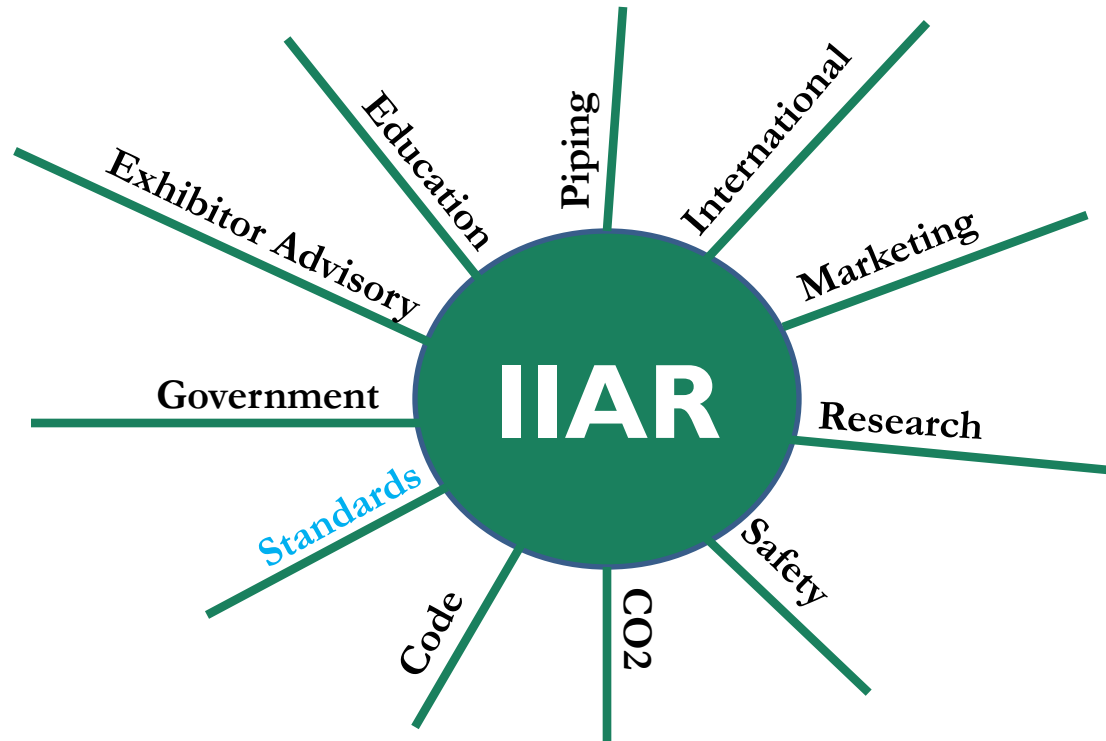
IIAR is an organization providing advocacy, education, standards and information for the benefit of the ammonia refrigeration industry worldwide



Using IIAR Standards, Bulletins and Handbooks

- What is IIAR doing?
 - *Creating Standards intended for Codes*
 - *Creating Handbooks intended for guidance*
 - *Eliminating Bulletins*
 - *Re-writing existing Standards based upon the new understanding that inspectors will use the entire document as the basis for inspections*

