MAKING ENVIRONMENTS SAFER

for people in schools, hospitals and commercial buildings nationwide.

NATIONAL ENERGY MANAGEMENT INSTITUTE

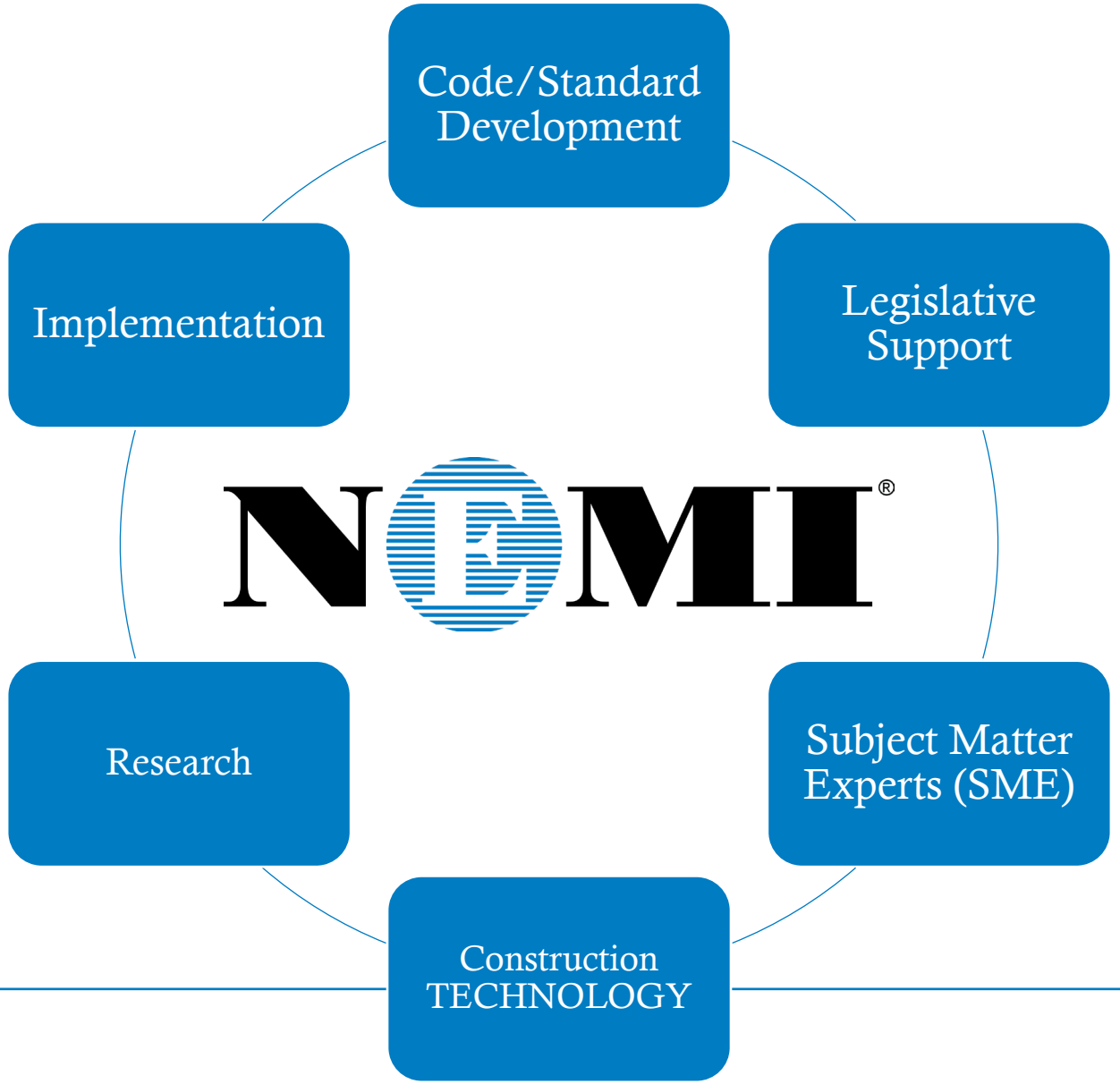
SMACNA

MISSION STATEMENT & SCOPE

National Energy Management Institute (NEMI) exists to make buildings safe and keep them healthy, while improving energy efficiency

