

# ENGINEERING EXCELLENCE: ASHRAE GUIDELINE 36



## YOUR GUIDE TO THE NEW GUIDELINE

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ASHRAE Guideline 36 is designed to be a standardized approach for optimizing the energy performance and efficiency of HVAC systems - emphasizing the importance of the sequence of operation and control strategies to enhance energy efficiency and operation within buildings.

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# ASHRAE GUIDELINE 36: WHAT IT IS ALL ABOUT

ASHRAE Guideline 36 offers a streamlined sequence of operations for common HVAC systems, making implementation simple and efficient. This guideline ensures that Building Automation System (BAS) integrators accurately follow the engineer's design intent, delivering buildings that perform as intended.

By clearly prescribing operations, ASHRAE Guideline 36 eliminates ambiguity, leaving no room for misinterpretation by installing contractors. Emphasizing resilient systems and strict adherence to control sequences, this guideline enhances overall building performance, ensuring a reliable and effective HVAC solution for end users.

Here's how ASHRAE Guideline 36 assists you in delivering a high-quality, efficient, and reliable HVAC system:



1. **Standardized Framework:** This guideline offers a standardized sequence of operations for HVAC systems, streamlining design processes and reducing complexity. This structure enhances the consistency of system performance and ensures that buildings operate as intended, while complying with industry best practices.



2. **Efficiency in Design and Implementation:** ASHRAE Guideline 36 enables design engineers to utilize validated standard sequences, eliminating the need to create new sequences from scratch. This approach significantly reduces engineering time, allows for faster project completion, and enhances overall timelines by leveraging established sequences rather than reinventing the wheel.



3. **Clarity and Precision:** The guideline provides clear operational prescriptions that help eliminate ambiguity in system implementation. This clarity ensures that engineering intentions are accurately executed by Building Automation System (BAS) integrators, minimizing the risk of miscommunication and errors during installation.



4. **Enhanced System Performance:** ASHRAE Guideline 36 focuses on resilient systems and proper sequences of control, contributing to enhanced operational performance and energy efficiency. This is essential for consulting engineers as it supports their goal of providing sustainable, durable HVAC solutions that fulfill immediate needs while promoting long-term energy savings and environmental responsibility.





5. **Compliance and Quality Assurance:** By adhering to ASHRAE Guideline 36, consulting engineers can ensure compliance with established industry standards, which may be necessary for project approvals or certifications. It acts as a quality assurance mechanism, enhancing the credibility of their designs and recommendations.



6. **Client Satisfaction:** A building that functions as intended, with optimal HVAC performance, leads to satisfied clients who are less likely to experience operational inefficiencies or issues down the line.



7. **Future-Proofing Designs:** ASHRAE Guideline 36 is rooted in industry research and is often updated to reflect emerging technologies and practices. By following this guideline, consulting engineers can future-proof their designs, ensuring they remain relevant and effective in a changing landscape of building technologies.

## WE'RE HERE TO HELP.

Contact us to learn how our alignment with ASHRAE Guideline 36 supports your goals of delivering a high-quality, efficient, and reliable HVAC systems.

Get in touch with one of our Alerton building control experts today:

<https://hwll.co/y15ar4d8>.



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AL-BR-ASHRAE Guideline 36 | 01-00469 | 2025-03-31  
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