



## Indoor Air Quality Supervisor Class & Exam

*Why IAQ?  
U.S. Indoor  
Air Quality  
Market and  
Trends to  
Reach  
\$10.4 Billion  
by 2011!*

\$10.4 billion??? This staggering amount is being reported by Report Buyer, the online destination for business intelligence for major industry sectors. The report, "U.S. Indoor Air Quality Market and Trends", is available online from ReportBuyer.com. The findings in this 189 page report include:

IAQ equipment was valued at \$3.6 billion in 2005 and is expected to reach \$10.4 billion by 2011, a 5.2% average annual growth rate (AAGR) over the next five years!

Consulting and testing services were valued at 1.5 billion in 2005 and should

reach \$2.7 billion by 2011 based on a 10% AAGR over the coming years.

Environmental services, including mold remediation, asbestos abatement, and radon mitigation, were valued at \$1.6 billion in 2005 and, based on a 9.5% AAGR, should reach \$2.9 billion by 2011.

The commercial segment was the largest market for IAQ equipment and services, accounting for 25% of the market in 2005, followed by schools (22%), residences (19%), and health care facilities.

## Indoor Air Quality Certification

Indoor air quality (IAQ) describes the condition of air inside a building. The condition of air is a combination of the chemical, biological, and particulate matter in the air and the air temperature and humidity. IAQ is important because the condition of air affects the comfort and health of people in a building. That means IAQ can affect people's productivity and well being. If the condition of the air is unacceptable, complaints and even law suits can result. HVAC systems are a key part in determining the condition of indoor air.

A TABB Certified IAQ Supervisor is expected to be knowledgeable and capable in the Core Proficiency Requirements outlined in the Indoor Air Quality Certification Manual. Each candidate seeking IAQ Supervisor Certification is also expected to have additional proficiency requirements for all areas for which the Supervisor will have oversight responsibilities.

*Certified.  
Professional.  
Opportunity.*

National Energy  
Management Institute

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## TABB SUPERVISOR

This class focuses on the skills and knowledge needed to be a TABB Certified Supervisor. The TABB Certified Supervisor's project goal should be that contract obligations, as set forth in the drawings and specifications, would be fulfilled to the highest level of quality. A TABB Certified Supervisor should work directly with the testing, adjusting and balancing technicians on the project. The TABB Certified Supervisor ensures the use of balance procedures that impose minimum restrictions on the HVAC systems.

## COMMISSIONING

NEMI was first involved in commissioning with the development of their Building Commissioning Task Force which funded a study on the effects of commissioning and retro commissioning. The findings were astounding. Billions of dollars will be spent in the coming years to make buildings operate at their peak efficiency with little or no air problems. Building commissioning professionals will be needed in increasing numbers in the years to come to fill the needs of this section of the industry. Learn what it takes to grow in this emerging market.

## SOUND & VIBRATION

Complete knowledge of an HVAC system is essential for sound and vibration work. When the air handler comes on in a building, it should run smoothly and with little noise. However, some "kick in" with vibrations and a loud rolling noise. These noises and vibrations can occur when sound travels along ductwork from the air handler to mixing boxes in the ceiling. The sound and vibration professional is essential in creating a solution to this problem using techniques of measurement and analysis. Sound and Vibration (S&V) professionals are the eyes and ears on a construction project. S/he is a vital member of the environmental technology test team.

## NSF BIO SAFETY CABINETS

Bio-safety cabinets are the primary means of containment developed for the purpose of working safely with infectious microorganisms. This program is designed to provide workers with appropriate protection when proper standards are applied.

## TAB 40 HOUR

Testing and Balancing is an ever-growing field within the sheet metal industry. TAB technicians test existing air and hydronic systems to ensure they are operating as they were designed. After the technician tests the system it is then his/her job to adjust or balance, the system to ensure the proper amount of air or water is being delivered to the proper space. TABB recognizes that an ITI Certified TAB Technician is a competent, reliable, and qualified professional who is able to perform, without on-the-job supervision, testing, adjusting and balancing of air and hydronic building environmental systems to produce the design objectives.

## IAQ

Technicians and Supervisors have a big role in IAQ, probably bigger than you think. Your initial reaction might be that you really can't do that much about IAQ. You might think the science is too complicated and the occupants want people with professional credentials. In some ways that is true. You will need to know the limits of your role in IAQ. But the other side of the coin is that you are often the only person who looks inside HVAC systems and ducts, mechanical rooms, crawl spaces, outdoor air intakes, and basements. That makes you the only person likely to find something that might be causing an IAQ problem.

## HVAC FIRE LIFE SAFETY

The management of fire and smoke has served as the underpinnings of building codes in the United States for over 100 years. Nearly all buildings intended for human occupancy are required by today's building codes to be designed with an assurance that, over the life of the building, occupants will be reasonably safe from fire and smoke. Professionals, who properly install, inspect and maintain the dampers, make an important contribution to the execution of the fire protection design and overall building performance in the event of a fire.

**YES! SIGN ME UP! FAX 703.683.7615**

COMPLETE & RETURN FORM. YOU WILL THEN BE GIVEN INSTRUCTIONS TO COMPLETE YOUR APPLICATION.

Name	
Address	
City, ST Zip	
Phone	
Email	



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www.tabbcertified.org

### TAB 40 Hour Class

- Oklahoma City OK, Feb 18-23
- Omaha NE, Jun 16-21
- Las Vegas NV, Sep 8-13
- Sanford Florida, Nov 10-15

### Commissioning Class

- Milwaukee WI, Feb 16
- Las Vegas NV, Sep 25
- New York NY, Nov 19

### IAQ Technician Class

- Indianapolis IN, Apr 29-30
- Las Vegas NV, Sep 15-16
- Minneapolis MN, Oct 16-17

### HVAC Fire Life Safety Supervisor Class

- TBD

### HVAC Fire Life Safety Level 2 Technician Class

- San Jose CA, TBD
- Hartford CT, TBD
- Cleveland OH, TBD
- Indianapolis IN, TBD

### TABB Supervisor Class

- Milwaukee WI, Feb 11-13
- Los Angeles CA, May 11-13
- Las Vegas NV, Sep 22-24
- Minneapolis MN, Oct 13-15

### Sound & Vibration Class

- Milwaukee WI, Feb 14-15
- Los Angeles CA, May 14-15
- Las Vegas NV, Sep 19-20
- New York NY, Nov 17-18

### IAQ Supervisor Class

- Indianapolis IN, Apr 28-29
- Los Angeles CA, May 14-15
- Las Vegas NV, Sep 17-18

### HVAC Fire Life Safety Level 1 Technician Class

- Hartford CT, Apr 14-15
- Indianapolis IN, May 1-2
- Los Angeles CA, May 14-15
- Cleveland OH, Aug 12-13
- Indianapolis IN, Oct 29-30

### NSF Bio Safety Cabinets Class

- TBD