WHAT WE DO:

- **Define** Market Opportunities
- **Participate** in Developing Codes and Standards
- **Develop** Industry Recognized Certifications
- **Provide** Resources to Support Implementation



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INTERNATIONAL CERTIFICATION BOARD

- Testing, Adjusting & Balancing
- Fire & Smoke Damper
- Smoke Control Systems
- Ventilation Verification for Indoor Air Quality
- Mechanical Acceptance Testing (for the California Energy Commission Title 24 Regulation)
- & More…

ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17024
PERSONNEL CERTIFICATION BODY

INTERNATIONAL CERTIFICATION BOARD

- TABB Certification Pathway:
  - TABB Technician Written is Live!
  - NEW TABB Technician Practical Tasks
  - NEW TABB Lab Requirements
  - Supervisor Written Exam is live!

INTERNATIONAL CERTIFICATION BOARD

INTERNATIONAL CERTIFICATION BOARD

Labs to date!

- 6 Labs have been authorized as ICB testing labs under new criteria.
  - Local 104 Fairfield, Local 66 Everett, Local 88 Las Vegas, Local 36 St. Louis, Local 10 Metro, and Local 105 LA
  - 18 Judges and 17 Proctors have gone through respective training
- 2 Labs more scheduled and 11 more Labs working towards meeting minimum criteria

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INTERNATIONAL CERTIFICATION BOARD

New Certified TABB Technicians totaling 55.

Average scoring for TABB Technician on written exam is 86% and 70% on performance exam.

New TABB Supervisors totaling16

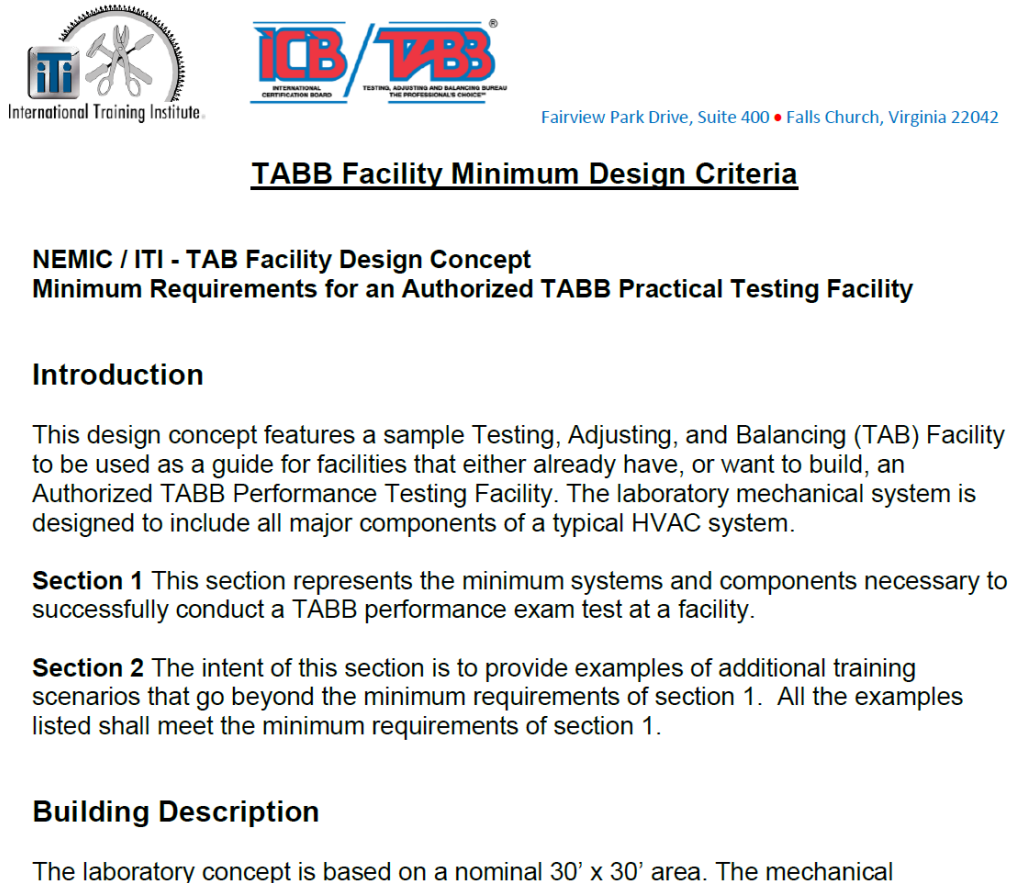
Average Scoring 57%

TABB FACILITY MINIMUM DESIGN CRITERIA

ICB & ITI worked to create design criteria document, which includes:

- Min criteria for testing
- Additional features for training

Contact us for a copy and a follow-up with ideas!



