

# AMCA NSW Course in the Installation and Certification of Fire and Smoke Dampers

## OVERVIEW

The NSW EP&A Act (1979) and Regulations 2000, requires certification by a suitably qualified person of Essential Fire Safety Measures, prior to occupation, as well as on an ongoing basis. This course will provide a candidate with the knowledge of Acts, Standards and Regulations to be able to assist in the essential fire safety measures certification process.

- How do you know the new fire/smoke dampers in your current projects are being correctly installed?
- How do you know that the existing fire/smoke dampers being assessed annually in your projects will stand up to scrutiny?
- Are you aware of your liability if current or future certification scrutiny discovers installation defects?

The AMCA NSW Course in the Installation and Certification of Fire and Smoke Dampers is an industry respected course for people involved in Certification, Supervision, Installation and Annual Assessment of Fire and Smoke Dampers.

## COURSE OUTCOMES

Successful candidates in this course will have demonstrated knowledge in the application of building regulations and Australian Standards relevant to the installation and certification of fire and smoke dampers in new, existing and refurbished buildings.

Candidates are required to:

- Study the Training Program content
- Complete a pre-course assignment (to be submitted on the day of the course)
- Attend the one day course
- Complete an exam on the day of the course

## PREQUISITES

Previous experience in the installation, supervision of installation or certification of fire and smoke dampers with at least one of the below as a minimum:

- 3 years supervised installation of ventilation ductwork involving fire and smoke damper installations in multi-compartment buildings;
- 3 years of supervised work which includes operation checking, maintenance and certifying fire and smoke damper installations;
- 3 years as a site supervisor or site manager of ventilation ductwork involving fire and smoke damper installations in multi-compartment buildings - at least 2 years must have been supervised work;
- 5 years as a consultant's site supervisor of ventilation ductwork involving fire and smoke dampers installations in multi-compartment buildings - at least 2 years must have been supervised work.

## PRE-COURSE PROCEDURE

Four weeks before the course date, the Candidates will be sent the Training Program manual, including the compulsory assignment.

Prior to attending the course, Candidates are required to:

- Study the Training Program content (necessary to pass the course exam)
- Be familiar with the regulatory documents and Australian Standards included in the program
- Complete a pre-course assignment (to be submitted at the course).

PLEASE NOTE: While a cooperative exchange of information is encouraged, the assignment **must be** the **individual work of the candidate**. Where a question regarding the authenticity of the work arises, the examiners will contact the candidate and their employer to discuss. The candidate is **required to sign** a 'Non-Collusion Agreement' confirming that the assignment is original work by the candidate.

## COURSE CONTENT

### FUNDAMENTALS

- Fire compartments and separation
- Protection of openings and fire resistance levels for protection of occupants from fire and smoke
- Where to find the information you need and what information you require

### REGULATIONS AND STANDARDS

- The NSW EP&A Act and Regulations 2000 requires 'deemed to satisfy' requirements of the BCA, AS1668.1, AS1682.1 &2, as well as AS4072.1-2005. This course will provide an explanation of where the regulations require openings (and shafts) to be appropriately protected, to what degree and to what performance levels.

### HARDWARE

- What are fire dampers?
- What are smoke dampers?
- What are air dampers?
- What are sub-ducts?
- What types of these devices are currently available?
- How do these devices work? What is their performance?
- How are these devices originally tested and approved for use? What conditions apply?

### INSTALLATION

- What are the requirements and conditions of installation?
- What details must the installer require of the designer/builder?
- What is an acceptable installation?
- What about the associated building works?
- What evidence needs to be retained by the installer for the works?
- What instructions and baseline data are required to be passed on

### CERTIFICATION

- What are the regulatory certification requirements?
- Who can certify and on what basis?
- What are the consequences of getting it wrong?

### MAINTENANCE

- What are the requirements of maintenance?
- What is an acceptable level of maintenance?

### EXAMINATION

- A supervised exam will be held on the afternoon of the course. It is open book, comprising multiple choice and short answer questions.

## CERTIFICATE

- Candidates who pass receive a Statement of Completion for the AMCA NSW Course in the Installation and Certification of Fire and Smoke Dampers.
- This certificate is valid for 5 years from course date.
- Candidates shall be given a pass/fail result based on the following:
  - 70% pass rate for the assignment;
  - 70% pass rate for the examination
- The assignment and examination covers installation and servicing techniques as well as regulatory requirements.
  - Candidates who service but don't install shall still be required to be competent on installation requirements.
  - Candidates who install but don't service shall still be required to be competent on servicing requirements.

## COURSE DETAILS

- AMCA Members \$700 (incl gst)
- Non-Members \$1500 (incl gst)
- Full Day 8.30am – 4.30pm (incl exam in the afternoon)
- Address NHP Building, 30-34 Day Street North, Silverwater 2128
- Parking Off street parking is available on the premises. Drive in and park at the back of car park.
- Instructions Walk to the front entrance of the NHP building and proceed to reception.  
Advise the receptionist that you are attending a course upstairs and sign-in.
- Tea and coffee Complimentary in the room
- Lunch Provide your own - there is a cafeteria nearby.

## CANCELLATION POLICY

- A refund will be given if the AMCA is notified in writing a minimum of 5 business days prior to the course commencement date.
- The AMCA reserves the right to cancel, postpone or reschedule training courses due to insufficient registrations or other reasons beyond their control. In the event that the AMCA cancels any course, a full refund will be given.

## REGISTERING FOR THE COURSE

Please contact Marie Meachen via: -

Email: [adminnsw@amca.com.au](mailto:adminnsw@amca.com.au)  
[marie.meachen@amca.com.au](mailto:marie.meachen@amca.com.au)

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