

DOCKETED

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Acceptance Test Requirements – NA7.5.3 Air Distribution Systems Acceptance

Change last sentence in the "Instrumentation" section to read:

“Duct leakage tests must be verified by a third party HERS rater who has been certified by a HERS provider that has been approved by the California Energy Commission or a certified Mechanical Acceptance Test Technician.”

Proposed change is based on the fact that NEMIC ATTCP-certified Mechanical Acceptance Test Technicians (MATT) are trained in duct leakage testing. NEMIC ATTCP-certified MATTs must be certified by the Testing, Adjusting and Balancing Bureau (TABB) as a prerequisite. TABB certification is based on a job task analysis which in its first (A) domain states:

Domain A. Perform Duct Leak Testing

- A-1 Review specifications to determine leak test requirements
- A-2 Determine sections for testing (e.g., risers, loops)
- A-3 Determine duct test pressure
- A-4 Identify leak class and seal type
- A-5 Determine allowable leak rate
- A-6 Inspect and verify system readiness, including test pressure at two locations
- A-7 Assemble and connect test apparatus
- A-8 Achieve and maintain design test pressure
- A-9 Measure orifice differential pressure
- A-10 Determine actual leak rate
- A-11 Calculate surface area or volume of test section
- A-12 Prepare the test report

Duct leakage testing is part of the TABB certification knowledge base (see Section 11 of the current ICB Certification Manual available online at <https://www.icbcertified.org/site/downloads/details.php?id=46>).

Furthermore, the CEC-approved MATT curriculum trains MATT candidates in how to conduct a duct leakage test according to NRC section NA7.5.3 Air Distribution Systems Acceptance.