International Training Institute

ICB/TABB

Fairview Park Drive, Suite 400 • Falls Church, Virginia 22042

TABB Facility Minimum Design Criteria

NEMIC / ITI - TAB Facility Design Concept
Minimum Requirements for an Authorized TABB Practical Testing Facility

Introduction

This design concept features a sample Testing, Adjusting, and Balancing (TAB) Facility to be used as a guide for facilities that either already have, or want to build, an Authorized TABB Performance Testing Facility. The laboratory mechanical system is designed to include all major components of a typical HVAC system.

Section 1 This section represents the minimum systems and components necessary to successfully conduct a TABB performance exam test at a facility.

Section 2 The intent of this section is to provide examples of additional training scenarios that go beyond the minimum requirements of section 1. All the examples listed shall meet the minimum requirements of section 1.

Building Description

The laboratory concept is based on a nominal 30' x 30' area. The mechanical

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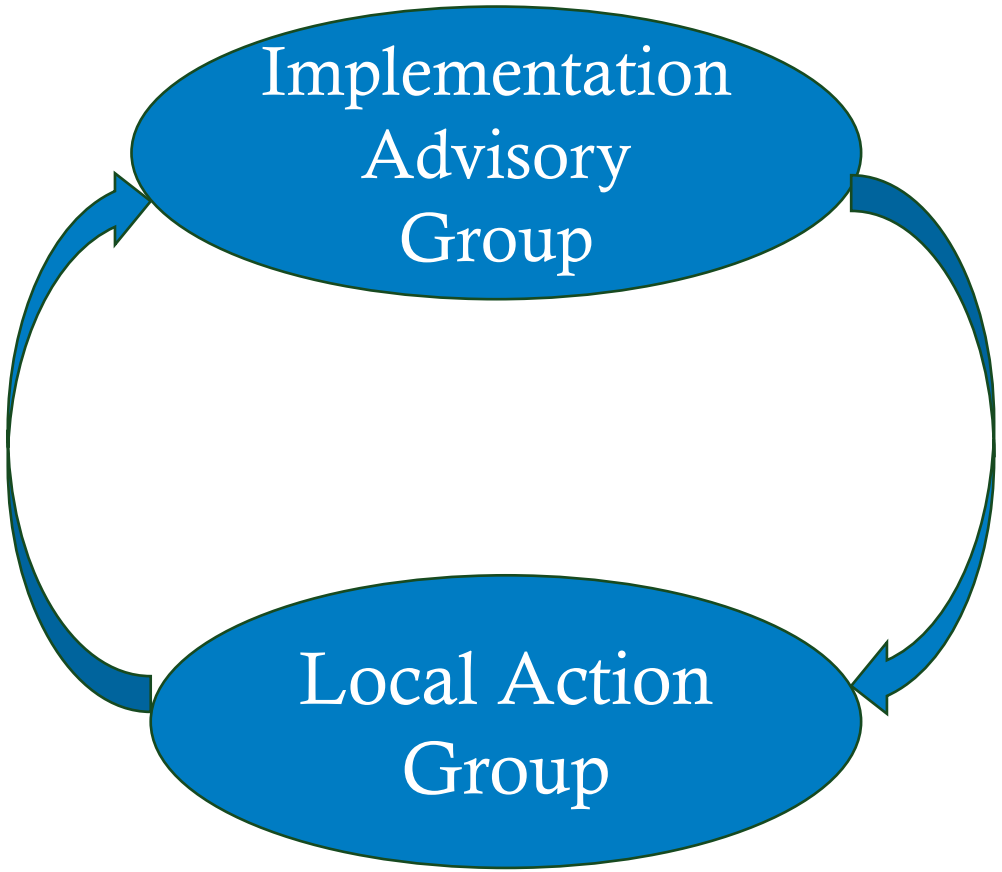
Implementation, Education & Awareness Meetings