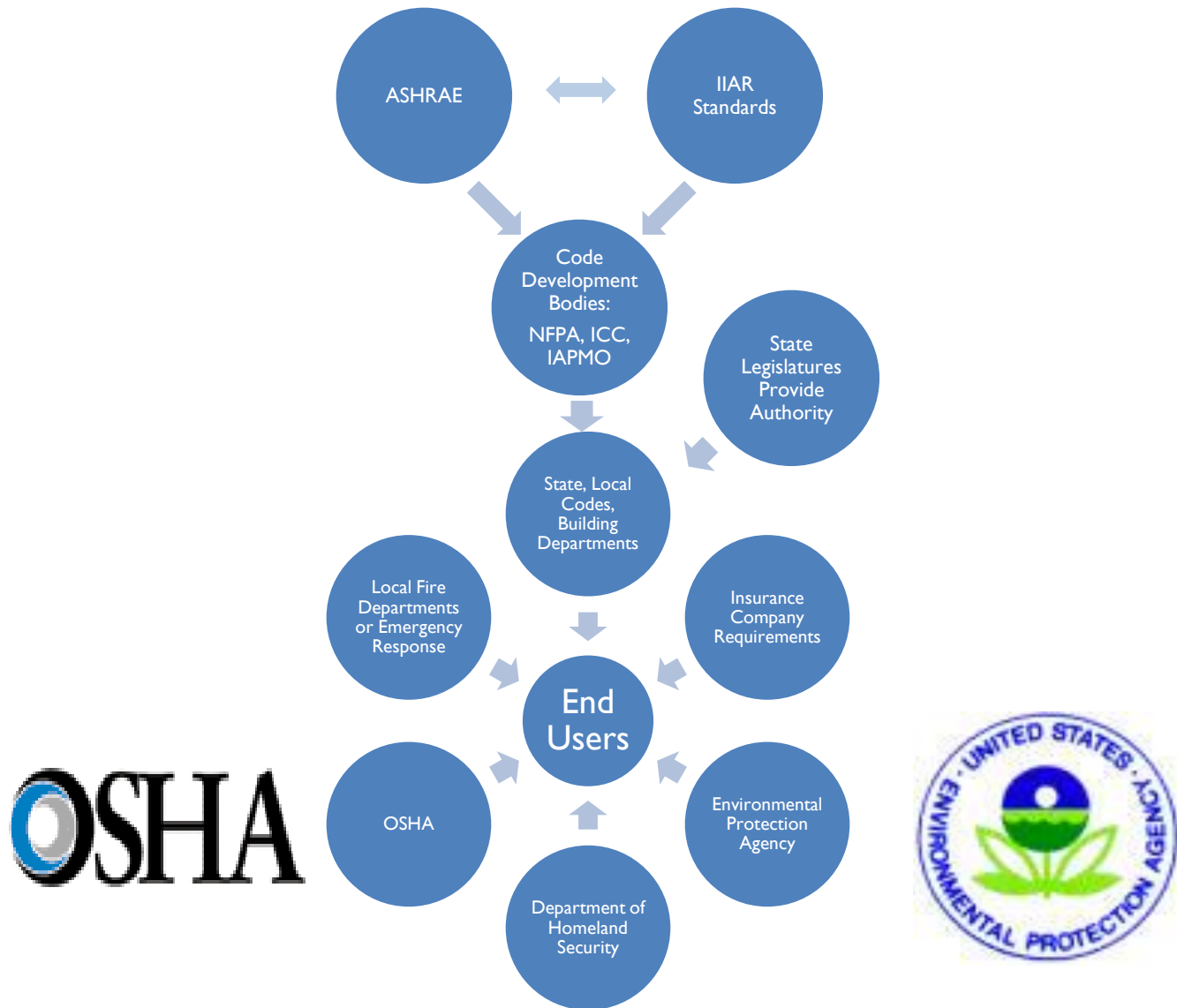
- IIAR Committees



American National Standards Institute (ANSI)

- An organization created for the development of all kinds of standards
- ANSI establishes the “rules” for standards development
- IIAR is an “Accredited ANSI Standards Developer”

Code Development Relationships



IIAR Standards - Why?

- “If we do not develop our standards, someone else will”
 - API standards often referenced by regulators
 - We are not a “chemical processing” industry
 - OSHA would use our guidance if it was complete
- Why Mechanical and Fire Code Submissions?
 - Need to make our industry safe
 - Acceptance by Code Bodies gives our Standards more “heft” and consequently more adherence.

Important Action

- IIAR Standard 2 – “Safe Design, Equipment and Installation of Closed Circuit Ammonia Refrigeration Systems”
- Will address applications beyond industrial occupancy: Commercial, Public Assembly, Large Mercantile
- Will address systems less than 6 lb charge
- Will address skid mount, and production based packaged equipment
- Will address equipment located in areas that are not machinery rooms
- Will specify “alarm and detection levels” depending on occupancy and risk