

# WHAT IS IIAR STANDARD 6?

ANSI/IIAR Standard 6-2019 establishes the minimum requirements for inspection, testing and maintenance (ITM) applicable to safe closed-circuit ammonia refrigeration systems.

IIAR 6 aids in identifying what components should be inspected, tested, and maintained and how frequently these tasks should be performed. This standard is intended to be incorporated as part of a Mechanical Integrity (MI) Program as recognized and generally accepted good engineering practices (RAGAGEP). It can be used to perform a gap analysis for minimum requirements of an owner's existing ITM tasks as well as provide the minimum requirements for ITM record keeping responsibilities.



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  - Document management tools
  - Preventative maintenance documentation
  - Digitized forms
  - QR-Code compatibility for easy equipment tracking
  - Intuitive tracking and scheduling tools

# WHAT DO YOU NEED TO KNOW ABOUT IIAR 6?



## GAP ANALYSIS

All facilities should be prepared to defend the basis (RAGAGEP) for each mechanical integrity (MI) task and task frequency in your maintenance program. Due to the importance of this standard, a gap analysis of existing ITM tasks against what is contained in IIAR 6 should be performed and the MI program adjusted accordingly.

## DOCUMENTATION COMPLIANCE

To comply with IIAR 6, it is probable that the forms you are currently using to document MI tasks may require modification to align with the requirements of IIAR 6.

## TASK FREQUENCY

Where a history of deficiencies has been recorded, the (ITM) task frequencies shall be increased. Where a history of fault-free operation has been recorded, the (ITM) task frequencies may be decreased. In either case, a determined change in a (ITM) task frequency and its technical justification shall be documented.

## QUALIFIED INSPECTIONS

Equipment inspections shall be performed by a qualified inspector that is experienced with closed-circuit ammonia refrigeration systems, has knowledge of the process and has demonstrated proficiency and understanding to perform inspections.

## RECORD KEEPING

There are minimum requirements for ITM Program record keeping. This includes—refrigeration flow diagrams, defined operating limits, safety system functional description, relief valve list with manufacturer model number and set pressure, ventilation system functional description, Installation Operation and Maintenance manuals, manufacturer data reports for all vessels, and equipment lists. The new standard also lays out the minimum retention period for refrigeration system records.



**SOPs should be reviewed and updated annually.**

**Stellar is your single SOP solution for the entire lifetime of your equipment.** We help you establish proper documentation and a long-term training regimen for your team. Our methods ensure strict adherence to existing and future standards from all regulating programs and agencies.



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