Creating an Implementation Advisory Group

- Things to consider when forming the group:
  - Market Opportunity
  - Agenda
  - Develop a strategic plan!
  - Point Person (Critical)
  - Requesting Regional/ Local Participation
  - Conducting meetings
  - Action Items



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CODES & STANDARDS

- IAPMO Uniform Mechanical Code:
- Added ISO 17024, SMACNA Standards
- Strengthened Workforce Standards
- ASHRAE:

  TC 1.4 Control Theory, TC 5.2 Duct Design, TC 7.7 Testing & Balancing, TC 9.6 Healthcare Facilities, TC 9.7 Educational Facilities, SSPC 62.1 IAQ, SSPC 90.1 Energy Standard

CODES & STANDARDS

- ICC International Code Council:
- SMACNA HVAC Systems Testing, Adjusting & Balancing, 4th Edition proposed for inclusion in the 2028 Mechanical code
- Florida Building Code – Energy Conservation: Modification to add TABB-certified Technician to the air system balancing requirements section

PASSED LEGISLATION – 2025

- Newly passed VA HB 2618 - ALL schools must conduct an air quality survey at least once every 4 years. *Bill becomes effective on July 1st of 2025.

Measurements that will be verified are:

- Filter Efficiency
- Condition and Operation of System Components
- Filter, Coil, & Fan Static Pressures
- Verification of System Maintenance
- Outside Air Rate
- OA/SA/RA Measurements
- Verification of CO2 Sensors and Measurements
- Data collection if No Mechanical Ventilation Exists

OTHER LEGISLATIVE & POLICY EFFORTS – 2025

- Kansas Administrative Regulations – Fire Smoke Damper Inspection Draft legislation developed for Local 2
- Arizona – 2 Separate Bills
  - HB 2263: Fire Life Safety. Requires counties and cities to adopt a fire code and inspect fire and smoke dampers consistently with that code.
  - HB 2341: Fire Life Safety. Authorizes fire prevention codes adopted by a city or town and making the local authority responsible for inspections.
- Oregon – HB 2547: Requires regular inspections of fire safety systems in public buildings by building owners using trained, qualified inspectors who have received training in a registered apprenticeship program.

Resources to Support Implementation

NEMI Website Resources

- Methods of Procedure (MOP)
- Sample Test Sheets
- Educational videos
- Research Papers
- Online Training
- Mega Project Resources

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STAKEHOLDER AWARENESS TRAINING & RESOURCE PROMOTION

- Fire Marshals & Fire Departments
- Inspectors
- Engineers
- Legislators

NEMI can help share and create materials and other resources based on proven best practices

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INDUSTRY PARTNERSHIPS

- Evergreen Telemetry:
  - 20% Discount on TABB and IAQ Kits for ICB-Certified Contractors
  - 2-day Calibration Guarantee
- Testo Instrumentation:
  - 40% Discount on TABB and IAQ Kits for ICB-Certified Contractors

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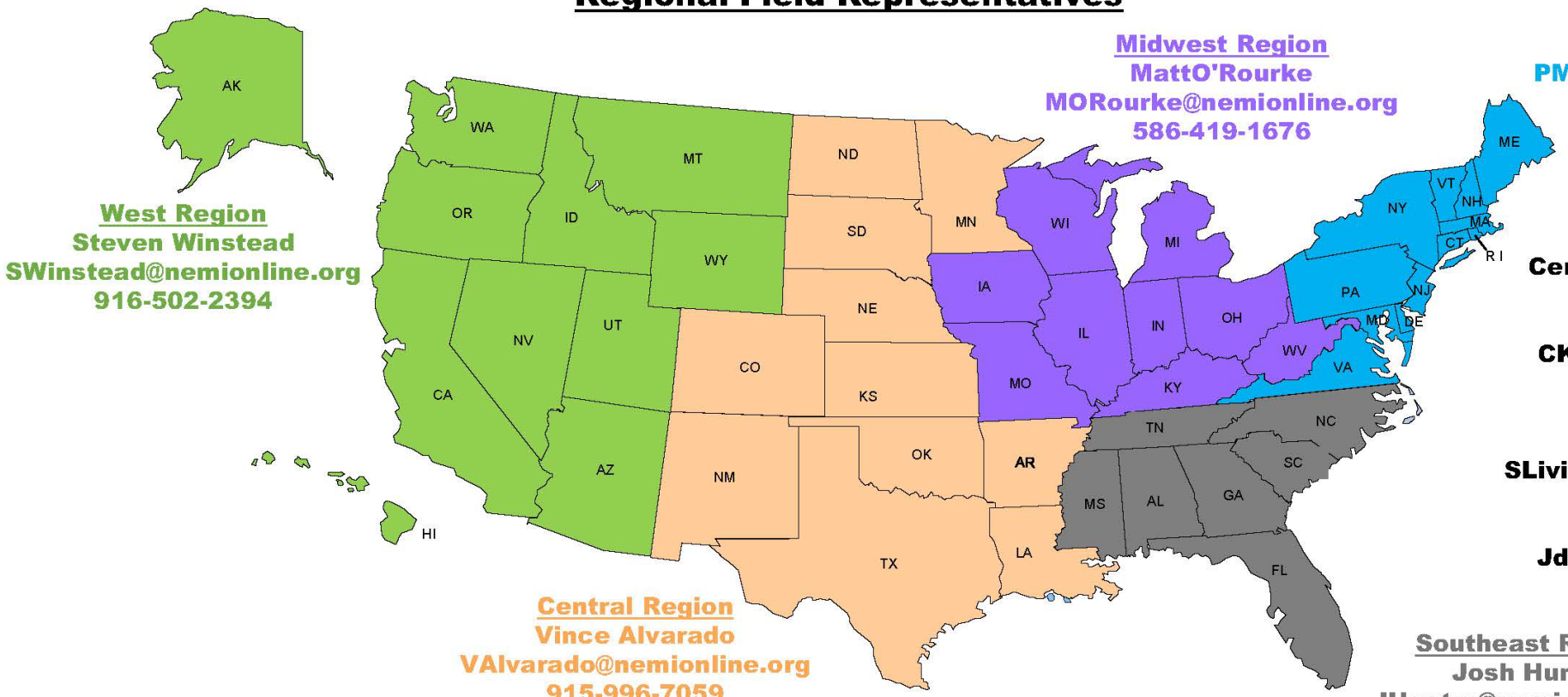
Executive Director
ITI/NEMI/SMOHIT
Mike Harris
MHarris@sheetmetal-iti.org
703-409-7160

NATIONAL ENERGY MANAGEMENT INSTITUTE

NEMI Administrator
Craig Reehten
CReehten@nemionline.org
618-593-2665

Regional Field Representatives



West Region
Steven Winstead
SWinstead@nemionline.org
916-502-2394

Midwest Region
MattO'Rourke
MORourke@nemionline.org
586-419-1676

Northeast Region
Phil Montuori
PMontuori@nemionline.org
516-574-9685

ICB/TABB
Certification Information:

Cassandra Kline
CKline@icbcertified.org
419-388-5933

Sheila Livingston
SLivingston@icbcertified.org

Joel Dema
Jdema@icbcertified.org

Central Region
Vince Alvarado
VAlvarado@nemionline.org
915-996-7059

Southeast Region
Josh Hunter
JHunter@nemionline.org
205-529-3404

Program Administrator
Joe Pickens
JPickens@nemionline.org
540-394-0152

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SMART

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INTERNATIONAL CERTIFICATION BOARD

CONFERENCE 2025

ADJUSTING FOR EXCELLENCE

June 9-12

Albuquerque, NM

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ICB® INTERNATIONAL CERTIFICATION BOARD

TABB® TESTING, ADJUSTING AND BALANCING BUREAU "THE PROFESSIONAL'S CHOICE"

NATIONAL ENERGY MANAGEMENT INSTITUTE

CRAIG REEHTEN

Fund Administrator

National Energy Management Institute/International Certification Board

618.593.2665

creehten@nemionline.org

Scan this QR code to add my contact card to your phone.

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